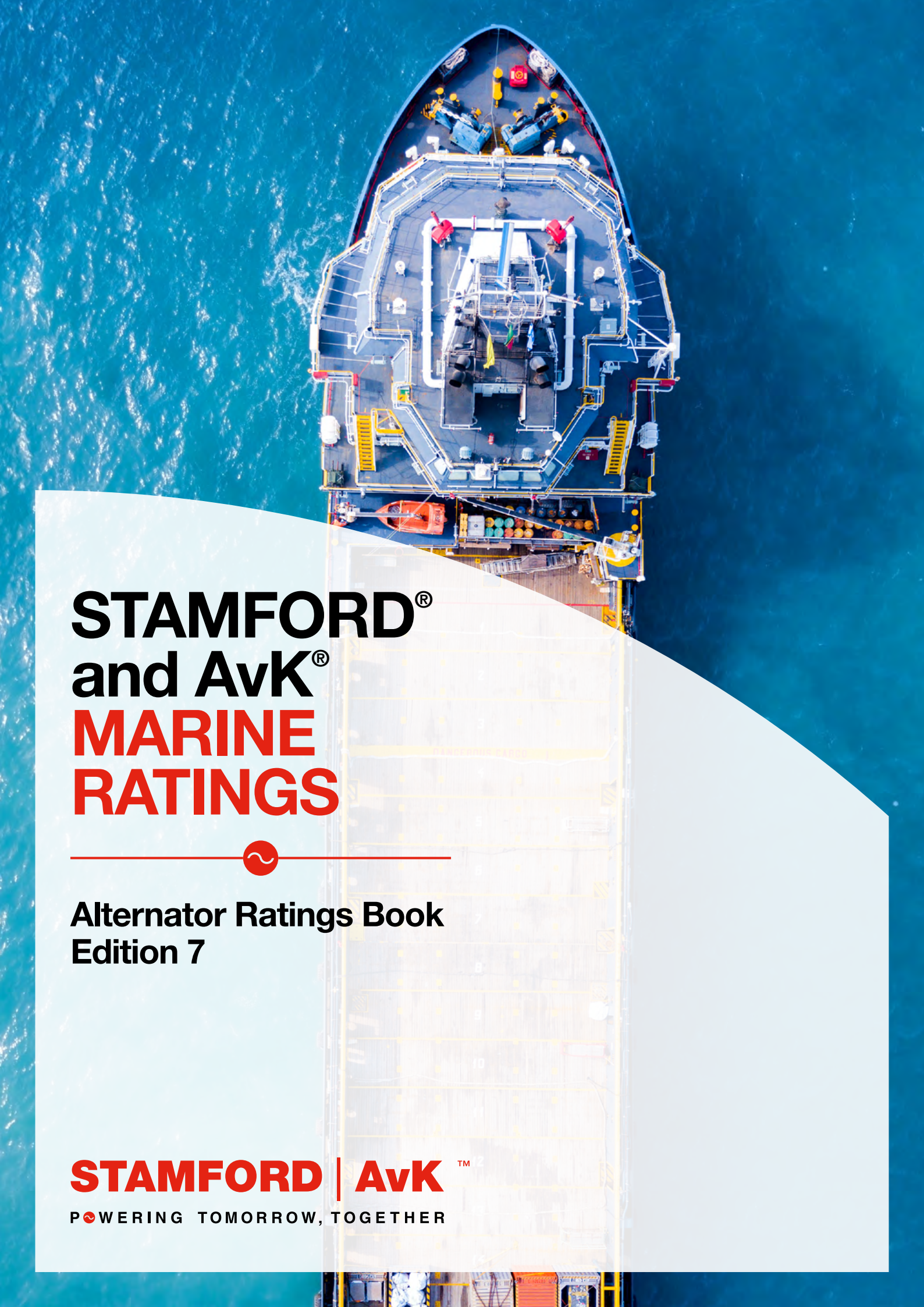




# STAMFORD<sup>®</sup> and AvK<sup>®</sup> **MARINE RATINGS**



**Alternator Ratings Book  
Edition 7**

**STAMFORD | AvK<sup>TM</sup>**

**POWERING TOMORROW, TOGETHER**



## Introduction



### Rating Definitions

All ratings are based on Rise by Resistance measurement method. Ratings based on Embedded Temperature Device (ETD) measurement may be provided under application. Open drip-proof enclosure protection according to IP23 is standard. Optional air inlet/outlet filters as well as higher IP protection modes can be supplied for certain models.

#### Thermal Insulation Class

Insulation class governs the maximum permissible temperature an alternator can operate without damaging the insulation system. Cummins Generator Technologies use Class H insulation for Marine alternators.

| Insulation Class | Maximum Permissible Temperature |
|------------------|---------------------------------|
| Class H          | 180 °C                          |

#### Temperature Rise

Temperature rise is the increase in temperature above ambient temperature.

| Temperature Rise | Temperature °C |
|------------------|----------------|
| Class B          | 70 °C          |
| Class F          | 90 °C          |
| Class H          | 110 °C         |

### Marine Societies

All our manufacturing plants have witness test facilities, enabling marine classification society inspection and test. With some Marine Societies we have type approval - which avoids the need for marine inspectors to inspect every marine alternator that we manufacture, thus reducing marine inspection costs and witness testing charges for our customers. Type approval also means we can reduce our lead times.

STAMFORD and AvK alternators meet the classification requirements of major marine societies.

Details on conformance to requirements of societies and international marine safety standards can be obtained from our sales offices.



# Introduction



## Derates

### Ambient Temperature

If the ambient (alternator air inlet temperature) exceeds 50 °C then the alternator output rating must be reduced using the following table.

### STAMFORD and AvK A-Range

| Temperature Rise | Temperature Rise °F | Multiplying Factor |
|------------------|---------------------|--------------------|
| 55               | 131                 | 0.97               |
| 60               | 140                 | 0.94               |





# Introduction



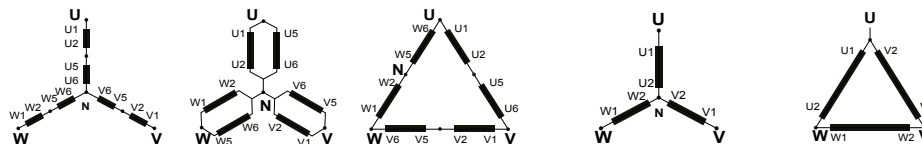
## NOTICE

Additional parts may be required to achieve reconections

## CAUTION

Misconnections can result in permanent machine damage.  
Refer to machine wiring diagram for specific details

Windings for STAMFORD alternators may be selected to give voltages at different connections as this table.



|      | WINDING<br>NUMBER<br>(3PHASE) | EXIT<br>LEADS | SERIES<br>STAR<br>(PHASE-3) | PARALLEL<br>STAR<br>(PHASE-3) | SERIES<br>DELTA<br>(PHASE-3) | STAR<br>(PHASE-3) | DELTA<br>(PHASE-3) |
|------|-------------------------------|---------------|-----------------------------|-------------------------------|------------------------------|-------------------|--------------------|
| 50Hz | 5                             | 4             |                             |                               |                              |                   |                    |
|      | 25                            | 12            | 660-690                     | 330-345                       | 380-400                      |                   |                    |
|      | 26                            | 6             |                             |                               |                              | 660-690           | 380-400            |
|      | 311                           | 12            | 380-440                     | 190-220                       | 220-254                      |                   |                    |
|      | 312                           | 6             |                             |                               |                              | 380-440           | 220-254            |
| 60Hz | 6                             | 4             |                             |                               |                              |                   |                    |
|      | 7                             | 6             |                             |                               |                              | 600               | 346                |
|      | 13                            | 6             |                             |                               |                              | 380-416           | 220-240            |
|      | 14                            | 12            | 380-416                     | 190-208                       | 220-240                      |                   |                    |
|      | 17                            | 12            | 600                         | 300                           | 346                          |                   |                    |
|      | 27                            | 12            | 660-690                     | 330-345                       | 380-400                      |                   |                    |
|      | 28                            | 6             |                             |                               |                              | 660-690           | 380-400            |
|      | 311                           | 12            | 416-480                     | 208-240                       | 240-277                      |                   |                    |
|      | 312                           | 6             |                             |                               |                              | 416-480           | 240-277            |



## Introduction



## Useful Formulas

| TO OBTAIN                                                                  | Single Phase AC power                                    | Three Phase AC power                                                     |
|----------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------|
| kilowatts electrical<br>(kW)                                               | $\frac{\text{Volts} \times \text{Amps} \times PF}{1000}$ | $\frac{\text{Volts} \times \text{Amps} \times PF \times \sqrt{3}}{1000}$ |
| kilowatts electrical<br>(kW)                                               | $kVA \times PF$                                          | $kVA \times PF$                                                          |
| kilowatts mechanical<br>(kWm)                                              | $\frac{kVA \times PF}{\text{Alternator Efficiency}}$     | $\frac{kVA \times PF}{\text{Alternator Efficiency}}$                     |
| kVA                                                                        | $\frac{\text{Volts} \times \text{Amps}}{1000}$           | $\frac{\text{Volts} \times \text{Amps} \times \sqrt{3}}{1000}$           |
| Amps                                                                       | $\frac{kVA \times 1000}{\text{Volts}}$                   | $\frac{kVA \times 1000}{\text{Volts} \times \sqrt{3}}$                   |
| Speed (rpm)                                                                | $\frac{120 \times \text{Frequency}}{\# \text{ Poles}}$   | $\frac{120 \times \text{Frequency}}{\# \text{ Poles}}$                   |
| % Voltage regulation<br>(for Steady- Loads, from No-<br>Load to Full-Load) | $\frac{V_{NL} - V_{FL}}{V_{FL}} \times 100$              | $\frac{V_{NL} - V_{FL}}{V_{FL}} \times 100$                              |
| Horsepower required to<br>drive alternator                                 | $\frac{kW}{0.746 \times \text{Alternator Efficiency}}$   | $\frac{kW}{0.746 \times \text{Alternator Efficiency}}$                   |
| First cycle RMS short<br>circuit current ( $\pm 10\%$ )                    | $\frac{\text{Rated Amperes}}{puX''d}$                    | $\frac{\text{Rated Amperes}}{puX''d}$                                    |

- “PF” refers to power factor, which is expressed as a decimal fraction. For example, 80% power factor = 0.8 for the purposes of calculations.
- # Poles refers to number of Poles
- “Volts” refers to line-to-line voltage.
- “Amps” refers to line current in amperes.
- “pu” refers to per unit



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#### 60Hz 1800rpm

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## AvK®



### 6 POLE Three Phase

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## 4 POLE Three Phase



Star\* 380V  
 Parallel Star\* 190V  
 Delta\* 220V

50Hz/1500rpm  
 0.8 Power Factor

1 of 2

| Winding<br>711/311/312/12 | TEMPERATURE RISE                           |       |                         |       |                         |       |                                            |       |                                            |       |                         |       |
|---------------------------|--------------------------------------------|-------|-------------------------|-------|-------------------------|-------|--------------------------------------------|-------|--------------------------------------------|-------|-------------------------|-------|
|                           | 50 °C Ambient                              |       |                         |       |                         |       | 45 °C Ambient                              |       |                                            |       |                         |       |
|                           | Continuous<br>110/50 (H)                   |       | Continuous<br>90/50 (F) |       | Continuous<br>70/50 (B) |       | Continuous<br>110/45 (H)                   |       | Continuous<br>90/45 (F)                    |       | Continuous<br>70/45 (B) |       |
| Model                     | kVA                                        | kW    | kVA                     | kW    | kVA                     | kW    | kVA                                        | kW    | kVA                                        | kW    | kVA                     | kW    |
| S0L2M-F                   | Please contact<br>applications@cummins.com |       |                         |       |                         |       | Please contact<br>applications@cummins.com |       |                                            |       |                         |       |
| S0L2M-G                   |                                            |       |                         |       |                         |       |                                            |       |                                            |       |                         |       |
| S0L2M-M                   |                                            |       |                         |       |                         |       |                                            |       |                                            |       |                         |       |
| S0L2M-P                   |                                            |       |                         |       |                         |       |                                            |       |                                            |       |                         |       |
| S1L2M-J                   |                                            |       |                         |       |                         |       |                                            |       |                                            |       |                         |       |
| S1L2M-K                   |                                            |       |                         |       |                         |       |                                            |       |                                            |       |                         |       |
| S1L2M-N                   |                                            |       |                         |       |                         |       |                                            |       |                                            |       |                         |       |
| S1L2M-R                   |                                            |       |                         |       |                         |       |                                            |       |                                            |       |                         |       |
| S1L2M-Y                   |                                            |       |                         |       |                         |       |                                            |       |                                            |       |                         |       |
| UCM224C                   | 38.0                                       | 30.4  | 35.0                    | 28.0  | 31.0                    | 24.8  | 39.1                                       | 31.2  | 36.1                                       | 28.8  | 31.9                    | 25.5  |
| UCM224D                   | 44.0                                       | 35.2  | 40.0                    | 32.0  | 37.5                    | 30.0  | 45.3                                       | 36.2  | 41.2                                       | 32.9  | 38.6                    | 30.8  |
| UCM224E                   | 52.3                                       | 41.8  | 47.5                    | 38.0  | 42.0                    | 33.6  | 53.9                                       | 43.1  | 48.9                                       | 39.1  | 43.4                    | 34.7  |
| UCM224F                   | 63.3                                       | 50.6  | 57.5                    | 46.0  | 50.0                    | 40.0  | 65.2                                       | 52.1  | 59.2                                       | 47.3  | 51.5                    | 41.2  |
| UCM224G                   | 71.5                                       | 57.2  | 65.0                    | 52.0  | 60.0                    | 48.0  | 73.6                                       | 58.8  | 67.0                                       | 53.6  | 61.8                    | 49.4  |
| UCM274C                   | 81.5                                       | 65.2  | 77.5                    | 62.0  | 67.5                    | 54.0  | 83.9                                       | 67.1  | 79.8                                       | 63.8  | 69.5                    | 55.6  |
| UCM274D                   | 97.0                                       | 77.6  | 87.5                    | 70.0  | 81.3                    | 65.0  | 99.9                                       | 79.9  | 90.1                                       | 72.0  | 83.7                    | 66.9  |
| UCM274E                   | 120.0                                      | 96.0  | 112.5                   | 90.0  | 100.0                   | 80.0  | 123.6                                      | 98.8  | 115.9                                      | 92.7  | 103.0                   | 82.4  |
| UCM274F                   | 140.0                                      | 112.0 | 135.0                   | 108.0 | 112.5                   | 90.0  | 144.2                                      | 115.3 | 139.1                                      | 111.2 | 115.9                   | 92.7  |
| UCM274G                   | 159.0                                      | 127.2 | 149.0                   | 119.2 | 128.6                   | 102.8 | 163.8                                      | 131.0 | 153.5                                      | 122.8 | 132.5                   | 106.0 |
| UCM274H                   | 175.0                                      | 140.0 | 170.0                   | 136.0 | 143.8                   | 115.0 | 180.3                                      | 144.2 | 175.1                                      | 140.0 | 148.1                   | 118.4 |
| UCDM274K                  | 195.0                                      | 156.0 | 195.0                   | 156.0 | CC                      |       | 197.5                                      | 158.0 | 197.5                                      | 158.0 | CC                      |       |
| S4L1M-C                   | 215.0                                      | 172.0 | 210.0                   | 168.0 | 185.0                   | 148.0 | 221.0                                      | 176.8 | 216.0                                      | 172.8 | 191.0                   | 152.8 |
| S4L1M-D                   | 240.0                                      | 192.0 | 230.0                   | 184.0 | 200.0                   | 160.0 | 247.0                                      | 197.6 | 237.0                                      | 189.6 | 206.0                   | 164.8 |
| S4L1M-E                   | 295.0                                      | 236.0 | 275.0                   | 220.0 | 240.0                   | 192.0 | 304.0                                      | 243.2 | 283.0                                      | 226.4 | 247.0                   | 197.6 |
| S4L1M-F                   | 340.0                                      | 272.0 | 310.0                   | 248.0 | 275.0                   | 220.0 | 350.0                                      | 280.0 | 319.0                                      | 255.2 | 283.0                   | 226.4 |
| HCM534C                   | 390.0                                      | 312.0 | 365.0                   | 292.0 | 320.0                   | 256.0 | 402.0                                      | 321.6 | Please contact<br>applications@cummins.com |       |                         |       |
| HCM534D                   | 435.0                                      | 348.0 | 405.0                   | 324.0 | 355.0                   | 284.0 | 448.1                                      | 358.4 |                                            |       |                         |       |
| HCM534E                   | 530.0                                      | 424.0 | 475.0                   | 380.0 | 415.0                   | 332.0 | 546.0                                      | 436.8 |                                            |       |                         |       |
| HCM534F                   | 565.0                                      | 452.0 | 505.0                   | 404.0 | 440.0                   | 352.0 | 582.0                                      | 465.6 |                                            |       |                         |       |
| S5L1M-C                   | 390.0                                      | 312.0 | 365.0                   | 292.0 | 320.0                   | 256.0 | 402.0                                      | 321.6 | 376.0                                      | 300.8 | 329.6                   | 263.6 |
| S5L1M-D                   | 435.0                                      | 348.0 | 405.0                   | 324.0 | 355.0                   | 284.0 | 448.1                                      | 358.4 | 417.2                                      | 333.7 | 365.7                   | 292.5 |
| S5L1M-E                   | 530.0                                      | 424.0 | 475.0                   | 380.0 | 415.0                   | 332.0 | 546.0                                      | 436.8 | 489.3                                      | 391.4 | 427.5                   | 342.0 |
| S5L1M-F                   | 565.0                                      | 452.0 | 505.0                   | 404.0 | 440.0                   | 352.0 | 582.0                                      | 465.6 | 520.2                                      | 416.1 | 453.2                   | 362.5 |
| S6L1M-C                   | 630.0                                      | 504.0 | 630.0                   | 504.0 | 530.0                   | 424.0 | Please contact applications@cummins.com    |       |                                            |       |                         |       |



## 4 POLE Three Phase



Star\* 380V  
 Parallel Star\* 190V  
 Delta\* 220V

50Hz/1500rpm  
 0.8 Power Factor

2 of 2

| Winding<br>711/311/312/12 | TEMPERATURE RISE         |        |                         |        |                         |        |                                            |        |                         |        |                         |        |
|---------------------------|--------------------------|--------|-------------------------|--------|-------------------------|--------|--------------------------------------------|--------|-------------------------|--------|-------------------------|--------|
|                           | 50 °C Ambient            |        |                         |        |                         |        | 45 °C Ambient                              |        |                         |        |                         |        |
|                           | Continuous<br>110/50 (H) |        | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |        | Continuous<br>110/45 (H)                   |        | Continuous<br>90/45 (F) |        | Continuous<br>70/45 (B) |        |
| Model                     | kVA                      | kW     | kVA                     | kW     | kVA                     | kW     | kVA                                        | kW     | kVA                     | kW     | kVA                     | kW     |
| S6L1M-D                   | 765.0                    | 612.0  | 700.0                   | 560.0  | 638.0                   | 510.4  | Please contact<br>applications@cummins.com |        |                         |        |                         |        |
| S6L1M-E                   | 830.0                    | 664.0  | 810.0                   | 648.0  | 735.0                   | 588.0  |                                            |        |                         |        |                         |        |
| S6L1M-F                   | 930.0                    | 744.0  | 900.0                   | 720.0  | 790.0                   | 632.0  |                                            |        |                         |        |                         |        |
| S6L1M-H                   | 1040.0                   | 832.0  | 955.0                   | 764.0  | 955.0                   | 764.0  |                                            |        |                         |        |                         |        |
| S7L1M-C 1                 | 1316.0                   | 1052.8 | 1180.0                  | 944.0  | 1085.0                  | 868.0  | 1316.0                                     | 1052.8 | 1215.0                  | 972.0  | 1118.0                  | 894.4  |
| S7L1M-D W.1               | 1425.0                   | 1140.0 | 1255.0                  | 1004.0 | 1150.0                  | 920.0  | 1468.0                                     | 1174.4 | 1293.0                  | 1034.4 | 1185.0                  | 948.0  |
| S7L1M-E W.1               | 1500.0                   | 1200.0 | 1320.0                  | 1056.0 | 1240.0                  | 992.0  | 1545.0                                     | 1236.0 | 1360.0                  | 1088.0 | 1277.0                  | 1021.6 |
| S7L1M-F W.1               | 1625.0                   | 1300.0 | 1365.0                  | 1092.0 | 1325.0                  | 1060.0 | 1674.0                                     | 1339.2 | 1406.0                  | 1124.8 | 1365.0                  | 1092.0 |
| S7L1M-G 1                 | 1780.0                   | 1424.0 | 1500.0                  | 1200.0 | 1450.0                  | 1160.0 | 1833.0                                     | 1466.4 | 1545.0                  | 1236.0 | 1494.0                  | 1195.2 |
| S7L1M-H 1                 | 1880.0                   | 1504.0 | 1740.0                  | 1392.0 | 1535.0                  | 1228.0 | 1936.0                                     | 1548.8 | 1792.0                  | 1433.6 | 1581.0                  | 1264.8 |
| S7L1M-J W.1               | 2135.0                   | 1708.0 | 1928.0                  | 1542.4 | 1638.0                  | 1310.4 | 2199.0                                     | 1759.2 | 1986.0                  | 1588.8 | 1687.0                  | 1349.6 |
| S7L1M-K W.1               | 2500.0                   | 2000.0 | 2250.0                  | 1800.0 | 2000.0                  | 1600.0 | Please contact applications@cummins.com    |        |                         |        |                         |        |
| P80 LVSM804R 1            | 2015.0                   | 1612.0 | 1832.0                  | 1465.6 | 1569.0                  | 1255.2 | 2076.0                                     | 1660.8 | 1887.0                  | 1509.6 | 1616.0                  | 1292.8 |
| P80 LVSM804S 1            | 2332.0                   | 1865.6 | 2120.0                  | 1696.0 | 1815.0                  | 1452.0 | 2402.0                                     | 1921.6 | 2184.0                  | 1747.2 | 1870.0                  | 1496.0 |
| P80 LVSM804T 1            | 2548.0                   | 2038.4 | 2316.0                  | 1852.8 | 1983.0                  | 1586.4 | 2624.0                                     | 2099.2 | 2386.0                  | 1908.8 | 2043.0                  | 1634.4 |
| P80 LVSM804W 1            | 2970.0                   | 2376.0 | 2700.0                  | 2160.0 | 2312.0                  | 1849.6 | 3059.0                                     | 2447.2 | 2781.0                  | 2224.8 | 2381.0                  | 1904.8 |
| P80 LVSM804X 1            | 3269.0                   | 2615.2 | 2972.0                  | 2377.6 | 2545.0                  | 2036.0 | 3367.0                                     | 2693.6 | 3061.0                  | 2448.8 | 2621.0                  | 2096.8 |

1 - Star connection only

\* - Connection is applicable to winding 711/311 only

W - Water-cooled version available (S7L1W): 50°C ambient temperature ratings apply to an inlet water temperature of 38°C, 45°C ambient temperature ratings apply to an inlet water temperature of 33°C

CC - Please contact applications@cummins.com



## 4 POLE Three Phase



Star\* 400V  
 Parallel Star\* 200V  
 Delta\* 230V

50Hz/1500rpm  
 0.8 Power Factor

1 of 2

| Winding<br>711/311/312/12 | TEMPERATURE RISE                           |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
|---------------------------|--------------------------------------------|-------|-------------------------|-------|-------------------------|-------|--------------------------------------------|-------|-------------------------|-------|-------------------------|-------|
|                           | 50 °C Ambient                              |       |                         |       |                         |       | 45 °C Ambient                              |       |                         |       |                         |       |
|                           | Continuous<br>110/50 (H)                   |       | Continuous<br>90/50 (F) |       | Continuous<br>70/50 (B) |       | Continuous<br>110/45 (H)                   |       | Continuous<br>90/45 (F) |       | Continuous<br>70/45 (B) |       |
| Model                     | kVA                                        | kW    | kVA                     | kW    | kVA                     | kW    | kVA                                        | kW    | kVA                     | kW    | kVA                     | kW    |
| S0L2M-F                   | Please contact<br>applications@cummins.com |       |                         |       |                         |       | Please contact<br>applications@cummins.com |       |                         |       |                         |       |
| S0L2M-G                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S0L2M-M                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S0L2M-P                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-J                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-K                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-N                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-R                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-Y                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| UCM224C                   | 38.0                                       | 30.4  | 35.0                    | 28.0  | 31.0                    | 24.8  | 39.1                                       | 31.2  | 36.1                    | 28.8  | 31.9                    | 25.5  |
| UCM224D                   | 44.0                                       | 35.2  | 40.0                    | 32.0  | 37.5                    | 30.0  | 45.3                                       | 36.2  | 41.2                    | 32.9  | 38.6                    | 30.8  |
| UCM224E                   | 52.3                                       | 41.8  | 47.5                    | 38.0  | 42.0                    | 33.6  | 53.9                                       | 43.1  | 48.9                    | 39.1  | 43.3                    | 34.6  |
| UCM224F                   | 63.3                                       | 50.6  | 57.5                    | 46.0  | 50.0                    | 40.0  | 65.2                                       | 52.1  | 59.2                    | 47.3  | 51.5                    | 41.2  |
| UCM224G                   | 71.5                                       | 57.2  | 65.0                    | 52.0  | 60.0                    | 48.0  | 73.6                                       | 58.8  | 67.0                    | 53.6  | 61.8                    | 49.4  |
| UCM274C                   | 81.5                                       | 65.2  | 77.5                    | 62.0  | 67.5                    | 54.0  | 83.9                                       | 67.1  | 79.8                    | 63.8  | 69.5                    | 55.6  |
| UCM274D                   | 97.0                                       | 77.6  | 87.5                    | 70.0  | 81.3                    | 65.0  | 99.9                                       | 79.9  | 90.1                    | 72.0  | 83.7                    | 66.9  |
| UCM274E                   | 120.0                                      | 96.0  | 112.5                   | 90.0  | 100.0                   | 80.0  | 123.6                                      | 98.8  | 115.9                   | 92.7  | 103.0                   | 82.4  |
| UCM274F                   | 140.0                                      | 112.0 | 135.0                   | 108.0 | 112.5                   | 90.0  | 144.2                                      | 115.3 | 139.1                   | 111.2 | 115.9                   | 92.7  |
| UCM274G                   | 159.0                                      | 127.2 | 149.0                   | 119.2 | 128.6                   | 102.8 | 163.8                                      | 131.0 | 153.5                   | 122.8 | 132.5                   | 106.0 |
| UCM274H                   | 175.0                                      | 140.0 | 170.0                   | 136.0 | 143.8                   | 115.0 | 180.3                                      | 144.2 | 175.1                   | 140.0 | 148.1                   | 118.4 |
| UCDM274K                  | 205.0                                      | 164.0 | 205.0                   | 164.0 | 169.0                   | 135.2 | 207.8                                      | 166.2 | CC                      |       | 174.1                   | 139.3 |
| S4L1M-C                   | 215.0                                      | 172.0 | 210.0                   | 168.0 | 185.0                   | 148.0 | 221.0                                      | 176.8 | 216.0                   | 172.8 | 191.0                   | 152.8 |
| S4L1M-D                   | 240.0                                      | 192.0 | 230.0                   | 184.0 | 200.0                   | 160.0 | 247.0                                      | 197.6 | 237.0                   | 189.6 | 206.0                   | 164.8 |
| S4L1M-E                   | 295.0                                      | 236.0 | 275.0                   | 220.0 | 240.0                   | 192.0 | 304.0                                      | 243.2 | 283.0                   | 226.4 | 247.0                   | 197.6 |
| S4L1M-F                   | 340.0                                      | 272.0 | 310.0                   | 248.0 | 275.0                   | 220.0 | 350.0                                      | 280.0 | 319.0                   | 255.2 | 283.0                   | 226.4 |
| HCM534C                   | 390.0                                      | 312.0 | 370.0                   | 296.0 | 325.0                   | 260.0 | 402.0                                      | 321.6 | 381.0                   | 304.8 | 335.0                   | 268.0 |
| HCM534D                   | 435.0                                      | 348.0 | 415.0                   | 332.0 | 365.0                   | 292.0 | 448.0                                      | 358.4 | 427.0                   | 341.6 | 376.0                   | 300.8 |
| HCM534E                   | 530.0                                      | 424.0 | 490.0                   | 392.0 | 430.0                   | 344.0 | 546.0                                      | 436.8 | 505.0                   | 404.0 | 443.0                   | 354.4 |
| HCM534F                   | 585.0                                      | 468.0 | 525.0                   | 420.0 | 460.0                   | 368.0 | 603.0                                      | 482.4 | 541.0                   | 432.8 | 474.0                   | 379.2 |
| S5L1M-C                   | 390.0                                      | 312.0 | 370.0                   | 296.0 | 325.0                   | 260.0 | 402.0                                      | 321.6 | 381.1                   | 304.8 | 335.0                   | 268.0 |
| S5L1M-D                   | 435.0                                      | 348.0 | 415.0                   | 332.0 | 365.0                   | 292.0 | 448.1                                      | 358.4 | 427.5                   | 342.0 | 376.0                   | 300.8 |
| S5L1M-E                   | 530.0                                      | 424.0 | 490.0                   | 392.0 | 430.0                   | 344.0 | 546.0                                      | 436.8 | 505.0                   | 404.0 | 443.0                   | 354.4 |
| S5L1M-F                   | 585.0                                      | 468.0 | 525.0                   | 420.0 | 460.0                   | 368.0 | 603.0                                      | 482.4 | 541.0                   | 432.8 | 474.0                   | 379.2 |
| S6L1M-C                   | 650.0                                      | 520.0 | 650.0                   | 520.0 | 550.0                   | 440.0 | Please contact applications@cummins.com    |       |                         |       |                         |       |



## 4 POLE Three Phase



Star\* 400V

Parallel Star\* 200V

Delta\* 230V

50Hz/1500rpm

0.8 Power Factor

2 of 2

| Winding<br>711/311/312/12 | TEMPERATURE RISE         |        |                         |        |                         |        |                                            |        |                         |        |                         |        |
|---------------------------|--------------------------|--------|-------------------------|--------|-------------------------|--------|--------------------------------------------|--------|-------------------------|--------|-------------------------|--------|
|                           | 50 °C Ambient            |        |                         |        |                         |        | 45 °C Ambient                              |        |                         |        |                         |        |
|                           | Continuous<br>110/50 (H) |        | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |        | Continuous<br>110/45 (H)                   |        | Continuous<br>90/45 (F) |        | Continuous<br>70/45 (B) |        |
| Model                     | kVA                      | kW     | kVA                     | kW     | kVA                     | kW     | kVA                                        | kW     | kVA                     | kW     | kVA                     | kW     |
| S6L1M-D                   | 785.0                    | 628.0  | 720.0                   | 576.0  | 656.0                   | 524.8  | Please contact<br>applications@cummins.com |        |                         |        |                         |        |
| S6L1M-E                   | 850.0                    | 680.0  | 830.0                   | 664.0  | 750.0                   | 600.0  |                                            |        |                         |        |                         |        |
| S6L1M-F                   | 950.0                    | 760.0  | 920.0                   | 736.0  | 800.0                   | 640.0  |                                            |        |                         |        |                         |        |
| S6L1M-H                   | 1100.0                   | 880.0  | 1005.0                  | 804.0  | 1005.0                  | 804.0  |                                            |        |                         |        |                         |        |
| S7L1M-C 1                 | 1365.0                   | 1092.0 | 1240.0                  | 992.0  | 1115.0                  | 892.0  | 1406.0                                     | 1124.8 | 1277.0                  | 1021.6 | 1148.0                  | 918.4  |
| S7L1M-D W.1               | 1455.0                   | 1164.0 | 1320.0                  | 1056.0 | 1190.0                  | 952.0  | 1499.0                                     | 1199.2 | 1360.0                  | 1088.0 | 1226.0                  | 980.8  |
| S7L1M-E W.1               | 1540.0                   | 1232.0 | 1370.0                  | 1096.0 | 1280.0                  | 1024.0 | 1586.0                                     | 1268.8 | 1411.0                  | 1128.8 | 1318.0                  | 1054.4 |
| S7L1M-F W.1               | 1675.0                   | 1340.0 | 1435.0                  | 1148.0 | 1370.0                  | 1096.0 | 1725.0                                     | 1380.0 | 1478.0                  | 1182.4 | 1411.0                  | 1128.8 |
| S7L1M-G 1                 | 1830.0                   | 1464.0 | 1580.0                  | 1264.0 | 1495.0                  | 1196.0 | 1885.0                                     | 1508.0 | 1627.0                  | 1301.6 | 1540.0                  | 1232.0 |
| S7L1M-H 1                 | 1980.0                   | 1584.0 | 1795.0                  | 1436.0 | 1585.0                  | 1268.0 | 2039.0                                     | 1631.2 | 1849.0                  | 1479.2 | 1633.0                  | 1306.4 |
| S7L1M-J W.1               | 2200.0                   | 1760.0 | 1980.0                  | 1584.0 | 1680.0                  | 1344.0 | 2266.0                                     | 1812.8 | 2039.0                  | 1631.2 | 1730.0                  | 1384.0 |
| S7L1M-K W.1               | 2500.0                   | 2000.0 | 2250.0                  | 1800.0 | 2000.0                  | 1600.0 | Please contact applications@cummins.com    |        |                         |        |                         |        |
| P80 LVSM804R 1            | 2121.0                   | 1696.8 | 1928.0                  | 1542.4 | 1651.0                  | 1320.8 | 2185.0                                     | 1748.0 | 1986.0                  | 1588.8 | 1701.0                  | 1360.8 |
| P80 LVSM804S 1            | 2455.0                   | 1964.0 | 2232.0                  | 1785.6 | 1911.0                  | 1528.8 | 2529.0                                     | 2023.2 | 2299.0                  | 1839.2 | 1968.0                  | 1574.4 |
| P80 LVSM804T 1            | 2684.0                   | 2147.2 | 2440.0                  | 1952.0 | 2089.0                  | 1671.2 | 2765.0                                     | 2212.0 | 2513.0                  | 2010.4 | 2152.0                  | 1721.6 |
| P80 LVSM804W 1            | 3128.0                   | 2502.4 | 2844.0                  | 2275.2 | 2435.0                  | 1948.0 | 3222.0                                     | 2577.6 | 2929.0                  | 2343.2 | 2408.0                  | 1926.4 |
| P80 LVSM804X 1            | 3442.0                   | 2753.6 | 3129.0                  | 2503.2 | 2679.0                  | 2143.2 | 3545.0                                     | 2836.0 | 3223.0                  | 2578.4 | 2759.0                  | 2207.2 |

1 - Star connection only

\* - Connection is applicable to winding 711/311 only

W - Water-cooled version available (S7L1W): 50°C ambient temperature ratings apply to an inlet water temperature of 38°C, 45°C ambient temperature ratings apply to an inlet water temperature of 33°C

CC - Please contact applications@cummins.com



## 4 POLE Three Phase



Star\* 415V  
 Parallel Star\* 208V  
 Delta\* 240V

50Hz/1500rpm  
 0.8 Power Factor

1 of 2

| Winding<br>711/311/312/12 | TEMPERATURE RISE                           |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
|---------------------------|--------------------------------------------|-------|-------------------------|-------|-------------------------|-------|--------------------------------------------|-------|-------------------------|-------|-------------------------|-------|
|                           | 50 °C Ambient                              |       |                         |       |                         |       | 45 °C Ambient                              |       |                         |       |                         |       |
|                           | Continuous<br>110/50 (H)                   |       | Continuous<br>90/50 (F) |       | Continuous<br>70/50 (B) |       | Continuous<br>110/45 (H)                   |       | Continuous<br>90/45 (F) |       | Continuous<br>70/45 (B) |       |
| Model                     | kVA                                        | kW    | kVA                     | kW    | kVA                     | kW    | kVA                                        | kW    | kVA                     | kW    | kVA                     | kW    |
| S0L2M-F                   | Please contact<br>applications@cummins.com |       |                         |       |                         |       | Please contact<br>applications@cummins.com |       |                         |       |                         |       |
| S0L2M-G                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S0L2M-M                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S0L2M-P                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-J                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-K                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-N                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-R                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-Y                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| UCM224C                   | 38.0                                       | 30.4  | 35.0                    | 28.0  | 31.0                    | 24.8  | 39.1                                       | 31.2  | 36.1                    | 28.8  | 31.9                    | 25.5  |
| UCM224D                   | 44.0                                       | 35.2  | 40.0                    | 32.0  | 37.5                    | 30.0  | 45.3                                       | 36.2  | 41.2                    | 32.9  | 38.6                    | 30.8  |
| UCM224E                   | 52.3                                       | 41.8  | 47.5                    | 38.0  | 42.0                    | 33.6  | 53.9                                       | 43.1  | 48.9                    | 39.1  | 43.3                    | 34.6  |
| UCM224F                   | 63.3                                       | 50.6  | 57.5                    | 46.0  | 50.0                    | 40.0  | 65.2                                       | 52.1  | 59.2                    | 47.3  | 51.5                    | 41.2  |
| UCM224G                   | 71.5                                       | 57.2  | 65.0                    | 52.0  | 60.0                    | 48.0  | 73.6                                       | 58.8  | 67.0                    | 53.6  | 61.8                    | 49.4  |
| UCM274C                   | 81.5                                       | 65.2  | 77.5                    | 62.0  | 67.5                    | 54.0  | 83.9                                       | 67.1  | 79.8                    | 63.8  | 69.5                    | 55.6  |
| UCM274D                   | 97.0                                       | 77.6  | 87.5                    | 70.0  | 81.3                    | 65.0  | 99.9                                       | 79.9  | 90.1                    | 72.0  | 83.7                    | 66.9  |
| UCM274E                   | 120.0                                      | 96.0  | 112.5                   | 90.0  | 100.0                   | 80.0  | 123.6                                      | 98.8  | 115.9                   | 92.7  | 103.0                   | 82.4  |
| UCM274F                   | 140.0                                      | 112.0 | 135.0                   | 108.0 | 112.5                   | 90.0  | 144.2                                      | 115.3 | 139.1                   | 111.2 | 115.9                   | 92.7  |
| UCM274G                   | 159.0                                      | 127.2 | 149.0                   | 119.2 | 128.6                   | 102.8 | 163.8                                      | 131.0 | 153.5                   | 122.8 | 132.5                   | 106.0 |
| UCM274H                   | 175.0                                      | 140.0 | 170.0                   | 136.0 | 143.8                   | 115.0 | 180.3                                      | 144.2 | 175.1                   | 140.0 | 148.1                   | 118.4 |
| UCDM274K                  | 213.0                                      | 170.4 | 200.0                   | 160.0 | 162.0                   | 129.6 | 215.6                                      | 172.4 | CC                      |       | 166.9                   | 133.5 |
| S4L1M-C                   | 215.0                                      | 172.0 | 210.0                   | 168.0 | 185.0                   | 148.0 | 221.0                                      | 176.8 | 216.0                   | 172.8 | 191.0                   | 152.8 |
| S4L1M-D                   | 240.0                                      | 192.0 | 230.0                   | 184.0 | 200.0                   | 160.0 | 247.0                                      | 197.6 | 237.0                   | 189.6 | 206.0                   | 164.8 |
| S4L1M-E                   | 295.0                                      | 236.0 | 275.0                   | 220.0 | 240.0                   | 192.0 | 304.0                                      | 243.2 | 283.0                   | 226.4 | 247.0                   | 197.6 |
| S4L1M-F                   | 340.0                                      | 272.0 | 310.0                   | 248.0 | 275.0                   | 220.0 | 350.0                                      | 280.0 | CC                      |       | 283.0                   | 226.4 |
| HCM534C                   | 390.0                                      | 312.0 | 380.0                   | 304.0 | 330.0                   | 264.0 | 402.0                                      | 321.6 | 391.0                   | 312.8 | 340.0                   | 272.0 |
| HCM534D                   | 435.0                                      | 348.0 | 430.0                   | 344.0 | 375.0                   | 300.0 | N/A                                        | N/A   | 443.0                   | 354.4 | 386.0                   | 308.8 |
| HCM534E                   | 530.0                                      | 424.0 | 505.0                   | 404.0 | 440.0                   | 352.0 | 546.0                                      | 436.8 | 520.0                   | 416.0 | 453.0                   | 362.4 |
| HCM534F                   | 600.0                                      | 480.0 | 540.0                   | 432.0 | 475.0                   | 380.0 | 618.0                                      | 494.4 | 556.0                   | 444.8 | 489.0                   | 391.2 |
| S5L1M-C                   | 390.0                                      | 312.0 | 380.0                   | 304.0 | 330.0                   | 264.0 | 402.0                                      | 321.6 | 391.4                   | 313.1 | 340.0                   | 272.0 |
| S5L1M-D                   | 435.0                                      | 348.0 | 430.0                   | 344.0 | 375.0                   | 300.0 | 448.1                                      | 358.4 | 443.0                   | 354.4 | 386.3                   | 309.0 |
| S5L1M-E                   | 530.0                                      | 424.0 | 505.0                   | 404.0 | 440.0                   | 352.0 | 546.0                                      | 436.8 | 520.2                   | 416.1 | 453.2                   | 362.5 |
| S5L1M-F                   | 600.0                                      | 480.0 | 540.0                   | 432.0 | 475.0                   | 380.0 | 618.0                                      | 494.4 | 556.2                   | 444.9 | 489.3                   | 391.4 |
| S6L1M-C                   | 675.0                                      | 540.0 | 675.0                   | 540.0 | 570.0                   | 456.0 | Please contact applications@cummins.com    |       |                         |       |                         |       |



## 4 POLE Three Phase



Star\* 415V  
 Parallel Star\* 208V  
 Delta\* 240V

50Hz/1500rpm  
 0.8 Power Factor

2 of 2

| Winding<br>711/311/312/12 |        | TEMPERATURE RISE         |        |                         |        |                         |                                            |                          |        |                         |        |                         |  |
|---------------------------|--------|--------------------------|--------|-------------------------|--------|-------------------------|--------------------------------------------|--------------------------|--------|-------------------------|--------|-------------------------|--|
|                           |        | 50 °C Ambient            |        |                         |        |                         |                                            | 45 °C Ambient            |        |                         |        |                         |  |
|                           |        | Continuous<br>110/50 (H) |        | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |                                            | Continuous<br>110/45 (H) |        | Continuous<br>90/45 (F) |        | Continuous<br>70/45 (B) |  |
| Model                     | kVA    | kW                       | kVA    | kW                      | kVA    | kW                      | kVA                                        | kW                       | kVA    | kW                      | kVA    | kW                      |  |
| S6L1M-D                   | 805.0  | 644.0                    | 740.0  | 592.0                   | 675.0  | 540.0                   | Please contact<br>applications@cummins.com |                          |        |                         |        |                         |  |
| S6L1M-E                   | 870.0  | 696.0                    | 850.0  | 680.0                   | 760.0  | 608.0                   |                                            |                          |        |                         |        |                         |  |
| S6L1M-F                   | 970.0  | 776.0                    | 940.0  | 752.0                   | 820.0  | 656.0                   |                                            |                          |        |                         |        |                         |  |
| S6L1M-H                   | 1125.0 | 900.0                    | 1040.0 | 832.0                   | 1010.0 | 808.0                   |                                            |                          |        |                         |        |                         |  |
| S7L1M-C 1                 | 1365.0 | 1092.0                   | 1265.0 | 1012.0                  | 1115.0 | 892.0                   | 1406.0                                     | 1124.8                   | 1303.0 | 1042.4                  | 1148.0 | 918.4                   |  |
| S7L1M-D W.1               | 1455.0 | 1164.0                   | 1345.0 | 1076.0                  | 1190.0 | 952.0                   | 1499.0                                     | 1199.2                   | 1385.0 | 1108.0                  | 1226.0 | 980.8                   |  |
| S7L1M-E W.1               | 1540.0 | 1232.0                   | 1370.0 | 1096.0                  | 1280.0 | 1024.0                  | 1586.0                                     | 1268.8                   | 1411.0 | 1128.8                  | 1318.0 | 1054.4                  |  |
| S7L1M-F W.1               | 1675.0 | 1340.0                   | 1490.0 | 1192.0                  | 1370.0 | 1096.0                  | 1725.0                                     | 1380.0                   | 1535.0 | 1228.0                  | 1411.0 | 1128.8                  |  |
| S7L1M-G 1                 | 1830.0 | 1464.0                   | 1640.0 | 1312.0                  | 1495.0 | 1196.0                  | 1885.0                                     | 1508.0                   | 1689.0 | 1351.2                  | 1540.0 | 1232.0                  |  |
| S7L1M-H 1                 | 1980.0 | 1584.0                   | 1795.0 | 1436.0                  | 1585.0 | 1268.0                  | 2039.0                                     | 1631.2                   | 1849.0 | 1479.2                  | 1633.0 | 1306.4                  |  |
| S7L1M-J W.1               | 2200.0 | 1760.0                   | 1980.0 | 1584.0                  | 1680.0 | 1344.0                  | 2266.0                                     | 1812.8                   | 2039.0 | 1631.2                  | 1730.0 | 1384.0                  |  |
| S7L1M-K W.1               | 2400.0 | 1920.0                   | 2150.0 | 1720.0                  | 1900.0 | 1520.0                  | Please contact applications@cummins.com    |                          |        |                         |        |                         |  |
| P80 LVSM804R 1            | 2121.0 | 1696.8                   | 1928.0 | 1542.4                  | 1651.0 | 1320.8                  | 2185.0                                     | 1748.0                   | 1986.0 | 1588.8                  | 1701.0 | 1360.8                  |  |
| P80 LVSM804S 1            | 2455.0 | 1964.0                   | 2232.0 | 1785.6                  | 1911.0 | 1528.8                  | 2529.0                                     | 2023.2                   | 2299.0 | 1839.2                  | 1968.0 | 1574.4                  |  |
| P80 LVSM804T 1            | 2684.0 | 2147.2                   | 2440.0 | 1952.0                  | 2089.0 | 1671.2                  | 2765.0                                     | 2212.0                   | 2513.0 | 2010.4                  | 2152.0 | 1721.6                  |  |
| P80 LVSM804W 1            | 3128.0 | 2502.4                   | 2844.0 | 2275.2                  | 2435.0 | 1948.0                  | 3222.0                                     | 2577.6                   | 2929.0 | 2343.2                  | 2508.0 | 2006.4                  |  |
| P80 LVSM804X 1            | 3442.0 | 2753.6                   | 3129.0 | 2503.2                  | 2679.0 | 2143.2                  | 3545.0                                     | 2836.0                   | 3223.0 | 2578.4                  | 2759.0 | 2207.2                  |  |

1 - Star connection only

\* - Connection is applicable to winding 711/311 only

W - Water-cooled version available (S7L1W): 50°C ambient temperature ratings apply to an inlet water temperature of 38°C, 45°C ambient temperature ratings apply to an inlet water temperature of 33°C

CC - Please contact applications@cummins.com



## 4 POLE Three Phase



Star\* 440V  
 Parallel Star\* 220V  
 Delta\* 254V

50Hz/1500rpm  
 0.8 Power Factor

1 of 2

| Winding<br>711/311/312/12 | TEMPERATURE RISE         |        |                         |        |                         |        |                                            |        |                         |        |                         |        |        |
|---------------------------|--------------------------|--------|-------------------------|--------|-------------------------|--------|--------------------------------------------|--------|-------------------------|--------|-------------------------|--------|--------|
|                           | 50 °C Ambient            |        |                         |        |                         |        | 45 °C Ambient                              |        |                         |        |                         |        |        |
|                           | Continuous<br>110/50 (H) |        | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |        | Continuous<br>110/45 (H)                   |        | Continuous<br>90/45 (F) |        | Continuous<br>70/45 (B) |        |        |
| Model                     | kVA                      | kW     | kVA                     | kW     | kVA                     | kW     | kVA                                        | kW     | kVA                     | kW     | kVA                     | kW     |        |
| UCM224C                   | 26.8                     | 21.4   | 25.5                    | 20.4   | 22.5                    | 18.0   | 27.6                                       | 22.0   | 26.3                    | 21.0   | 23.2                    | 18.5   |        |
| UCM224D                   | 32.7                     | 26.1   | 29.7                    | 23.7   | 27.3                    | 21.8   | 33.7                                       | 26.9   | 30.6                    | 24.4   | 28.1                    | 22.4   |        |
| UCM224E                   | 40.2                     | 32.1   | 36.9                    | 29.5   | 32.6                    | 26.0   | 41.4                                       | 33.1   | 38.0                    | 30.4   | 33.6                    | 26.8   |        |
| UCM224F                   | 49.1                     | 39.2   | 45.2                    | 36.1   | 39.3                    | 31.4   | 50.6                                       | 40.4   | 46.6                    | 37.2   | 40.5                    | 32.4   |        |
| UCM224G                   | 62.7                     | 50.1   | 57.0                    | 45.6   | 52.2                    | 41.7   | 64.6                                       | 51.6   | 58.7                    | 46.9   | 53.8                    | 43.0   |        |
| S4L1M-C                   | 215.0                    | 172.0  | 210.0                   | 168.0  | 185.0                   | 148.0  | 221.0                                      | 176.8  | 216.0                   | 172.8  | 191.0                   | 152.8  |        |
| S4L1M-D                   | 240.0                    | 192.0  | 230.0                   | 184.0  | 200.0                   | 160.0  | 247.0                                      | 197.6  | 237.0                   | 189.6  | 206.0                   | 164.8  |        |
| S4L1M-E                   | 295.0                    | 236.0  | 275.0                   | 220.0  | 240.0                   | 192.0  | 304.0                                      | 243.2  | 283.0                   | 226.4  | 247.0                   | 197.6  |        |
| S4L1M-F                   | 340.0                    | 272.0  | 310.0                   | 248.0  | 275.0                   | 220.0  | 350.0                                      | 280.0  | 319.0                   | 255.2  | 283.0                   | 226.4  |        |
| HCM534C                   | 390.0                    | 312.0  | 380.0                   | 304.0  | 330.0                   | 264.0  | 402.0                                      | 321.6  | 391.0                   | 312.8  | 340.0                   | 272.0  |        |
| HCM534D                   | 435.0                    | 348.0  | 430.0                   | 344.0  | 375.0                   | 300.0  | 448.0                                      | 358.4  | 443.0                   | 354.4  | 386.0                   | 308.8  |        |
| HCM534E                   | 530.0                    | 424.0  | 505.0                   | 404.0  | 440.0                   | 352.0  | 546.0                                      | 436.8  | 520.0                   | 416.0  | 453.0                   | 362.4  |        |
| HCM534F                   | 600.0                    | 480.0  | 540.0                   | 432.0  | 475.0                   | 380.0  | 618.0                                      | 494.4  | 556.0                   | 444.8  | 489.0                   | 391.2  |        |
| S5L1M-C                   | 390.0                    | 312.0  | 380.0                   | 304.0  | 330.0                   | 264.0  | 402.0                                      | 321.6  | 391.4                   | 313.1  | 340.0                   | 272.0  |        |
| S5L1M-D                   | 435.0                    | 348.0  | 430.0                   | 344.0  | 375.0                   | 300.0  | 448.1                                      | 358.4  | 443.0                   | 354.4  | 386.3                   | 309.0  |        |
| S5L1M-E                   | 530.0                    | 424.0  | 505.0                   | 404.0  | 440.0                   | 352.0  | 546.0                                      | 436.8  | 520.2                   | 416.1  | 453.2                   | 362.5  |        |
| S5L1M-F                   | 600.0                    | 480.0  | 540.0                   | 432.0  | 475.0                   | 380.0  | 618.0                                      | 494.4  | 556.2                   | 444.9  | 489.3                   | 391.4  |        |
| S6L1M-C                   | 675.0                    | 540.0  | 675.0                   | 540.0  | 570.0                   | 456.0  | Please contact<br>applications@cummins.com |        |                         |        |                         |        |        |
| S6L1M-D                   | 770.0                    | 616.0  | 700.0                   | 560.0  | 617.0                   | 493.6  |                                            |        |                         |        |                         |        |        |
| S6L1M-E                   | 870.0                    | 696.0  | 850.0                   | 680.0  | 758.0                   | 606.4  |                                            |        |                         |        |                         |        |        |
| S6L1M-F                   | 970.0                    | 776.0  | 940.0                   | 752.0  | 820.0                   | 656.0  |                                            |        |                         |        |                         |        |        |
| S6L1M-H                   | 1180.0                   | 944.0  | 1105.0                  | 884.0  | 990.0                   | 792.0  |                                            |        |                         |        |                         |        |        |
| S7L1M-C                   | 1                        | 1340.0 | 1072.0                  | 1240.0 | 992.0                   | 1095.0 | 876.0                                      | 1380.0 | 1104.0                  | 1277.0 | 1021.6                  | 1128.0 | 902.4  |
| S7L1M-D                   | W.1                      | 1430.0 | 1144.0                  | 1320.0 | 1056.0                  | 1165.0 | 932.0                                      | 1473.0 | 1178.4                  | 1360.0 | 1088.0                  | 1200.0 | 960.0  |
| S7L1M-E                   | W.1                      | 1515.0 | 1212.0                  | 1360.0 | 1088.0                  | 1255.0 | 1004.0                                     | 1560.0 | 1248.0                  | 1401.0 | 1120.8                  | 1293.0 | 1034.4 |
| S7L1M-F                   | W.1                      | 1650.0 | 1320.0                  | 1520.0 | 1216.0                  | 1340.0 | 1072.0                                     | 1700.0 | 1360.0                  | 1566.0 | 1252.8                  | 1380.0 | 1104.0 |
| S7L1M-G                   | 1                        | 1800.0 | 1440.0                  | 1665.0 | 1332.0                  | 1465.0 | 1172.0                                     | 1854.0 | 1483.2                  | 1715.0 | 1372.0                  | 1509.0 | 1207.2 |
| S7L1M-H                   | 1                        | 1910.0 | 1528.0                  | 1760.0 | 1408.0                  | 1550.0 | 1240.0                                     | 1967.0 | 1573.6                  | 1813.0 | 1450.4                  | 1597.0 | 1277.6 |
| S7L1M-J                   | W.1                      | 2000.0 | 1600.0                  | 1826.0 | 1460.8                  | 1575.0 | 1260.0                                     | 2060.0 | 1648.0                  | 1881.0 | 1504.8                  | 1622.0 | 1297.6 |
| P80 LVSM804R              | 1                        | 1993.0 | 1594.4                  | 1812.0 | 1449.6                  | 1552.0 | 1241.6                                     | 2053.0 | 1642.4                  | 1866.0 | 1492.8                  | 1599.0 | 1279.2 |



## 4 POLE Three Phase



Star\* 440V

Parallel Star\* 220V

Delta\* 254V

**50Hz/1500rpm**  
**0.8 Power Factor**

2 of 2

| Winding<br>711/311/312/12 |   | TEMPERATURE RISE         |        |                         |        |                         |        |                          |        |                         |        |                         |        |
|---------------------------|---|--------------------------|--------|-------------------------|--------|-------------------------|--------|--------------------------|--------|-------------------------|--------|-------------------------|--------|
|                           |   | 50 °C Ambient            |        |                         |        |                         |        | 45 °C Ambient            |        |                         |        |                         |        |
|                           |   | Continuous<br>110/50 (H) |        | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |        | Continuous<br>110/45 (H) |        | Continuous<br>90/45 (F) |        | Continuous<br>70/45 (B) |        |
| Model                     |   | kVA                      | kW     | kVA                     | kW     | kVA                     | kW     | kVA                      | kW     | kVA                     | kW     | kVA                     | kW     |
| P80 LVSM804S              | 1 | 2306.0                   | 1844.8 | 2096.0                  | 1676.8 | 1795.0                  | 1436.0 | 2375.0                   | 1900.0 | 2159.0                  | 1727.2 | 1849.0                  | 1479.2 |
| P80 LVSM804T              | 1 | 2521.0                   | 2016.8 | 2292.0                  | 1833.6 | 1963.0                  | 1570.4 | 2597.0                   | 2077.6 | 2361.0                  | 1888.8 | 2022.0                  | 1617.6 |
| P80 LVSM804W              | 1 | 2939.0                   | 2351.2 | 2672.0                  | 2137.6 | 2288.0                  | 1830.4 | 3027.0                   | 2421.6 | 2752.0                  | 2201.6 | 2357.0                  | 1885.6 |
| P80 LVSM804X              | 1 | 3234.0                   | 2587.2 | 2940.0                  | 2352.0 | 2517.0                  | 2013.6 | 3331.0                   | 2664.8 | 3028.0                  | 2422.4 | 2593.0                  | 2074.4 |

1 - Star connection only

\* - Connection is applicable to winding 711/311 only

W - Water-cooled version available (S7L1W): 50°C ambient temperature ratings apply to an inlet water temperature of 38°C, 45°C ambient temperature ratings apply to an inlet water temperature of 33°C



## 4 POLE Three Phase



Star\* 660V-690V  
 Parallel Star\* 330V-345V  
 Delta\* 380V-400V

50Hz/1500rpm  
 0.8 Power Factor

1 of 2

| Winding<br>25/26/65 | TEMPERATURE RISE         |        |                         |        |                         |        |                                            |        |                         |        |                         |        |
|---------------------|--------------------------|--------|-------------------------|--------|-------------------------|--------|--------------------------------------------|--------|-------------------------|--------|-------------------------|--------|
|                     | 50 °C Ambient            |        |                         |        |                         |        | 45 °C Ambient                              |        |                         |        |                         |        |
|                     | Continuous<br>110/50 (H) |        | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |        | Continuous<br>110/45 (H)                   |        | Continuous<br>90/45 (F) |        | Continuous<br>70/45 (B) |        |
| Model               | kVA                      | kW     | kVA                     | kW     | kVA                     | kW     | kVA                                        | kW     | kVA                     | kW     | kVA                     | kW     |
| UCM224C             | 33.5                     | 26.8   | 32.0                    | 25.6   | 27.5                    | 22.0   | 34.5                                       | 27.6   | 33.0                    | 26.4   | 28.3                    | 22.6   |
| UCM224D             | 43.5                     | 34.8   | 40.0                    | 32.0   | 37.5                    | 30.0   | 44.8                                       | 35.8   | 41.2                    | 32.9   | 38.6                    | 30.8   |
| UCM224F             | 58.0                     | 46.4   | 53.0                    | 42.4   | 46.0                    | 36.8   | 59.7                                       | 47.7   | 54.6                    | 43.6   | 47.4                    | 37.9   |
| UCM224G             | 71.0                     | 56.8   | 63.5                    | 50.8   | 55.0                    | 44.0   | 73.1                                       | 58.4   | 65.4                    | 52.3   | 56.7                    | 45.3   |
| UCM274C             | 81.5                     | 65.2   | 77.5                    | 62.0   | 67.5                    | 54.0   | Please contact<br>applications@cummins.com |        |                         |        |                         |        |
| UCM274D             | 97.0                     | 77.6   | 87.5                    | 70.0   | 81.3                    | 65.0   |                                            |        |                         |        |                         |        |
| UCM274E             | 120.0                    | 96.0   | 112.5                   | 90.0   | 100.0                   | 80.0   |                                            |        |                         |        |                         |        |
| UCM274F             | 140.0                    | 112.0  | 135.0                   | 108.0  | 112.5                   | 90.0   |                                            |        |                         |        |                         |        |
| UCM274G             | 155.0                    | 124.0  | 145.0                   | 116.0  | 125.0                   | 100.0  |                                            |        |                         |        |                         |        |
| UCM274H             | 175.0                    | 140.0  | 170.0                   | 136.0  | 143.8                   | 115.0  |                                            |        |                         |        |                         |        |
| S4L1M-C             | 210.0                    | 168.0  | 200.0                   | 160.0  | 175.0                   | 140.0  | 216.0                                      | 172.8  | 206.0                   | 164.8  | 180.0                   | 144.0  |
| S4L1M-D             | 235.0                    | 188.0  | 225.0                   | 180.0  | 195.0                   | 156.0  | 242.0                                      | 193.6  | 232.0                   | 185.6  | 201.0                   | 160.8  |
| S4L1M-E             | 280.0                    | 224.0  | 260.0                   | 208.0  | 225.0                   | 180.0  | 288.0                                      | 230.4  | 268.0                   | 214.4  | 232.0                   | 185.6  |
| S4L1M-F             | 330.0                    | 264.0  | 300.0                   | 240.0  | 265.0                   | 212.0  | 340.0                                      | 272.0  | 309.0                   | 247.2  | CC                      |        |
| HCM534C             | 360.0                    | 288.0  | 340.0                   | 272.0  | 295.0                   | 236.0  | 371.0                                      | 296.8  | 350.0                   | 280.0  | 304.0                   | 243.2  |
| HCM534D             | 435.0                    | 348.0  | 405.0                   | 324.0  | 355.0                   | 284.0  | 448.0                                      | 358.4  | 417.0                   | 333.6  | 366.0                   | 292.8  |
| HCM534E             | 495.0                    | 396.0  | 440.0                   | 352.0  | 380.0                   | 304.0  | 510.0                                      | 408.0  | 453.0                   | 362.4  | 391.0                   | 312.8  |
| HCM534F             | 565.0                    | 452.0  | 505.0                   | 404.0  | 440.0                   | 352.0  | 582.0                                      | 465.6  | 520.0                   | 416.0  | 453.0                   | 362.4  |
| S5L1M-C             | 360.0                    | 288.0  | 340.0                   | 272.0  | 295.0                   | 236.0  | 370.8                                      | 296.6  | 350.2                   | 280.1  | 303.9                   | 243.1  |
| S5L1M-D             | 435.0                    | 348.0  | 405.0                   | 324.0  | 355.0                   | 284.0  | 448.1                                      | 358.4  | 417.2                   | 333.7  | 365.7                   | 292.5  |
| S5L1M-E             | 495.0                    | 396.0  | 440.0                   | 352.0  | 380.0                   | 304.0  | 509.9                                      | 407.9  | 453.2                   | 362.5  | 391.4                   | 313.1  |
| S5L1M-F             | 565.0                    | 452.0  | 505.0                   | 404.0  | 440.0                   | 352.0  | 582.0                                      | 465.6  | 520.2                   | 416.1  | 453.2                   | 362.5  |
| S6L1M-C             | 680.0                    | 544.0  | 630.0                   | 504.0  | 530.0                   | 424.0  | Please contact<br>applications@cummins.com |        |                         |        |                         |        |
| S6L1M-D             | 765.0                    | 612.0  | 700.0                   | 560.0  | 638.0                   | 510.4  |                                            |        |                         |        |                         |        |
| S6L1M-E             | 830.0                    | 664.0  | 800.0                   | 640.0  | 700.0                   | 560.0  |                                            |        |                         |        |                         |        |
| S6L1M-F             | 900.0                    | 720.0  | 850.0                   | 680.0  | 740.0                   | 592.0  |                                            |        |                         |        |                         |        |
| S6L1M-H             | N/A                      | N/A    | 1100.0                  | 880.0  | 985.0                   | 788.0  |                                            |        |                         |        |                         |        |
| S7L1M-C 1           | 1330.0                   | 1064.0 | 1230.0                  | 984.0  | 1100.0                  | 880.0  | 1370.0                                     | 1096.0 | 1267.0                  | 1013.6 | 1133.0                  | 906.4  |
| S7L1M-D W.1         | 1455.0                   | 1164.0 | 1345.0                  | 1076.0 | 1200.0                  | 960.0  | 1499.0                                     | 1199.2 | 1385.0                  | 1108.0 | 1236.0                  | 988.8  |
| S7L1M-E W.1         | 1456.0                   | 1164.8 | 1360.0                  | 1088.0 | 1240.0                  | 992.0  | 1456.0                                     | 1164.8 | 1401.0                  | 1120.8 | 1277.0                  | 1021.6 |
| S7L1M-F W.1         | 1579.0                   | 1263.2 | 1440.0                  | 1152.0 | 1275.0                  | 1020.0 | 1579.0                                     | 1263.2 | 1483.0                  | 1186.4 | 1313.0                  | 1050.4 |
| S7L1M-G 1           | 1830.0                   | 1464.0 | 1690.0                  | 1352.0 | 1500.0                  | 1200.0 | 1885.0                                     | 1508.0 | 1741.0                  | 1392.8 | 1545.0                  | 1236.0 |
| S7L1M-H 1           | 1940.0                   | 1552.0 | 1750.0                  | 1400.0 | 1550.0                  | 1240.0 | 1998.0                                     | 1598.4 | 1803.0                  | 1442.4 | 1597.0                  | 1277.6 |
| S7L1M-J W.1         | 2160.0                   | 1728.0 | 1945.0                  | 1556.0 | 1645.0                  | 1316.0 | 2225.0                                     | 1780.0 | 2003.0                  | 1602.4 | 1694.0                  | 1355.2 |



## 4 POLE Three Phase



**Star\*** 660V-690V  
**Parallel Star\*** 330V-345V  
**Delta\*** 380V-400V

**50Hz/1500rpm**  
**0.8 Power Factor**

**2 of 2**

| Winding<br>711/311/312/12 |  | TEMPERATURE RISE         |        |                         |        |                         |        |                                         |        |                         |        |                         |        |
|---------------------------|--|--------------------------|--------|-------------------------|--------|-------------------------|--------|-----------------------------------------|--------|-------------------------|--------|-------------------------|--------|
|                           |  | 50 °C Ambient            |        |                         |        |                         |        | 45 °C Ambient                           |        |                         |        |                         |        |
|                           |  | Continuous<br>110/50 (H) |        | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |        | Continuous<br>110/45 (H)                |        | Continuous<br>90/45 (F) |        | Continuous<br>70/45 (B) |        |
| Model                     |  | kVA                      | kW     | kVA                     | kW     | kVA                     | kW     | kVA                                     | kW     | kVA                     | kW     | kVA                     | kW     |
| S7L1M-K W.1               |  | 2500.0                   | 2000.0 | 2250.0                  | 1800.0 | 2000.0                  | 1600.0 | Please contact applications@cummins.com |        |                         |        |                         |        |
| P80 LVSM804T 1            |  | 2490.0                   | 1992.0 | 2264.0                  | 1811.2 | 1939.0                  | 1551.2 | 2564.7                                  | 2051.8 | 2331.9                  | 1865.5 | 1997.2                  | 1597.7 |
| P80 LVSM804W 1            |  | 2922.0                   | 2337.6 | 2656.0                  | 2124.8 | 2274.0                  | 1819.2 | 3009.7                                  | 2407.7 | 2735.7                  | 2188.5 | 2342.2                  | 1873.8 |
| P80 LVSM804Y 1            |  | 3344.0                   | 2675.2 | 3040.0                  | 2432.0 | 2603.0                  | 2082.4 | 3444.3                                  | 2755.5 | 3131.2                  | 2505.0 | 2681.1                  | 2144.9 |

1 - Star connection only

\* - Connection is applicable only to winding 25

W - Water-cooled version available (S7L1W): 50°C ambient temperature ratings apply to an inlet water temperature of 38°C, 45°C ambient temperature ratings apply to an inlet water temperature of 33°C

CC - Please contact applications@cummins.com



## 4 POLE Three Phase



Star\* 380V

Parallel Star\* 190V

Delta\* 220V

60Hz/1800rpm  
0.8 Power Factor

| Winding<br>13/14 | TEMPERATURE RISE         |        |                         |        |                         |        |                                            |        |                         |        |                         |        |        |
|------------------|--------------------------|--------|-------------------------|--------|-------------------------|--------|--------------------------------------------|--------|-------------------------|--------|-------------------------|--------|--------|
|                  | 50 °C Ambient            |        |                         |        |                         |        | 45 °C Ambient                              |        |                         |        |                         |        |        |
|                  | Continuous<br>110/50 (H) |        | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |        | Continuous<br>110/45 (H)                   |        | Continuous<br>90/45 (F) |        | Continuous<br>70/45 (B) |        |        |
| Model            | kVA                      | kW     | kVA                     | kW     | kVA                     | kW     | kVA                                        | kW     | kVA                     | kW     | kVA                     | kW     |        |
| UCM224C          | 46.5                     | 37.2   | 43.1                    | 34.4   | 37.5                    | 30.0   | 47.9                                       | 38.3   | 44.4                    | 35.5   | 38.6                    | 30.8   |        |
| UCM224D          | 54.3                     | 43.4   | 51.3                    | 41.0   | 46.3                    | 37.0   | 55.9                                       | 44.7   | 52.8                    | 42.2   | 47.7                    | 38.1   |        |
| UCM224E          | 63.0                     | 50.4   | 56.3                    | 45.0   | 50.0                    | 40.0   | 64.9                                       | 51.9   | 58.0                    | 46.4   | 51.5                    | 41.2   |        |
| UCM224F          | 72.5                     | 58.0   | 68.8                    | 55.0   | 59.4                    | 47.5   | 74.7                                       | 59.7   | 70.9                    | 56.7   | 61.2                    | 48.9   |        |
| UCM224G          | 91.0                     | 72.8   | 81.3                    | 65.0   | 75.0                    | 60.0   | 93.7                                       | 74.9   | 83.7                    | 66.9   | 77.3                    | 61.8   |        |
| UCM274C          | 105.0                    | 84.0   | 93.8                    | 75.0   | 81.3                    | 65.0   | 108.2                                      | 86.5   | 96.6                    | 77.2   | 83.7                    | 66.9   |        |
| UCM274D          | 115.0                    | 92.0   | 107.5                   | 86.0   | 87.5                    | 70.0   | 118.5                                      | 94.8   | 110.7                   | 88.5   | 90.1                    | 72.0   |        |
| UCM274E          | 135.0                    | 108.0  | 125.0                   | 100.0  | 110.0                   | 88.0   | 139.1                                      | 111.2  | 128.8                   | 103.0  | 113.3                   | 90.6   |        |
| UCM274F          | 155.0                    | 124.0  | 147.5                   | 118.0  | 127.5                   | 102.0  | 159.7                                      | 127.7  | 151.9                   | 121.5  | 131.3                   | 105.0  |        |
| UCM274G          | 181.3                    | 145.0  | 166.0                   | 132.8  | 147.5                   | 118.0  | 186.7                                      | 149.3  | 171.0                   | 136.8  | 151.9                   | 121.5  |        |
| UCM274H          | 212.5                    | 170.0  | 200.0                   | 160.0  | 175.0                   | 140.0  | 218.9                                      | 175.1  | 206.0                   | 164.8  | 180.3                   | 144.2  |        |
| S4L1M-C          | 265.0                    | 212.0  | 250.0                   | 200.0  | 220.0                   | 176.0  | Please contact<br>applications@cummins.com |        |                         |        |                         |        |        |
| S4L1M-D          | 305.0                    | 244.0  | 270.0                   | 216.0  | 235.0                   | 188.0  |                                            |        |                         |        |                         |        |        |
| S4L1M-F          | 425.0                    | 340.0  | 395.0                   | 316.0  | 345.0                   | 276.0  |                                            |        |                         |        |                         |        |        |
| HCM534C          | 445.0                    | 356.0  | 410.0                   | 328.0  | 355.0                   | 284.0  |                                            |        |                         |        |                         |        |        |
| HCM534D          | 545.0                    | 436.0  | 506.0                   | 404.8  | 445.0                   | 356.0  | 561.0                                      | 448.8  | 521.0                   | 416.8  | 458.0                   | 366.4  |        |
| HCM534E          | 600.0                    | 480.0  | 555.0                   | 444.0  | 480.0                   | 384.0  | 618.0                                      | 494.4  | 572.0                   | 457.6  | 494.0                   | 395.2  |        |
| HCM534F          | 725.0                    | 580.0  | 663.0                   | 530.4  | 582.0                   | 465.6  | 747.0                                      | 597.6  | 683.0                   | 546.4  | 599.0                   | 479.2  |        |
| S6L1M-C          | 788.0                    | 630.4  | 731.0                   | 584.8  | 638.0                   | 510.4  | Please contact<br>applications@cummins.com |        |                         |        |                         |        |        |
| S6L1M-D          | 900.0                    | 720.0  | 814.0                   | 651.2  | 718.0                   | 574.4  |                                            |        |                         |        |                         |        |        |
| S6L1M-E          | 1105.0                   | 884.0  | 1000.0                  | 800.0  | 883.0                   | 706.4  |                                            |        |                         |        |                         |        |        |
| S6L1M-F          | 1220.0                   | 976.0  | 1135.0                  | 908.0  | 985.0                   | 788.0  |                                            |        |                         |        |                         |        |        |
| S6L1M-H          | 1375.0                   | 1100.0 | 1180.0                  | 944.0  | 1120.0                  | 896.0  |                                            |        |                         |        |                         |        |        |
| S7L1M-C          | 1                        | 1569.0 | 1255.2                  | 1445.0 | 1156.0                  | 1275.0 | 1020.0                                     | 1616.0 | 1292.8                  | 1488.0 | 1190.4                  | 1313.0 | 1050.4 |
| S7L1M-D          | 1                        | 1640.0 | 1312.0                  | 1570.0 | 1256.0                  | 1381.0 | 1104.8                                     | 1640.0 | 1312.0                  | 1617.0 | 1293.6                  | 1422.0 | 1137.6 |
| S7L1M-E          | 1                        | 1775.0 | 1420.0                  | 1631.0 | 1304.8                  | 1450.0 | 1160.0                                     | 1828.0 | 1462.4                  | 1680.0 | 1344.0                  | 1494.0 | 1195.2 |
| S7L1M-F          | 1                        | 1849.0 | 1479.2                  | 1769.0 | 1415.2                  | 1581.0 | 1264.8                                     | 1849.0 | 1479.2                  | 1822.0 | 1457.6                  | 1628.0 | 1302.4 |
| S7L1M-G          | 1                        | 2206.0 | 1764.8                  | 2040.0 | 1632.0                  | 1800.0 | 1440.0                                     | 2272.0 | 1817.6                  | 2101.0 | 1680.8                  | 1854.0 | 1483.2 |
| S7L1M-H          | 1                        | 2300.0 | 1840.0                  | 2119.0 | 1695.2                  | 1894.0 | 1515.2                                     | 2369.0 | 1895.2                  | 2183.0 | 1746.4                  | 1951.0 | 1560.8 |
| S7L1M-J          | 1                        | 2512.0 | 2009.6                  | 2281.0 | 1824.8                  | 1918.0 | 1534.4                                     | 2587.0 | 2069.6                  | 2349.0 | 1879.2                  | 1976.0 | 1580.8 |
| P80 LVSM804R     | 1                        | 2486.0 | 1988.8                  | 2260.0 | 1808.0                  | 1935.0 | 1548.0                                     | 2560.6 | 2048.5                  | 2327.8 | 1862.2                  | 1993.1 | 1594.4 |
| P80 LVSM804S     | 1                        | 2860.0 | 2288.0                  | 2600.0 | 2080.0                  | 2226.0 | 1780.8                                     | 2945.8 | 2356.6                  | 2678.0 | 2142.4                  | 2292.8 | 1834.2 |
| P80 LVSM804T     | 1                        | 2992.0 | 2393.6                  | 2720.0 | 2176.0                  | 2329.0 | 1863.2                                     | 3081.8 | 2465.4                  | 2801.6 | 2241.3                  | 2398.9 | 1919.1 |
| P80 LVSM804W     | 1                        | 3300.0 | 2640.0                  | 3000.0 | 2400.0                  | 2569.0 | 2055.2                                     | 3399.0 | 2719.2                  | 3090.0 | 2472.0                  | 2646.1 | 2116.9 |

1 - Star connection only

\* - Connection is applicable to winding 13 only



## 4 POLE Three Phase



Star\* 416V

Parallel Star\* 208V

Delta\* 240V

60Hz/1800rpm  
0.8 Power Factor

1 of 2

| Winding<br>711/311/312/12 | TEMPERATURE RISE                           |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
|---------------------------|--------------------------------------------|-------|-------------------------|-------|-------------------------|-------|--------------------------------------------|-------|-------------------------|-------|-------------------------|-------|
|                           | 50 °C Ambient                              |       |                         |       |                         |       | 45 °C Ambient                              |       |                         |       |                         |       |
|                           | Continuous<br>110/50 (H)                   |       | Continuous<br>90/50 (F) |       | Continuous<br>70/50 (B) |       | Continuous<br>110/45 (H)                   |       | Continuous<br>90/45 (F) |       | Continuous<br>70/45 (B) |       |
| Model                     | kVA                                        | kW    | kVA                     | kW    | kVA                     | kW    | kVA                                        | kW    | kVA                     | kW    | kVA                     | kW    |
| S0L2M-F                   | Please contact<br>applications@cummins.com |       |                         |       |                         |       | Please contact<br>applications@cummins.com |       |                         |       |                         |       |
| S0L2M-G                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S0L2M-M                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S0L2M-P                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-J                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-K                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-N                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-R                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-Y                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| UCM224C                   | 43.8                                       | 35.0  | 39.4                    | 31.5  | 35.0                    | 28.0  | 45.1                                       | 36.0  | 40.6                    | 32.4  | 36.1                    | 28.8  |
| UCM224D                   | 51.0                                       | 40.8  | 47.5                    | 38.0  | 42.0                    | 33.6  | 52.5                                       | 42.0  | 48.9                    | 39.1  | 43.3                    | 34.6  |
| UCM224E                   | 60.0                                       | 48.0  | 53.8                    | 43.0  | 47.5                    | 38.0  | 61.8                                       | 49.4  | 55.4                    | 44.3  | 48.9                    | 39.1  |
| UCM224F                   | 72.5                                       | 58.0  | 65.6                    | 52.4  | 57.5                    | 46.0  | 74.7                                       | 59.7  | 67.6                    | 54.0  | 59.2                    | 47.3  |
| UCM224G                   | 84.5                                       | 67.6  | 75.0                    | 60.0  | 62.5                    | 50.0  | 87.0                                       | 69.6  | 77.3                    | 61.8  | 64.4                    | 51.5  |
| UCM274C                   | 93.8                                       | 75.0  | 90.0                    | 72.0  | 75.0                    | 60.0  | 96.6                                       | 77.2  | 92.7                    | 74.1  | 77.3                    | 61.8  |
| UCM274D                   | 115.0                                      | 92.0  | 107.5                   | 86.0  | 87.5                    | 70.0  | 118.5                                      | 94.8  | 110.7                   | 88.5  | 90.1                    | 72.0  |
| UCM274E                   | 135.0                                      | 108.0 | 125.0                   | 100.0 | 110.0                   | 88.0  | 139.1                                      | 111.2 | 128.8                   | 103.0 | 113.3                   | 90.6  |
| UCM274F                   | 156.3                                      | 125.0 | 150.0                   | 120.0 | 131.3                   | 105.0 | 161.0                                      | 128.8 | 154.5                   | 123.6 | 135.2                   | 108.1 |
| UCM274G                   | 186.4                                      | 149.1 | 170.7                   | 136.5 | 151.6                   | 121.2 | 192.0                                      | 153.6 | 175.8                   | 140.6 | 156.1                   | 124.8 |
| UCM274H                   | 212.5                                      | 170.0 | 200.0                   | 160.0 | 175.0                   | 140.0 | 218.9                                      | 175.1 | 206.0                   | 164.8 | 180.3                   | 144.2 |
| UCDM274K                  | 252.0                                      | 201.6 | 250.0                   | 200.0 | 226.0                   | 180.8 | 259.4                                      | 207.5 | 247.2                   | 197.7 | 216.3                   | 173.0 |
| S4L1M-C                   | 255.0                                      | 204.0 | 240.0                   | 192.0 | 210.0                   | 168.0 | 263.0                                      | 210.4 | 247.0                   | 197.6 | 216.0                   | 172.8 |
| S4L1M-D                   | 295.0                                      | 236.0 | 255.0                   | 204.0 | 225.0                   | 180.0 | 304.0                                      | 243.2 | 263.0                   | 210.4 | 232.0                   | 185.6 |
| S4L1M-E                   | 340.0                                      | 272.0 | 315.0                   | 252.0 | 275.0                   | 220.0 | 350.0                                      | 280.0 | 324.0                   | 259.2 | 283.0                   | 226.4 |
| S4L1M-F                   | 395.0                                      | 316.0 | 365.0                   | 292.0 | 320.0                   | 256.0 | 407.0                                      | 325.6 | 376.0                   | 300.8 | 330.0                   | 264.0 |
| HCM534C                   | 463.0                                      | 370.4 | 431.0                   | 344.8 | 375.0                   | 300.0 | 477.0                                      | 381.6 | 444.0                   | 355.2 | 386.0                   | 308.8 |
| HCM534D                   | 500.0                                      | 400.0 | 463.0                   | 370.4 | 405.0                   | 324.0 | 515.0                                      | 412.0 | 477.0                   | 381.6 | 417.0                   | 333.6 |
| HCM534E                   | 606.0                                      | 484.8 | 563.0                   | 450.4 | 495.0                   | 396.0 | 624.0                                      | 499.2 | 580.0                   | 464.0 | 510.0                   | 408.0 |
| HCM534F                   | 663.0                                      | 530.4 | 619.0                   | 495.2 | 544.0                   | 435.2 | 683.0                                      | 546.4 | 638.0                   | 510.4 | 560.0                   | 448.0 |
| S5L1M-C                   | 463.0                                      | 370.4 | 431.0                   | 344.8 | 375.0                   | 300.0 | 476.9                                      | 381.5 | 443.9                   | 355.1 | 386.3                   | 309.0 |
| S5L1M-D                   | 500.0                                      | 400.0 | 463.0                   | 370.4 | 405.0                   | 324.0 | 515.0                                      | 412.0 | 476.9                   | 381.5 | 417.2                   | 333.7 |
| S5L1M-E                   | 606.0                                      | 484.8 | 563.0                   | 450.4 | 495.0                   | 396.0 | 624.2                                      | 499.3 | 579.9                   | 463.9 | 509.9                   | 407.9 |
| S5L1M-F                   | 663.0                                      | 530.4 | 619.0                   | 495.2 | 544.0                   | 435.2 | 682.9                                      | 546.3 | 637.6                   | 510.0 | 560.3                   | 448.2 |
| S6L1M-C                   | 788.0                                      | 630.4 | 731.0                   | 584.8 | 638.0                   | 510.4 | Please contact applications@cummins.com    |       |                         |       |                         |       |



## 4 POLE Three Phase



Star\* 416V

Parallel Star\* 208V

Delta\* 240V

60Hz/1800rpm  
0.8 Power Factor

2 of 2

| Winding<br>711/311/312/12 | TEMPERATURE RISE         |        |                         |        |                         |        |                                            |        |                         |        |                         |        |
|---------------------------|--------------------------|--------|-------------------------|--------|-------------------------|--------|--------------------------------------------|--------|-------------------------|--------|-------------------------|--------|
|                           | 50 °C Ambient            |        |                         |        |                         |        | 45 °C Ambient                              |        |                         |        |                         |        |
|                           | Continuous<br>110/50 (H) |        | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |        | Continuous<br>110/45 (H)                   |        | Continuous<br>90/45 (F) |        | Continuous<br>70/45 (B) |        |
| Model                     | kVA                      | kW     | kVA                     | kW     | kVA                     | kW     | kVA                                        | kW     | kVA                     | kW     | kVA                     | kW     |
| S6L1M-D                   | 887.0                    | 709.6  | 819.0                   | 655.2  | 713.0                   | 570.4  | Please contact<br>applications@cummins.com |        |                         |        |                         |        |
| S6L1M-E                   | 1031.0                   | 824.8  | 956.0                   | 764.8  | 825.0                   | 660.0  |                                            |        |                         |        |                         |        |
| S6L1M-F                   | 1150.0                   | 920.0  | 1063.0                  | 850.4  | 925.0                   | 740.0  |                                            |        |                         |        |                         |        |
| S6L1M-H                   | 1269.0                   | 1015.2 | 1112.0                  | 889.6  | 1100.0                  | 880.0  |                                            |        |                         |        |                         |        |
| S7L1M-C 1                 | 1315.0                   | 1052.0 | 1315.0                  | 1052.0 | 1225.0                  | 980.0  | 1315.0                                     | 1052.0 | 1315.0                  | 1052.0 | 1262.0                  | 1009.6 |
| S7L1M-D W.1               | 1612.0                   | 1289.6 | 1481.0                  | 1184.8 | 1306.0                  | 1044.8 | 1633.0                                     | 1306.4 | 1525.0                  | 1220.0 | 1345.0                  | 1076.0 |
| S7L1M-E W.1               | 1625.0                   | 1300.0 | 1550.0                  | 1240.0 | 1370.0                  | 1096.0 | 1674.0                                     | 1339.2 | 1597.0                  | 1277.6 | 1411.0                  | 1128.8 |
| S7L1M-F W.1               | 1781.0                   | 1424.8 | 1694.0                  | 1355.2 | 1494.0                  | 1195.2 | 1781.0                                     | 1424.8 | 1745.0                  | 1396.0 | 1539.0                  | 1231.2 |
| S7L1M-G 1                 | 1991.0                   | 1592.8 | 1912.0                  | 1529.6 | 1687.0                  | 1349.6 | 1991.0                                     | 1592.8 | 1969.0                  | 1575.2 | 1738.0                  | 1390.4 |
| S7L1M-H 1                 | 2137.0                   | 1709.6 | 2025.0                  | 1620.0 | 1781.0                  | 1424.8 | 2201.0                                     | 1760.8 | 2086.0                  | 1668.8 | 1834.0                  | 1467.2 |
| S7L1M-J W.1               | 2288.0                   | 1830.4 | 2137.0                  | 1709.6 | 1812.0                  | 1449.6 | 2357.0                                     | 1885.6 | 2201.0                  | 1760.8 | 1866.0                  | 1492.8 |
| S7L1M-K W.1               | 2500.0                   | 2000.0 | 2300.0                  | 1840.0 | 2065.0                  | 1652.0 | Please contact applications@cummins.com    |        |                         |        |                         |        |
| P80 LVSM804R 1            | 2288.0                   | 1830.4 | 2080.0                  | 1664.0 | 1781.0                  | 1424.8 | 2356.6                                     | 1885.3 | 2142.4                  | 1713.9 | 1834.4                  | 1467.5 |
| P80 LVSM804S 1            | 2552.0                   | 2041.6 | 2320.0                  | 1856.0 | 1987.0                  | 1589.6 | 2628.6                                     | 2102.8 | 2389.6                  | 1911.7 | 2046.6                  | 1637.3 |
| P80 LVSM804T 1            | 2790.0                   | 2232.0 | 2536.0                  | 2028.8 | 2171.0                  | 1736.8 | 2873.7                                     | 2299.0 | 2612.1                  | 2089.7 | 2236.1                  | 1788.9 |
| P80 LVSM804W 1            | 3159.0                   | 2527.2 | 2872.0                  | 2297.6 | 2459.0                  | 1967.2 | 3253.8                                     | 2603.0 | 2958.2                  | 2366.5 | 2532.8                  | 2026.2 |
| P80 LVSM804X 1            | 3406.0                   | 2724.8 | 3096.0                  | 2476.8 | 2651.0                  | 2120.8 | 3508.2                                     | 2806.5 | 3188.9                  | 2551.1 | 2730.5                  | 2184.4 |

1 - Star connection only

\* - Connection is applicable to winding 711/311 only

W - Water-cooled version available (S7L1W): 50°C ambient temperature ratings apply to an inlet water temperature of 38°C, 45°C ambient temperature ratings apply to an inlet water temperature of 33°C

CC - Please contact applications@cummins.com



## 4 POLE Three Phase



Star\* 440V  
 Parallel Star\* 220V  
 Delta\* 254V

60Hz/1800rpm  
 0.8 Power Factor

1 of 2

| Winding<br>711/311/312/12 | TEMPERATURE RISE                           |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
|---------------------------|--------------------------------------------|-------|-------------------------|-------|-------------------------|-------|--------------------------------------------|-------|-------------------------|-------|-------------------------|-------|
|                           | 50 °C Ambient                              |       |                         |       |                         |       | 45 °C Ambient                              |       |                         |       |                         |       |
|                           | Continuous<br>110/50 (H)                   |       | Continuous<br>90/50 (F) |       | Continuous<br>70/50 (B) |       | Continuous<br>110/45 (H)                   |       | Continuous<br>90/45 (F) |       | Continuous<br>70/45 (B) |       |
| Model                     | kVA                                        | kW    | kVA                     | kW    | kVA                     | kW    | kVA                                        | kW    | kVA                     | kW    | kVA                     | kW    |
| S0L2M-F                   | Please contact<br>applications@cummins.com |       |                         |       |                         |       | Please contact<br>applications@cummins.com |       |                         |       |                         |       |
| S0L2M-G                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S0L2M-M                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S0L2M-P                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-J                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-K                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-N                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-R                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-Y                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| UCM224C                   | 44.7                                       | 35.7  | 41.9                    | 33.5  | 36.3                    | 29.0  | Please contact<br>applications@cummins.com |       |                         |       |                         |       |
| UCM224D                   | 53.1                                       | 42.4  | 50.0                    | 40.0  | 43.8                    | 35.0  |                                            |       |                         |       |                         |       |
| UCM224E                   | 63.0                                       | 50.4  | 56.3                    | 45.0  | 50.0                    | 40.0  |                                            |       |                         |       |                         |       |
| UCM224F                   | 75.6                                       | 60.4  | 68.8                    | 55.0  | 60.0                    | 48.0  |                                            |       |                         |       |                         |       |
| UCM224G                   | 87.0                                       | 69.6  | 78.8                    | 63.0  | 68.8                    | 55.0  |                                            |       |                         |       |                         |       |
| UCM274C                   | 102.5                                      | 82.0  | 92.5                    | 74.0  | 77.5                    | 62.0  | 105.6                                      | 84.4  | 95.3                    | 76.2  | 79.8                    | 63.8  |
| UCM274D                   | 117.5                                      | 94.0  | 110.0                   | 88.0  | 90.0                    | 72.0  | 121.0                                      | 96.8  | 113.3                   | 90.6  | 92.7                    | 74.1  |
| UCM274E                   | 137.5                                      | 110.0 | 131.3                   | 105.0 | 112.5                   | 90.0  | 141.6                                      | 113.2 | 135.3                   | 108.2 | 115.9                   | 92.7  |
| UCM274F                   | 162.5                                      | 130.0 | 156.0                   | 124.8 | 137.5                   | 110.0 | 167.4                                      | 133.9 | 160.7                   | 128.5 | 141.6                   | 113.2 |
| UCM274G                   | 192.8                                      | 154.2 | 186.0                   | 148.8 | 162.0                   | 129.6 | 198.6                                      | 158.8 | 191.6                   | 153.2 | 166.9                   | 133.5 |
| UCM274H                   | 218.8                                      | 175.0 | 212.5                   | 170.0 | 187.5                   | 150.0 | 225.4                                      | 180.3 | 218.9                   | 175.1 | 193.1                   | 154.4 |
| S4L1M-C                   | 260.0                                      | 208.0 | 245.0                   | 196.0 | 215.0                   | 172.0 | 268.0                                      | 214.4 | 252.0                   | 201.6 | 221.0                   | 176.8 |
| UCDM274K                  | 265.0                                      | 212.0 | 265.0                   | 212.0 | 233.0                   | 186.4 | 273.0                                      | 218.4 | 273.0                   | 218.4 | 240.0                   | 192.0 |
| S4L1M-D                   | 305.0                                      | 244.0 | 270.0                   | 216.0 | 235.0                   | 188.0 | 314.0                                      | 251.2 | 278.0                   | 222.4 | 242.0                   | 193.6 |
| S4L1M-E                   | 350.0                                      | 280.0 | 325.0                   | 260.0 | 285.0                   | 228.0 | 361.0                                      | 288.8 | 335.0                   | 268.0 | 294.0                   | 235.2 |
| S4L1M-F                   | 405.0                                      | 324.0 | 375.0                   | 300.0 | 330.0                   | 264.0 | 417.2                                      | 333.7 | 386.0                   | 308.8 | 340.0                   | 272.0 |
| HCM534C                   | 485.0                                      | 388.0 | 450.0                   | 360.0 | 395.0                   | 316.0 | 500.0                                      | 400.0 | 464.0                   | 371.2 | 407.0                   | 325.6 |
| HCM534D                   | 520.0                                      | 416.0 | 488.0                   | 390.4 | 425.0                   | 340.0 | 536.0                                      | 428.8 | 503.0                   | 402.4 | 438.0                   | 350.4 |
| HCM534E                   | 625.0                                      | 500.0 | 588.0                   | 470.4 | 515.0                   | 412.0 | 644.0                                      | 515.2 | 606.0                   | 484.8 | 530.0                   | 424.0 |
| HCM534F                   | 694.0                                      | 555.2 | 644.0                   | 515.2 | 565.0                   | 452.0 | 715.0                                      | 572.0 | 663.0                   | 530.4 | 582.0                   | 465.6 |
| S5L1M-C                   | 485.0                                      | 388.0 | 450.0                   | 360.0 | 395.0                   | 316.0 | 499.6                                      | 399.6 | 463.5                   | 370.8 | 406.9                   | 325.5 |
| S5L1M-D                   | 520.0                                      | 416.0 | 488.0                   | 390.4 | 425.0                   | 340.0 | 535.6                                      | 428.4 | 502.6                   | 402.0 | 437.8                   | 350.2 |
| S5L1M-E                   | 625.0                                      | 500.0 | 588.0                   | 470.4 | 515.0                   | 412.0 | 643.8                                      | 515.0 | 605.6                   | 484.4 | 530.5                   | 424.4 |
| S5L1M-F                   | 694.0                                      | 555.2 | 644.0                   | 515.2 | 565.0                   | 452.0 | 714.8                                      | 571.8 | 663.3                   | 530.6 | 582.0                   | 465.6 |
| S6L1M-C                   | 813.0                                      | 650.4 | 763.0                   | 610.4 | 662.0                   | 529.6 | Please contact applications@cummins.com    |       |                         |       |                         |       |



## 4 POLE Three Phase



Star\* 440V

Parallel Star\* 220V

Delta\* 254V

60Hz/1800rpm  
0.8 Power Factor

2 of 2

| Winding<br>711/311/312/12 | TEMPERATURE RISE         |        |                         |        |                         |        |                                            |        |                         |        |                         |        |
|---------------------------|--------------------------|--------|-------------------------|--------|-------------------------|--------|--------------------------------------------|--------|-------------------------|--------|-------------------------|--------|
|                           | 50 °C Ambient            |        |                         |        |                         |        | 45 °C Ambient                              |        |                         |        |                         |        |
|                           | Continuous<br>110/50 (H) |        | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |        | Continuous<br>110/45 (H)                   |        | Continuous<br>90/45 (F) |        | Continuous<br>70/45 (B) |        |
| Model                     | kVA                      | kW     | kVA                     | kW     | kVA                     | kW     | kVA                                        | kW     | kVA                     | kW     | kVA                     | kW     |
| S6L1M-D                   | 931.0                    | 744.8  | 863.0                   | 690.4  | 750.0                   | 600.0  | Please contact<br>applications@cummins.com |        |                         |        |                         |        |
| S6L1M-E                   | 1063.0                   | 850.4  | 988.0                   | 790.4  | 850.0                   | 680.0  |                                            |        |                         |        |                         |        |
| S6L1M-F                   | 1200.0                   | 960.0  | 1113.0                  | 890.4  | 965.0                   | 772.0  |                                            |        |                         |        |                         |        |
| S6L1M-H                   | 1300.0                   | 1040.0 | 1175.0                  | 940.0  | 1175.0                  | 940.0  |                                            |        |                         |        |                         |        |
| S7L1M-C 1                 | 1481.0                   | 1184.8 | 1481.0                  | 1184.8 | 1306.0                  | 1044.8 | 1481.0                                     | 1184.8 | 1481.0                  | 1184.8 | 1345.0                  | 1076.0 |
| S7L1M-D W.1               | 1706.0                   | 1364.8 | 1581.0                  | 1264.8 | 1394.0                  | 1115.2 | 1757.0                                     | 1405.6 | 1628.0                  | 1302.4 | 1436.0                  | 1148.8 |
| S7L1M-E W.1               | 1712.0                   | 1369.6 | 1650.0                  | 1320.0 | 1450.0                  | 1160.0 | 1763.0                                     | 1410.4 | 1700.0                  | 1360.0 | 1494.0                  | 1195.2 |
| S7L1M-F W.1               | 1950.0                   | 1560.0 | 1800.0                  | 1440.0 | 1594.0                  | 1275.2 | 1993.0                                     | 1594.4 | 1854.0                  | 1483.2 | 1642.0                  | 1313.6 |
| S7L1M-G 1                 | 2200.0                   | 1760.0 | 2037.0                  | 1629.6 | 1800.0                  | 1440.0 | 2227.0                                     | 1781.6 | 2098.0                  | 1678.4 | 1854.0                  | 1483.2 |
| S7L1M-H 1                 | 2237.0                   | 1789.6 | 2156.0                  | 1724.8 | 1900.0                  | 1520.0 | 2304.0                                     | 1843.2 | 2221.0                  | 1776.8 | 1957.0                  | 1565.6 |
| S7L1M-J W.1               | 2425.0                   | 1940.0 | 2269.0                  | 1815.2 | 1913.0                  | 1530.4 | 2498.0                                     | 1998.4 | 2337.0                  | 1869.6 | 1970.0                  | 1576.0 |
| S7L1M-K W.1               | 2650.0                   | 2120.0 | 2450.0                  | 1960.0 | 2150.0                  | 1720.0 | Please contact applications@cummins.com    |        |                         |        |                         |        |
| P80 LVSM804R 1            | 2420.0                   | 1936.0 | 2200.0                  | 1760.0 | 1884.0                  | 1507.2 | 2492.6                                     | 1994.1 | 2266.0                  | 1812.8 | 1940.5                  | 1552.4 |
| P80 LVSM804S 1            | 2702.0                   | 2161.6 | 2456.0                  | 1964.8 | 2103.0                  | 1682.4 | 2783.1                                     | 2226.4 | 2529.7                  | 2023.7 | 2166.1                  | 1732.9 |
| P80 LVSM804T 1            | 2952.0                   | 2361.6 | 2684.0                  | 2147.2 | 2298.0                  | 1838.4 | 3040.6                                     | 2432.4 | 2764.5                  | 2211.6 | 2366.9                  | 1893.6 |
| P80 LVSM804W 1            | 3344.0                   | 2675.2 | 3040.0                  | 2432.0 | 2603.0                  | 2082.4 | 3444.3                                     | 2755.5 | 3131.2                  | 2505.0 | 2681.1                  | 2144.9 |
| P80 LVSM804X 1            | 3599.0                   | 2879.2 | 3272.0                  | 2617.6 | 2802.0                  | 2241.6 | 3707.0                                     | 2965.6 | 3370.2                  | 2696.1 | 2886.1                  | 2308.8 |

1 - Star connection only

\* - Connection is applicable to winding 711/311 only

W - Water-cooled version available (S7L1W): 50°C ambient temperature ratings apply to an inlet water temperature of 38°C, 45°C ambient temperature ratings apply to an inlet water temperature of 33°C

CC - Please contact applications@cummins.com



## 4 POLE Three Phase



Star\* 460V  
 Parallel Star\* 230V  
 Delta\* 266V

**60Hz/1800rpm**  
**0.8 Power Factor**

1 of 2

| Winding<br>711/311/312/12 | TEMPERATURE RISE         |        |                         |        |                         |        |                                            |        |                         |        |                         |        |
|---------------------------|--------------------------|--------|-------------------------|--------|-------------------------|--------|--------------------------------------------|--------|-------------------------|--------|-------------------------|--------|
|                           | 50 °C Ambient            |        |                         |        |                         |        | 45 °C Ambient                              |        |                         |        |                         |        |
|                           | Continuous<br>110/50 (H) |        | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |        | Continuous<br>110/45 (H)                   |        | Continuous<br>90/45 (F) |        | Continuous<br>70/45 (B) |        |
| Model                     | kVA                      | kW     | kVA                     | kW     | kVA                     | kW     | kVA                                        | kW     | kVA                     | kW     | kVA                     | kW     |
| UCM224C                   | 44.7                     | 35.7   | 43.1                    | 34.4   | 37.5                    | 30.0   | 47.8                                       | 38.2   | 43.3                    | 34.6   | 38.1                    | 30.4   |
| UCM224D                   | 54.3                     | 43.4   | 51.3                    | 41.0   | 46.3                    | 37.0   | 55.9                                       | 44.7   | 52.8                    | 42.2   | 47.7                    | 38.1   |
| UCM224E                   | 63.0                     | 50.4   | 58.8                    | 47.0   | 52.5                    | 42.0   | 64.9                                       | 51.9   | 60.6                    | 48.4   | 54.1                    | 43.2   |
| UCM224F                   | 75.6                     | 60.4   | 71.9                    | 57.5   | 62.5                    | 50.0   | 77.9                                       | 62.3   | 74.1                    | 59.2   | 64.4                    | 51.5   |
| UCM224G                   | 91.0                     | 72.8   | 81.3                    | 65.0   | 75.0                    | 60.0   | 93.7                                       | 74.9   | 83.7                    | 66.9   | 77.3                    | 61.8   |
| UCM274C                   | 102.5                    | 82.0   | 97.5                    | 78.0   | 80.0                    | 64.0   | 105.6                                      | 84.4   | 100.4                   | 80.3   | 82.4                    | 65.9   |
| UCM274D                   | 120.0                    | 96.0   | 112.5                   | 90.0   | 92.5                    | 74.0   | 123.6                                      | 98.8   | 115.9                   | 92.7   | 95.3                    | 76.2   |
| UCM274E                   | 140.0                    | 112.0  | 137.5                   | 110.0  | 118.8                   | 95.0   | 144.2                                      | 115.3  | 141.6                   | 113.2  | 122.4                   | 97.9   |
| UCM274F                   | 167.5                    | 134.0  | 163.0                   | 130.4  | 143.8                   | 115.0  | 172.5                                      | 138.0  | 167.9                   | 134.3  | 148.1                   | 118.4  |
| UCM274G                   | 192.8                    | 154.2  | 189.0                   | 151.2  | 162.0                   | 129.6  | 198.6                                      | 158.8  | 194.7                   | 155.7  | 166.9                   | 133.5  |
| UCM274H                   | 221.3                    | 177.0  | 218.8                   | 175.0  | 200.0                   | 160.0  | 227.9                                      | 182.3  | 225.4                   | 180.3  | 206.0                   | 164.8  |
| S4L1M-C                   | 265.0                    | 212.0  | 250.0                   | 200.0  | 220.0                   | 176.0  | 273.0                                      | 218.4  | 258.0                   | 206.4  | 227.0                   | 181.6  |
| UCDM274K                  | 275.0                    | 220.0  | 270.0                   | 216.0  | 236.0                   | 188.8  | 283.0                                      | 226.4  | 278.1                   | 222.4  | 243.1                   | 194.4  |
| S4L1M-D                   | 320.0                    | 256.0  | 280.0                   | 224.0  | 250.0                   | 200.0  | 330.0                                      | 264.0  | 288.0                   | 230.4  | 258.0                   | 206.4  |
| S4L1M-E                   | 365.0                    | 292.0  | 340.0                   | 272.0  | 295.0                   | 236.0  | 376.0                                      | 300.8  | 350.0                   | 280.0  | 304.0                   | 243.2  |
| S4L1M-F                   | 415.0                    | 332.0  | 380.0                   | 304.0  | 335.0                   | 268.0  | 427.0                                      | 341.6  | 391.0                   | 312.8  | 345.0                   | 276.0  |
| HCM534C                   | 515.0                    | 412.0  | 475.0                   | 380.0  | 415.0                   | 332.0  | 531.0                                      | 424.8  | 489.0                   | 391.2  | 428.0                   | 342.4  |
| HCM534D                   | 545.0                    | 436.0  | 506.0                   | 404.8  | 445.0                   | 356.0  | 561.0                                      | 448.8  | 521.0                   | 416.8  | 458.0                   | 366.4  |
| HCM534E                   | 638.0                    | 510.4  | 594.0                   | 475.2  | 520.0                   | 416.0  | 657.0                                      | 525.6  | 612.0                   | 489.6  | 536.0                   | 428.8  |
| HCM534F                   | 706.0                    | 564.8  | 656.0                   | 524.8  | 578.0                   | 462.4  | 727.0                                      | 581.6  | 676.0                   | 540.8  | 595.0                   | 476.0  |
| S5L1M-C                   | 515.0                    | 412.0  | 475.0                   | 380.0  | 415.0                   | 332.0  | 530.5                                      | 424.4  | 489.3                   | 391.4  | 427.5                   | 342.0  |
| S5L1M-D                   | 545.0                    | 436.0  | 506.0                   | 404.8  | 445.0                   | 356.0  | 561.4                                      | 449.1  | 521.2                   | 416.9  | 458.4                   | 366.7  |
| S5L1M-E                   | 638.0                    | 510.4  | 594.0                   | 475.2  | 520.0                   | 416.0  | 657.1                                      | 525.6  | 611.8                   | 489.4  | 535.6                   | 428.4  |
| S5L1M-F                   | 706.0                    | 564.8  | 656.0                   | 524.8  | 578.0                   | 462.4  | 727.2                                      | 581.7  | 675.7                   | 540.5  | 595.3                   | 476.2  |
| S6L1M-C                   | 856.0                    | 684.8  | 800.0                   | 640.0  | 688.0                   | 550.4  | Please contact<br>applications@cummins.com |        |                         |        |                         |        |
| S6L1M-D                   | 969.0                    | 775.2  | 900.0                   | 720.0  | 781.0                   | 624.8  |                                            |        |                         |        |                         |        |
| S6L1M-E                   | 1113.0                   | 890.4  | 1038.0                  | 830.4  | 900.0                   | 720.0  |                                            |        |                         |        |                         |        |
| S6L1M-F                   | 1233.0                   | 986.4  | 1150.0                  | 920.0  | 1000.0                  | 800.0  |                                            |        |                         |        |                         |        |
| S6L1M-H                   | 1350.0                   | 1080.0 | 1225.0                  | 980.0  | 1194.0                  | 955.2  |                                            |        |                         |        |                         |        |
| S7L1M-C 1                 | 1608.0                   | 1286.4 | 1512.0                  | 1209.6 | 1337.0                  | 1069.6 | 1608.0                                     | 1286.4 | 1557.0                  | 1245.6 | 1377.0                  | 1101.6 |
| S7L1M-D W.1               | 1738.0                   | 1390.4 | 1612.0                  | 1289.6 | 1425.0                  | 1140.0 | 1790.0                                     | 1432.0 | 1660.0                  | 1328.0 | 1468.0                  | 1174.4 |
| S7L1M-E W.1               | 1787.0                   | 1429.6 | 1725.0                  | 1380.0 | 1525.0                  | 1220.0 | 1841.0                                     | 1472.8 | 1777.0                  | 1421.6 | 1571.0                  | 1256.8 |
| S7L1M-F W.1               | 1987.0                   | 1589.6 | 1844.0                  | 1475.2 | 1625.0                  | 1300.0 | 2047.0                                     | 1637.6 | 1899.0                  | 1519.2 | 1674.0                  | 1339.2 |
| S7L1M-G 1                 | 2244.0                   | 1795.2 | 2075.0                  | 1660.0 | 1837.0                  | 1469.6 | 2311.0                                     | 1848.8 | 2137.0                  | 1709.6 | 1892.0                  | 1513.6 |



## 4 POLE Three Phase



**Star\*** 460V  
**Parallel Star\*** 230V  
**Delta\*** 266V

**60Hz/1800rpm**  
**0.8 Power Factor**

2 of 2

| Winding<br>711/311/312/12 |     | TEMPERATURE RISE         |        |                         |        |                         |        |                                         |        |                         |        |                         |        |
|---------------------------|-----|--------------------------|--------|-------------------------|--------|-------------------------|--------|-----------------------------------------|--------|-------------------------|--------|-------------------------|--------|
|                           |     | 50 °C Ambient            |        |                         |        |                         |        | 45 °C Ambient                           |        |                         |        |                         |        |
|                           |     | Continuous<br>110/50 (H) |        | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |        | Continuous<br>110/45 (H)                |        | Continuous<br>90/45 (F) |        | Continuous<br>70/45 (B) |        |
| Model                     |     | kVA                      | kW     | kVA                     | kW     | kVA                     | kW     | kVA                                     | kW     | kVA                     | kW     | kVA                     | kW     |
| S7L1M-H                   | 1   | 2312.0                   | 1849.6 | 2200.0                  | 1760.0 | 1944.0                  | 1555.2 | 2381.0                                  | 1904.8 | 2266.0                  | 1812.8 | 2002.0                  | 1601.6 |
| S7L1M-J                   | W.1 | 2531.0                   | 2024.8 | 2363.0                  | 1890.4 | 2000.0                  | 1600.0 | 2607.0                                  | 2085.6 | 2434.0                  | 1947.2 | 2060.0                  | 1648.0 |
| S7L1M-K                   | W.1 | 2750.0                   | 2200.0 | 2500.0                  | 2000.0 | 2200.0                  | 1760.0 | Please contact applications@cummins.com |        |                         |        |                         |        |
| P80 LVSM804R              | 1   | 2350.0                   | 1880.0 | CC                      |        | 1696.0                  | 1356.8 | 2523.0                                  | 2018.4 | 2369.0                  | 1895.2 | 2028.1                  | 1622.5 |
| P80 LVSM804S              | 1   | 2825.0                   | 2260.0 | 2568.0                  | 2054.4 | 2199.0                  | 1759.2 | 2909.8                                  | 2327.8 | 2645.0                  | 2116.0 | 2265.0                  | 1812.0 |
| P80 LVSM804T              | 1   | 3087.0                   | 2469.6 | 2806.0                  | 2244.8 | 2403.0                  | 1922.4 | 3179.6                                  | 2543.7 | 2890.2                  | 2312.1 | 2475.1                  | 1980.1 |
| P80 LVSM804W              | 1   | 3493.0                   | 2794.4 | 3175.0                  | 2540.0 | 2719.0                  | 2175.2 | 3597.8                                  | 2878.2 | 3270.3                  | 2616.2 | 2800.6                  | 2240.5 |
| P80 LVSM804X              | 1   | 3765.0                   | 3012.0 | 3422.0                  | 2737.6 | 2930.0                  | 2344.0 | 3878.0                                  | 3102.4 | 3524.7                  | 2819.7 | 3017.9                  | 2414.3 |

1 - Star connection only

\* - Connection is applicable to winding 711/311 only

W - Water-cooled version available (S7L1W): 50°C ambient temperature ratings apply to an inlet water temperature of 38°C, 45°C ambient temperature ratings apply to an inlet water temperature of 33°C

CC - Please contact applications@cummins.com



## 4 POLE Three Phase



Star\* 480V  
 Parallel Star\* 240V  
 Delta\* 277V

60Hz/1800rpm  
 0.8 Power Factor

1 of 2

| Winding<br>711/311/312/12 | TEMPERATURE RISE                           |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
|---------------------------|--------------------------------------------|-------|-------------------------|-------|-------------------------|-------|--------------------------------------------|-------|-------------------------|-------|-------------------------|-------|
|                           | 50 °C Ambient                              |       |                         |       |                         |       | 45 °C Ambient                              |       |                         |       |                         |       |
|                           | Continuous<br>110/50 (H)                   |       | Continuous<br>90/50 (F) |       | Continuous<br>70/50 (B) |       | Continuous<br>110/45 (H)                   |       | Continuous<br>90/45 (F) |       | Continuous<br>70/45 (B) |       |
| Model                     | kVA                                        | kW    | kVA                     | kW    | kVA                     | kW    | kVA                                        | kW    | kVA                     | kW    | kVA                     | kW    |
| S0L2M-F                   | Please contact<br>applications@cummins.com |       |                         |       |                         |       | Please contact<br>applications@cummins.com |       |                         |       |                         |       |
| S0L2M-G                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S0L2M-M                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S0L2M-P                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-J                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-K                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-N                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-R                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| S1L2M-Y                   |                                            |       |                         |       |                         |       |                                            |       |                         |       |                         |       |
| UCM224D                   | 56.3                                       | 45.0  | 51.3                    | 41.0  | 46.3                    | 37.0  |                                            |       |                         |       |                         |       |
| UCM224D                   | 56.3                                       | 45.0  | 51.3                    | 41.0  | 46.3                    | 37.0  |                                            |       |                         |       |                         |       |
| UCM224E                   | 66.0                                       | 52.8  | 58.8                    | 47.0  | 52.5                    | 42.0  |                                            |       |                         |       |                         |       |
| UCM224F                   | 80.0                                       | 64.0  | 71.9                    | 57.5  | 62.5                    | 50.0  |                                            |       |                         |       |                         |       |
| UCM224G                   | 92.0                                       | 73.6  | 81.3                    | 65.0  | 75.0                    | 60.0  |                                            |       |                         |       |                         |       |
| UCM274C                   | 108.8                                      | 87.0  | 97.5                    | 78.0  | 80.0                    | 64.0  | 112.1                                      | 89.6  | 100.4                   | 80.3  | 82.4                    | 65.9  |
| UCM274D                   | 125.0                                      | 100.0 | 112.5                   | 90.0  | 92.5                    | 74.0  | 128.8                                      | 103.0 | 115.9                   | 92.7  | 95.3                    | 76.2  |
| UCM274E                   | 144.0                                      | 115.2 | 137.5                   | 110.0 | 118.8                   | 95.0  | 148.3                                      | 118.6 | 141.6                   | 113.2 | 122.4                   | 97.9  |
| UCM274F                   | 168.8                                      | 135.0 | 163.0                   | 130.4 | 143.8                   | 115.0 | 173.9                                      | 139.1 | 167.9                   | 134.3 | 148.1                   | 118.4 |
| UCM274G                   | 205.7                                      | 164.5 | 189.0                   | 151.2 | 162.0                   | 129.6 | 211.9                                      | 169.5 | 194.7                   | 155.7 | 166.9                   | 133.5 |
| UCM274H                   | 225.0                                      | 180.0 | 218.8                   | 175.0 | 200.0                   | 160.0 | 231.8                                      | 185.4 | 225.4                   | 180.3 | 206.0                   | 164.8 |
| S4L1M-C                   | 270.0                                      | 216.0 | 255.0                   | 204.0 | 225.0                   | 180.0 | 278.0                                      | 222.4 | 263.0                   | 210.4 | 232.0                   | 185.6 |
| UCDM274K                  | 285.0                                      | 228.0 | 265.0                   | 212.0 | 230.0                   | 184.0 | 293.6                                      | 234.8 | 273.0                   | 218.4 | 236.9                   | 189.5 |
| S4L1M-D                   | 330.0                                      | 264.0 | 295.0                   | 236.0 | 260.0                   | 208.0 | 340.0                                      | 272.0 | 304.0                   | 243.2 | 268.0                   | 214.4 |
| S4L1M-E                   | 370.0                                      | 296.0 | 345.0                   | 276.0 | 305.0                   | 244.0 | 381.0                                      | 304.8 | 355.0                   | 284.0 | 314.0                   | 251.2 |
| S4L1M-F                   | 425.0                                      | 340.0 | 395.0                   | 316.0 | 345.0                   | 276.0 | 438.0                                      | 350.4 | 407.0                   | 325.6 | 355.0                   | 284.0 |
| HCM534C                   | 520.0                                      | 416.0 | 481.0                   | 384.8 | 420.0                   | 336.0 | 536.0                                      | 428.8 | 495.0                   | 396.0 | 433.0                   | 346.4 |
| HCM534D                   | 570.0                                      | 456.0 | 531.0                   | 424.8 | 465.0                   | 372.0 | 587.0                                      | 469.6 | 547.0                   | 437.6 | 479.0                   | 383.2 |
| HCM534E                   | 650.0                                      | 520.0 | 606.0                   | 484.8 | 530.0                   | 424.0 | 670.0                                      | 536.0 | CC                      |       | 546.0                   | 436.8 |
| HCM534F                   | 725.0                                      | 580.0 | 663.0                   | 530.4 | 582.0                   | 465.6 | 747.0                                      | 597.6 | 683.0                   | 546.4 | 600.0                   | 480.0 |
| S5L1M-C                   | 520.0                                      | 416.0 | 481.0                   | 384.8 | 420.0                   | 336.0 | 535.6                                      | 428.4 | 495.4                   | 396.3 | 432.6                   | 346.0 |
| S5L1M-D                   | 570.0                                      | 456.0 | 531.0                   | 424.8 | 465.0                   | 372.0 | 587.1                                      | 469.6 | 546.9                   | 437.5 | 479.0                   | 383.2 |
| S5L1M-E                   | 650.0                                      | 520.0 | 606.0                   | 484.8 | 530.0                   | 424.0 | 669.5                                      | 535.6 | 624.2                   | 499.3 | 545.9                   | 436.7 |
| S5L1M-F                   | 725.0                                      | 580.0 | 663.0                   | 530.4 | 582.0                   | 465.6 | 746.8                                      | 597.4 | 682.9                   | 546.3 | 599.5                   | 479.6 |
| S6L1M-C                   | 875.0                                      | 700.0 | 819.0                   | 655.2 | 712.0                   | 569.6 | Please contact applications@cummins.com    |       |                         |       |                         |       |



## 4 POLE Three Phase



**Star\*** 480V  
**Parallel Star\*** 240V  
**Delta\*** 277V

**60Hz/1800rpm**  
**0.8 Power Factor**

2 of 2

| Winding<br>711/311/312/12 |        | TEMPERATURE RISE         |        |                         |        |                         |                                            |                          |        |                         |        |                         |  |
|---------------------------|--------|--------------------------|--------|-------------------------|--------|-------------------------|--------------------------------------------|--------------------------|--------|-------------------------|--------|-------------------------|--|
|                           |        | 50 °C Ambient            |        |                         |        |                         |                                            | 45 °C Ambient            |        |                         |        |                         |  |
|                           |        | Continuous<br>110/50 (H) |        | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |                                            | Continuous<br>110/45 (H) |        | Continuous<br>90/45 (F) |        | Continuous<br>70/45 (B) |  |
| Model                     | kVA    | kW                       | kVA    | kW                      | kVA    | kW                      | kVA                                        | kW                       | kVA    | kW                      | kVA    | kW                      |  |
| S6L1M-D                   | 994.0  | 795.2                    | 925.0  | 740.0                   | 800.0  | 640.0                   | Please contact<br>applications@cummins.com |                          |        |                         |        |                         |  |
| S6L1M-E                   | 1150.0 | 920.0                    | 1063.0 | 850.4                   | 925.0  | 740.0                   |                                            |                          |        |                         |        |                         |  |
| S6L1M-F                   | 1270.0 | 1016.0                   | 1150.0 | 920.0                   | 1010.0 | 808.0                   |                                            |                          |        |                         |        |                         |  |
| S6L1M-H                   | 1462.0 | 1169.6                   | 1281.0 | 1024.8                  | 1219.0 | 975.2                   |                                            |                          |        |                         |        |                         |  |
| S7L1M-C 1                 | 1669.0 | 1335.2                   | 1544.0 | 1235.2                  | 1362.0 | 1089.6                  | 1719.0                                     | 1375.2                   | 1590.0 | 1272.0                  | 1403.0 | 1122.4                  |  |
| S7L1M-D W.1               | 1781.0 | 1424.8                   | 1650.0 | 1320.0                  | 1450.0 | 1160.0                  | 1834.0                                     | 1467.2                   | 1700.0 | 1360.0                  | 1494.0 | 1195.2                  |  |
| S7L1M-E W.1               | 1875.0 | 1500.0                   | 1790.0 | 1432.0                  | 1575.0 | 1260.0                  | 1931.0                                     | 1544.8                   | 1844.0 | 1475.2                  | 1622.0 | 1297.6                  |  |
| S7L1M-F W.1               | 2025.0 | 1620.0                   | 1875.0 | 1500.0                  | 1656.0 | 1324.8                  | 2086.0                                     | 1668.8                   | 1931.0 | 1544.8                  | 1706.0 | 1364.8                  |  |
| S7L1M-G 1                 | 2288.0 | 1830.4                   | 2125.0 | 1700.0                  | 1875.0 | 1500.0                  | 2357.0                                     | 1885.6                   | 2189.0 | 1751.2                  | 1931.0 | 1544.8                  |  |
| S7L1M-H 1                 | 2425.0 | 1940.0                   | 2250.0 | 1800.0                  | 1981.0 | 1584.8                  | 2498.0                                     | 1998.4                   | 2318.0 | 1854.4                  | 2040.0 | 1632.0                  |  |
| S7L1M-J W.1               | 2644.0 | 2115.2                   | 2475.0 | 1980.0                  | 2088.0 | 1670.4                  | 2723.0                                     | 2178.4                   | 2549.0 | 2039.2                  | 2151.0 | 1720.8                  |  |
| S7L1M-K W.1               | 2900.0 | 2320.0                   | 2700.0 | 2160.0                  | 2350.0 | 1880.0                  | Please contact applications@cummins.com    |                          |        |                         |        |                         |  |
| P80 LVSM804R 1            | 2640.0 | 2112.0                   | 2400.0 | 1920.0                  | 2055.0 | 1644.0                  | 2719.2                                     | 2175.4                   | 2472.0 | 1977.6                  | 2116.7 | 1693.3                  |  |
| P80 LVSM804S 1            | 2948.0 | 2358.4                   | 2680.0 | 2144.0                  | 2295.0 | 1836.0                  | 3036.4                                     | 2429.2                   | 2760.4 | 2208.3                  | 2363.9 | 1891.1                  |  |
| P80 LVSM804T 1            | 3221.0 | 2576.8                   | 2928.0 | 2342.4                  | 2507.0 | 2005.6                  | 3317.6                                     | 2654.1                   | 3015.8 | 2412.7                  | 2582.2 | 2065.8                  |  |
| P80 LVSM804W 1            | 3645.0 | 2916.0                   | 3314.0 | 2651.2                  | 2837.0 | 2269.6                  | 3754.4                                     | 3003.5                   | 3413.4 | 2730.7                  | 2922.1 | 2337.7                  |  |
| P80 LVSM804X 1            | 3928.0 | 3142.4                   | 3471.0 | 2776.8                  | 3058.0 | 2446.4                  | 4045.8                                     | 3236.7                   | 3575.1 | 2860.1                  | 3149.7 | 2519.8                  |  |

1 - Star connection only

\* - Connection is applicable to winding 711/311 only

W - Water-cooled version available (S7L1W): 50°C ambient temperature ratings apply to an inlet water temperature of 38°C, 45°C ambient temperature ratings apply to an inlet water temperature of 33°C

CC - Please contact applications@cummins.com



## 4 POLE Three Phase



**Star\*** 600V  
**Parallel Star\*** 300V  
**Delta\*** 346V

**60Hz/1800rpm**  
**0.8 Power Factor**

1 of 2

| Winding<br>07/17 | TEMPERATURE RISE         |        |                         |        |                         |        |                                            |        |                         |        |                         |        |        |
|------------------|--------------------------|--------|-------------------------|--------|-------------------------|--------|--------------------------------------------|--------|-------------------------|--------|-------------------------|--------|--------|
|                  | 50 °C Ambient            |        |                         |        |                         |        | 45 °C Ambient                              |        |                         |        |                         |        |        |
|                  | Continuous<br>110/50 (H) |        | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |        | Continuous<br>110/45 (H)                   |        | Continuous<br>90/45 (F) |        | Continuous<br>70/45 (B) |        |        |
| Model            | kVA                      | kW     | kVA                     | kW     | kVA                     | kW     | kVA                                        | kW     | kVA                     | kW     | kVA                     | kW     |        |
| UCM224C          | 46.5                     | 37.2   | 43.1                    | 34.4   | 37.5                    | 30.0   | 47.9                                       | 38.3   | 44.4                    | 35.5   | 38.6                    | 30.8   |        |
| UCM224D          | 56.3                     | 45.0   | 51.3                    | 41.0   | 46.3                    | 37.0   | 55.9                                       | 44.7   | 52.8                    | 42.2   | 47.7                    | 38.1   |        |
| UCM224E          | 66.0                     | 52.8   | 58.8                    | 47.0   | 52.5                    | 42.0   | 64.9                                       | 51.9   | 58.0                    | 46.4   | 51.5                    | 41.2   |        |
| UCM224F          | 80.0                     | 64.0   | 71.9                    | 57.5   | 62.5                    | 50.0   | 74.7                                       | 59.7   | 70.9                    | 56.7   | 61.2                    | 48.9   |        |
| UCM224G          | 92.0                     | 73.6   | 81.3                    | 65.0   | 75.0                    | 60.0   | 93.7                                       | 74.9   | 87.3                    | 69.8   | 77.3                    | 61.8   |        |
| UCM274C          | 106.3                    | 85.0   | 95.0                    | 76.0   | 82.0                    | 65.6   | 109.5                                      | 87.6   | 97.9                    | 78.3   | 84.5                    | 67.6   |        |
| UCM274D          | 125.0                    | 100.0  | 112.5                   | 90.0   | 92.5                    | 74.0   | 128.8                                      | 103.0  | 115.9                   | 92.7   | 95.3                    | 76.2   |        |
| UCM274E          | 144.0                    | 115.2  | 137.5                   | 110.0  | 118.8                   | 95.0   | 148.3                                      | 118.6  | 141.6                   | 113.2  | 122.4                   | 97.9   |        |
| UCM274F          | 168.8                    | 135.0  | 163.0                   | 130.4  | 143.8                   | 115.0  | 173.9                                      | 139.1  | 167.9                   | 134.3  | 148.1                   | 118.4  |        |
| UCM274G          | 200.0                    | 160.0  | 181.0                   | 144.8  | 157.5                   | 126.0  | 206.0                                      | 164.8  | 186.4                   | 149.1  | 162.2                   | 129.7  |        |
| UCM274H          | 225.0                    | 180.0  | 218.8                   | 175.0  | 200.0                   | 160.0  | 231.8                                      | 185.4  | 225.4                   | 180.3  | 206.0                   | 164.8  |        |
| UCDM274J         | 269.0                    | 215.2  | 261.0                   | 208.8  | 239.0                   | 191.2  | 278.1                                      | 222.4  | 262.7                   | 210.1  | 231.8                   | 185.4  |        |
| S4L1M-C          | 270.0                    | 216.0  | 255.0                   | 204.0  | 225.0                   | 180.0  | 277.0                                      | 221.6  | 269.0                   | 215.2  | 246.0                   | 196.8  |        |
| S4L1M-D          | 330.0                    | 264.0  | 295.0                   | 236.0  | 260.0                   | 208.0  | 334.0                                      | 267.2  | 304.0                   | 243.2  | 268.0                   | 214.4  |        |
| S4L1M-E          | 370.0                    | 296.0  | 345.0                   | 276.0  | 305.0                   | 244.0  | 381.0                                      | 304.8  | 356.0                   | 284.8  | 314.0                   | 251.2  |        |
| S4L1M-F          | 425.0                    | 340.0  | 395.0                   | 316.0  | 345.0                   | 276.0  | 438.0                                      | 350.4  | 407.0                   | 325.6  | 355.0                   | 284.0  |        |
| HCM534C          | 500.0                    | 400.0  | 460.0                   | 368.0  | 400.0                   | 320.0  | 515.0                                      | 412.0  | 474.0                   | 379.2  | 412.0                   | 329.6  |        |
| HCM534D          | 570.0                    | 456.0  | 531.0                   | 424.8  | 465.0                   | 372.0  | 587.0                                      | 469.6  | 547.0                   | 437.6  | 479.0                   | 383.2  |        |
| HCM534E          | 638.0                    | 510.4  | 590.0                   | 472.0  | 510.0                   | 408.0  | 657.0                                      | 525.6  | 608.0                   | 486.4  | 525.0                   | 420.0  |        |
| HCM534F          | 725.0                    | 580.0  | 663.0                   | 530.4  | 582.0                   | 465.6  | 747.0                                      | 597.6  | 683.0                   | 546.4  | 599.0                   | 479.2  |        |
| S5L1M-C          | 500.0                    | 400.0  | 460.0                   | 368.0  | 400.0                   | 320.0  | 515.0                                      | 412.0  | 473.8                   | 379.0  | 412.0                   | 329.6  |        |
| S5L1M-D          | 570.0                    | 456.0  | 531.0                   | 424.8  | 465.0                   | 372.0  | 587.1                                      | 469.6  | 546.9                   | 437.5  | 479.0                   | 383.2  |        |
| S5L1M-E          | 638.0                    | 510.4  | 590.0                   | 472.0  | 510.0                   | 408.0  | 657.1                                      | 525.6  | 607.7                   | 486.1  | 525.3                   | 420.2  |        |
| S5L1M-F          | 725.0                    | 580.0  | 663.0                   | 530.4  | 582.0                   | 465.6  | 746.8                                      | 597.4  | 682.9                   | 546.3  | 599.5                   | 479.6  |        |
| S6L1M-C          | 875.0                    | 700.0  | 819.0                   | 655.2  | 712.0                   | 569.6  | Please contact<br>applications@cummins.com |        |                         |        |                         |        |        |
| S6L1M-D          | 931.0                    | 744.8  | 863.0                   | 690.4  | 750.0                   | 600.0  |                                            |        |                         |        |                         |        |        |
| S6L1M-E          | 1150.0                   | 920.0  | 1063.0                  | 850.4  | 925.0                   | 740.0  |                                            |        |                         |        |                         |        |        |
| S6L1M-F          | 1275.0                   | 1020.0 | 1176.0                  | 940.8  | 1010.0                  | 808.0  |                                            |        |                         |        |                         |        |        |
| S6L1M-H          | 1500.0                   | 1200.0 | 1280.0                  | 1024.0 | 1215.0                  | 972.0  |                                            |        |                         |        |                         |        |        |
| S7L1M-C          | 1                        | 1669.0 | 1335.2                  | 1544.0 | 1235.2                  | 1362.0 | 1089.6                                     | 1719.0 | 1375.2                  | 1590.0 | 1272.0                  | 1403.0 | 1122.4 |
| S7L1M-D          | 1                        | 1781.0 | 1424.8                  | 1650.0 | 1320.0                  | 1450.0 | 1160.0                                     | 1834.0 | 1467.2                  | 1700.0 | 1360.0                  | 1494.0 | 1195.2 |
| S7L1M-E          | 1                        | 1869.0 | 1495.2                  | 1713.0 | 1370.4                  | 1531.0 | 1224.8                                     | 1925.0 | 1540.0                  | 1764.0 | 1411.2                  | 1577.0 | 1261.6 |
| S7L1M-F          | 1                        | 2025.0 | 1620.0                  | 1875.0 | 1500.0                  | 1656.0 | 1324.8                                     | 2086.0 | 1668.8                  | 1931.0 | 1544.8                  | 1706.0 | 1364.8 |
| S7L1M-G          | 1                        | 2288.0 | 1830.4                  | 2125.0 | 1700.0                  | 1875.0 | 1500.0                                     | 2357.0 | 1885.6                  | 2189.0 | 1751.2                  | 1931.0 | 1544.8 |



## 4 POLE Three Phase



**Star** 600V  
**Parallel Star** 300V  
**Delta** 346V

**60Hz/1800rpm**  
**0.8 Power Factor**

2 of 2

| Winding<br>711/311/312/12 |   | TEMPERATURE RISE         |        |                         |        |                         |        |                          |        |                         |        |                         |        |
|---------------------------|---|--------------------------|--------|-------------------------|--------|-------------------------|--------|--------------------------|--------|-------------------------|--------|-------------------------|--------|
|                           |   | 50 °C Ambient            |        |                         |        |                         |        | 45 °C Ambient            |        |                         |        |                         |        |
|                           |   | Continuous<br>110/50 (H) |        | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |        | Continuous<br>110/45 (H) |        | Continuous<br>90/45 (F) |        | Continuous<br>70/45 (B) |        |
| Model                     |   | kVA                      | kW     | kVA                     | kW     | kVA                     | kW     | kVA                      | kW     | kVA                     | kW     | kVA                     | kW     |
| S7L1M-H                   | 1 | 2425.0                   | 1940.0 | 2250.0                  | 1800.0 | 1981.0                  | 1584.8 | 2498.0                   | 1998.4 | 2318.0                  | 1854.4 | 2040.0                  | 1632.0 |
| P80 LVSM804S              | 1 | 2737.0                   | 2189.6 | 2488.0                  | 1990.4 | 2130.0                  | 1704.0 | 2819.1                   | 2255.3 | 2562.6                  | 2050.1 | 2193.9                  | 1755.1 |
| P80 LVSM804W              | 1 | 3645.0                   | 2916.0 | 3314.0                  | 2651.2 | 2837.0                  | 2269.6 | 3754.4                   | 3003.5 | 3413.4                  | 2730.7 | 2922.1                  | 2337.7 |
| P80 LVSM804X              | 1 | 3928.0                   | 3142.4 | 3571.0                  | 2856.8 | 3058.0                  | 2446.4 | 4045.8                   | 3236.7 | 3678.1                  | 2942.5 | 3149.7                  | 2519.8 |

1 - Star connection only

\* - Connection is applicable only to winding 17

CC - Please contact applications@cummins.com



# 4 POLE Three Phase



**Star\*** 660V-690V  
**Parallel Star\*** 330V-345V  
**Delta\*** 380V-400V

**60Hz/1800rpm**  
**0.8 Power Factor**

| Winding<br>27/28 | TEMPERATURE RISE         |        |                         |        |                         |        |                                            |        |                         |        |                         |        |
|------------------|--------------------------|--------|-------------------------|--------|-------------------------|--------|--------------------------------------------|--------|-------------------------|--------|-------------------------|--------|
|                  | 50 °C Ambient            |        |                         |        |                         |        | 45 °C Ambient                              |        |                         |        |                         |        |
|                  | Continuous<br>110/50 (H) |        | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |        | Continuous<br>110/45 (H)                   |        | Continuous<br>90/45 (F) |        | Continuous<br>70/45 (B) |        |
| Model            | kVA                      | kW     | kVA                     | kW     | kVA                     | kW     | kVA                                        | kW     | kVA                     | kW     | kVA                     | kW     |
| UCM274E          | 140.0                    | 112.0  | 125.0                   | 100.0  | 110.0                   | 88.0   | Please contact<br>applications@cummins.com |        |                         |        |                         |        |
| UCM274H          | 223.0                    | 178.4  | 202.0                   | 161.6  | 178.0                   | 142.4  |                                            |        |                         |        |                         |        |
| S4L1M-C          | 290.0                    | 232.0  | 265.0                   | 212.0  | 230.0                   | 184.0  | 299.0                                      | 239.2  | 273.0                   | 218.4  | 237.0                   | 189.6  |
| S4L1M-D          | 315.0                    | 252.0  | 285.0                   | 228.0  | 255.0                   | 204.0  | 325.0                                      | 260.0  | 294.0                   | 235.2  | 263.0                   | 210.4  |
| S4L1M-E          | 360.0                    | 288.0  | 320.0                   | 256.0  | 290.0                   | 232.0  | 371.0                                      | 296.8  | 330.0                   | 264.0  | 299.0                   | 239.2  |
| S4L1M-F          | 440.0                    | 352.0  | 400.0                   | 320.0  | 350.0                   | 280.0  | 453.0                                      | 362.4  | 412.0                   | 329.6  | 361.0                   | 288.8  |
| HCM534C          | 510.0                    | 408.0  | 460.0                   | 368.0  | 406.0                   | 324.8  | 525.0                                      | 420.0  | 474.0                   | 379.2  | 418.0                   | 334.4  |
| HCM534D          | 556.0                    | 444.8  | 502.0                   | 401.6  | 443.0                   | 354.4  | 573.0                                      | 458.4  | 517.0                   | 413.6  | 456.0                   | 364.8  |
| HCM534E          | 672.0                    | 537.6  | 606.0                   | 484.8  | 535.0                   | 428.0  | 692.0                                      | 553.6  | 624.0                   | 499.2  | 551.0                   | 440.8  |
| HCM534F          | 695.0                    | 556.0  | 627.0                   | 501.6  | 554.0                   | 443.2  | 716.0                                      | 572.8  | 646.0                   | 516.8  | 571.0                   | 456.8  |
| S5L1M-C          | 510.0                    | 408.0  | 460.0                   | 368.0  | 406.0                   | 324.8  | 525.3                                      | 420.2  | 473.8                   | 379.0  | 418.2                   | 334.5  |
| S5L1M-D          | 556.0                    | 444.8  | 502.0                   | 401.6  | 443.0                   | 354.4  | 572.7                                      | 458.1  | 517.1                   | 413.6  | 456.3                   | 365.0  |
| S5L1M-E          | 672.0                    | 537.6  | 606.0                   | 484.8  | 535.0                   | 428.0  | 692.2                                      | 553.7  | 624.2                   | 499.3  | 551.1                   | 440.8  |
| S5L1M-F          | 695.0                    | 556.0  | 627.0                   | 501.6  | 554.0                   | 443.2  | 715.9                                      | 572.7  | 645.8                   | 516.6  | 570.6                   | 456.4  |
| S6L1M-C          | 885.0                    | 708.0  | 800.0                   | 640.0  | 705.0                   | 564.0  | Please contact<br>applications@cummins.com |        |                         |        |                         |        |
| S6L1M-F          | 1280.0                   | 1024.0 | 1160.0                  | 928.0  | 1020.0                  | 816.0  |                                            |        |                         |        |                         |        |
| S6L1M-H          | 1400.0                   | 1120.0 | 1270.0                  | 1016.0 | 1125.0                  | 900.0  |                                            |        |                         |        |                         |        |
| S7L1M-C 1        | 1619.0                   | 1295.2 | 1506.0                  | 1204.8 | 1325.0                  | 1060.0 | Please contact<br>applications@cummins.com |        |                         |        |                         |        |
| S7L1M-D 1        | 1630.0                   | 1304.0 | 1520.0                  | 1216.0 | 1355.0                  | 1084.0 |                                            |        |                         |        |                         |        |
| S7L1M-E 1        | 1775.0                   | 1420.0 | 1600.0                  | 1280.0 | 1455.0                  | 1164.0 |                                            |        |                         |        |                         |        |
| S7L1M-F 1        | 1925.0                   | 1540.0 | 1690.0                  | 1352.0 | 1495.0                  | 1196.0 | 1983.0                                     | 1586.4 | 1741.0                  | 1392.8 | 1540.0                  | 1232.0 |
| S7L1M-G 1        | 2169.0                   | 1735.2 | 2000.0                  | 1600.0 | 1744.0                  | 1395.2 | Please contact<br>applications@cummins.com |        |                         |        |                         |        |
| S7L1M-H 1        | 2300.0                   | 1840.0 | 2088.0                  | 1670.4 | 1856.0                  | 1484.8 |                                            |        |                         |        |                         |        |
| S7L1M-J 1        | 2500.0                   | 2000.0 | 2250.0                  | 1800.0 | 1900.0                  | 1520.0 |                                            |        |                         |        |                         |        |
| S7L1M-K 1        | 3000.0                   | 2400.0 | 2750.0                  | 2200.0 | 2500.0                  | 2000.0 | Please contact applications@cummins.com    |        |                         |        |                         |        |

1 - Star connection only

\* - Connection is applicable only to winding 27

CC - Please contact applications@cummins.com



## 6 POLE Three Phase



**Star** 380V-440V **50Hz/1000rpm**  
**Delta** 220V-254V **0.8 Power Factor**

| Winding<br>312 | TEMPERATURE RISE         |       |                         |       |                         |       |                                            |    |                         |    |
|----------------|--------------------------|-------|-------------------------|-------|-------------------------|-------|--------------------------------------------|----|-------------------------|----|
|                | 50 °C Ambient            |       |                         |       |                         |       | 45 °C Ambient                              |    |                         |    |
|                | Continuous<br>110/50 (H) |       | Continuous<br>90/50 (F) |       | Continuous<br>70/50 (B) |       | Continuous<br>110/45 (H)                   |    | Continuous<br>90/45 (F) |    |
| Model          | kVA                      | kW    | kVA                     | kW    | kVA                     | kW    | kVA                                        | kW | kVA                     | kW |
| HCM636G        | 250.0                    | 200.0 | 250.0                   | 200.0 | 220.0                   | 176.0 | Please contact<br>applications@cummins.com |    |                         |    |
| HCM636H        | 330.0                    | 264.0 | 330.0                   | 264.0 | 290.0                   | 232.0 |                                            |    |                         |    |
| HCM636J        | 400.0                    | 320.0 | 400.0                   | 320.0 | 350.0                   | 280.0 |                                            |    |                         |    |
| HCM636K        | 505.0                    | 404.0 | 505.0                   | 404.0 | 440.0                   | 352.0 |                                            |    |                         |    |

**Star** 416V **60Hz/1200rpm**  
**Delta** 240V **0.8 Power Factor**

| Winding<br>312 | TEMPERATURE RISE         |       |                         |       |                         |       |                                            |    |                         |    |
|----------------|--------------------------|-------|-------------------------|-------|-------------------------|-------|--------------------------------------------|----|-------------------------|----|
|                | 50 °C Ambient            |       |                         |       |                         |       | 45 °C Ambient                              |    |                         |    |
|                | Continuous<br>110/50 (H) |       | Continuous<br>90/50 (F) |       | Continuous<br>70/50 (B) |       | Continuous<br>110/45 (H)                   |    | Continuous<br>90/45 (F) |    |
| Model          | kVA                      | kW    | kVA                     | kW    | kVA                     | kW    | kVA                                        | kW | kVA                     | kW |
| HCM636G        | 294.0                    | 235.2 | 294.0                   | 235.2 | 250.0                   | 200.0 | Please contact<br>applications@cummins.com |    |                         |    |
| HCM636H        | 393.0                    | 314.4 | 388.0                   | 310.4 | 330.0                   | 264.0 |                                            |    |                         |    |
| HCM636J        | 475.0                    | 380.0 | 475.0                   | 380.0 | 405.0                   | 324.0 |                                            |    |                         |    |
| HCM636K        | 594.0                    | 475.2 | 594.0                   | 475.2 | 510.0                   | 408.0 |                                            |    |                         |    |



## 6 POLE Three Phase



**Star**  
**Delta**

440V-480V  
254V-277V

**60Hz/1200rpm**  
**0.8 Power Factor**

| Winding<br>312 | TEMPERATURE RISE         |       |                         |       |                         |       |                                            |    |                         |    |
|----------------|--------------------------|-------|-------------------------|-------|-------------------------|-------|--------------------------------------------|----|-------------------------|----|
|                | 50 °C Ambient            |       |                         |       |                         |       | 45 °C Ambient                              |    |                         |    |
|                | Continuous<br>110/50 (H) |       | Continuous<br>90/50 (F) |       | Continuous<br>70/50 (B) |       | Continuous<br>110/45 (H)                   |    | Continuous<br>90/45 (F) |    |
| Model          | kVA                      | kW    | kVA                     | kW    | kVA                     | kW    | kVA                                        | kW | kVA                     | kW |
| HCM636G        | 313.0                    | 250.4 | 313.0                   | 250.4 | 270.0                   | 216.0 | Please contact<br>applications@cummins.com |    |                         |    |
| HCM636H        | 415.0                    | 332.0 | 413.0                   | 330.4 | 350.0                   | 280.0 |                                            |    |                         |    |
| HCM636J        | 500.0                    | 400.0 | 500.0                   | 400.0 | 430.0                   | 344.0 |                                            |    |                         |    |
| HCM636K        | 625.0                    | 500.0 | 625.0                   | 500.0 | 535.0                   | 428.0 |                                            |    |                         |    |

**Star**

600V

**60Hz/1200rpm**  
**0.8 Power Factor**

| Winding<br>07 | TEMPERATURE RISE         |     |                         |       |                         |       |                                            |    |                         |    |
|---------------|--------------------------|-----|-------------------------|-------|-------------------------|-------|--------------------------------------------|----|-------------------------|----|
|               | 50 °C Ambient            |     |                         |       |                         |       | 45 °C Ambient                              |    |                         |    |
|               | Continuous<br>110/50 (H) |     | Continuous<br>90/50 (F) |       | Continuous<br>70/50 (B) |       | Continuous<br>110/45 (H)                   |    | Continuous<br>90/45 (F) |    |
| Model         | kVA                      | kW  | kVA                     | kW    | kVA                     | kW    | kVA                                        | kW | kVA                     | kW |
| HCM636G       | N/A                      | N/A | 313.0                   | 250.4 | 270.0                   | 216.0 | Please contact<br>applications@cummins.com |    |                         |    |
| HCM636H       | N/A                      | N/A | 413.0                   | 330.4 | 350.0                   | 280.0 |                                            |    |                         |    |
| HCM636J       | N/A                      | N/A | 500.0                   | 400.0 | 430.0                   | 344.0 |                                            |    |                         |    |
| HCM636K       | N/A                      | N/A | 625.0                   | 500.0 | 535.0                   | 428.0 |                                            |    |                         |    |



# 6 POLE Three Phase



## AvK A-Range

**Star** 380V-440V **50Hz/1000rpm**  
**Delta** 220V-254V **0.8 Power Factor**

| Winding<br>426 (5/6 Pitch) |     | TEMPERATURE RISE         |     |                         |      |                         |      |                                            |    |                         |    |                         |    |
|----------------------------|-----|--------------------------|-----|-------------------------|------|-------------------------|------|--------------------------------------------|----|-------------------------|----|-------------------------|----|
|                            |     | 50 °C Ambient            |     |                         |      |                         |      | 45 °C Ambient                              |    |                         |    |                         |    |
|                            |     | Continuous<br>110/50 (H) |     | Continuous<br>90/50 (F) |      | Continuous<br>70/50 (B) |      | Continuous<br>110/45 (H)                   |    | Continuous<br>90/45 (F) |    | Continuous<br>70/45 (B) |    |
| Model                      |     | kVA                      | kW  | kVA                     | kW   | kVA                     | kW   | kVA                                        | kW | kVA                     | kW | kVA                     | kW |
| A7L1M-D                    | W.1 | N/A                      | N/A | 960                     | 768  | 860                     | 688  | Please contact<br>applications@cummins.com |    |                         |    |                         |    |
| A7L1M-H                    | W.1 | N/A                      | N/A | 1200                    | 960  | 1080                    | 864  |                                            |    |                         |    |                         |    |
| A7L1M-J                    | W.1 | N/A                      | N/A | 1360                    | 1088 | 1220                    | 976  |                                            |    |                         |    |                         |    |
| A7L1M-K                    | W.1 | N/A                      | N/A | 1575                    | 1260 | 1420                    | 1136 |                                            |    |                         |    |                         |    |

**Star** 660V-690V **50Hz/1000rpm**  
**0.8 Power Factor**

| Winding<br>426 (5/6 Pitch) |   | TEMPERATURE RISE         |     |                         |        |                         |        |                                            |    |                         |    |                         |    |
|----------------------------|---|--------------------------|-----|-------------------------|--------|-------------------------|--------|--------------------------------------------|----|-------------------------|----|-------------------------|----|
|                            |   | 50 °C Ambient            |     |                         |        |                         |        | 45 °C Ambient                              |    |                         |    |                         |    |
|                            |   | Continuous<br>110/50 (H) |     | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |        | Continuous<br>110/45 (H)                   |    | Continuous<br>90/45 (F) |    | Continuous<br>70/45 (B) |    |
| Model                      |   | kVA                      | kW  | kVA                     | kW     | kVA                     | kW     | kVA                                        | kW | kVA                     | kW | kVA                     | kW |
| A7L1M-D                    | W | N/A                      | N/A | 980.0                   | 784.0  | 880.0                   | 704.0  | Please contact<br>applications@cummins.com |    |                         |    |                         |    |
| A7L1M-H                    | W | N/A                      | N/A | 1250.0                  | 1000.0 | 1125.0                  | 900.0  |                                            |    |                         |    |                         |    |
| A7L1M-J                    | W | N/A                      | N/A | 1400.0                  | 1120.0 | 1260.0                  | 1008.0 |                                            |    |                         |    |                         |    |
| A7L1M-K                    | W | N/A                      | N/A | 1625.0                  | 1300.0 | 1465.0                  | 1172.0 |                                            |    |                         |    |                         |    |

1 - Star connection only

W - Water-cooled version available (A7L1W): 50°C ambient temperature ratings apply to an inlet water temperature of 38°C, 45°C ambient temperature ratings apply to an inlet water temperature of 33°C.



# 6 POLE Three Phase



**Star** 416V **60Hz/1200rpm**  
**Delta** 240V **0.8 Power Factor**

| Winding<br>412 (5/6 Pitch) |     | TEMPERATURE RISE         |     |                         |        |                         |        |                                            |    |                         |    |                         |    |
|----------------------------|-----|--------------------------|-----|-------------------------|--------|-------------------------|--------|--------------------------------------------|----|-------------------------|----|-------------------------|----|
|                            |     | 50 °C Ambient            |     |                         |        |                         |        | 45 °C Ambient                              |    |                         |    |                         |    |
|                            |     | Continuous<br>110/50 (H) |     | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |        | Continuous<br>110/45 (H)                   |    | Continuous<br>90/45 (F) |    | Continuous<br>70/45 (B) |    |
| Model                      |     | kVA                      | kW  | kVA                     | kW     | kVA                     | kW     | kVA                                        | kW | kVA                     | kW | kVA                     | kW |
| A7L1M-D                    | W.1 | N/A                      | N/A | 1040.0                  | 832.0  | 937.0                   | 749.6  | Please contact<br>applications@cummins.com |    |                         |    |                         |    |
| A7L1M-H                    | W.1 | N/A                      | N/A | 1300.0                  | 1040.0 | 1170.0                  | 936.0  |                                            |    |                         |    |                         |    |
| A7L1M-J                    | W.1 | N/A                      | N/A | 1475.0                  | 1180.0 | 1325.0                  | 1060.0 |                                            |    |                         |    |                         |    |
| A7L1M-K                    | W.1 | N/A                      | N/A | 1738.0                  | 1390.4 | 1563.0                  | 1250.4 |                                            |    |                         |    |                         |    |

**Star** 440V-480V **60Hz/1200rpm**  
**Delta** 254V-277V **0.8 Power Factor**

| Winding<br>412 (5/6 Pitch) |     | TEMPERATURE RISE         |     |                         |        |                         |         |                                            |    |                         |    |                         |    |
|----------------------------|-----|--------------------------|-----|-------------------------|--------|-------------------------|---------|--------------------------------------------|----|-------------------------|----|-------------------------|----|
|                            |     | 50 °C Ambient            |     |                         |        |                         |         | 45 °C Ambient                              |    |                         |    |                         |    |
|                            |     | Continuous<br>110/50 (H) |     | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |         | Continuous<br>110/45 (H)                   |    | Continuous<br>90/45 (F) |    | Continuous<br>70/45 (B) |    |
| Model                      |     | kVA                      | kW  | kVA                     | kW     | kVA                     | kW      | kVA                                        | kW | kVA                     | kW | kVA                     | kW |
| A7L1M-D                    | W.1 | N/A                      | N/A | 1100.0                  | 880.0  | 991.0                   | 792.8   | Please contact<br>applications@cummins.com |    |                         |    |                         |    |
| A7L1M-H                    | W.1 | N/A                      | N/A | 1375.0                  | 1100.0 | 1240.0                  | 992.0   |                                            |    |                         |    |                         |    |
| A7L1M-J                    | W.1 | N/A                      | N/A | 1562.0                  | 1249.0 | 1400.0                  | 1120.0  |                                            |    |                         |    |                         |    |
| A7L1M-K                    | W.1 | N/A                      | N/A | 1837.0                  | 1469.0 | 1650.0                  | 13200.0 |                                            |    |                         |    |                         |    |

1 - Star connection only

W - Water-cooled version available (A7L1W): 50°C ambient temperature ratings apply to an inlet water temperature of 38°C, 45°C ambient temperature ratings apply to an inlet water temperature of 33°C.



# 6 POLE Three Phase



Star

660V-690V

60Hz/1200rpm  
0.8 Power Factor

| Winding<br>428 (5/6 Pitch) |   | TEMPERATURE RISE         |     |                         |        |                         |        |                                            |    |                         |    |                         |    |
|----------------------------|---|--------------------------|-----|-------------------------|--------|-------------------------|--------|--------------------------------------------|----|-------------------------|----|-------------------------|----|
|                            |   | 50 °C Ambient            |     |                         |        |                         |        | 45 °C Ambient                              |    |                         |    |                         |    |
|                            |   | Continuous<br>110/50 (H) |     | Continuous<br>90/50 (F) |        | Continuous<br>70/50 (B) |        | Continuous<br>110/45 (H)                   |    | Continuous<br>90/45 (F) |    | Continuous<br>70/45 (B) |    |
| Model                      |   | kVA                      | kW  | kVA                     | kW     | kVA                     | kW     | kVA                                        | kW | kVA                     | kW | kVA                     | kW |
| A7L1M-D                    | W | N/A                      | N/A | 1120.0                  | 896.0  | 1010.0                  | 808.0  | Please contact<br>applications@cummins.com |    |                         |    |                         |    |
| A7L1M-H                    | W | N/A                      | N/A | 1500.0                  | 1200.0 | 1350.0                  | 1080.0 |                                            |    |                         |    |                         |    |
| A7L1M-J                    | W | N/A                      | N/A | 1700.0                  | 1360.0 | 1525.0                  | 1220.0 |                                            |    |                         |    |                         |    |
| A7L1M-K                    | W | N/A                      | N/A | 2000.0                  | 1600.0 | 1800.0                  | 1440.0 |                                            |    |                         |    |                         |    |

1 - Star connection only

W - Water-cooled version available (A7L1W): 50°C ambient temperature ratings apply to an inlet water temperature of 38°C, 45°C ambient temperature ratings apply to an inlet water temperature of 33°C.

## AvK D-Range

DSG and DIG product information is available from [www.stamdford-avk.com](http://www.stamdford-avk.com)

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