



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



Alternator Ratings Book  
Edition 7

**STAMFORD | AvK<sup>™</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



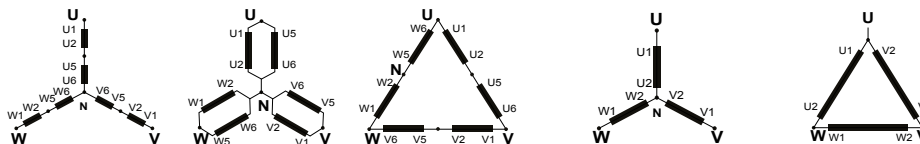
### NOTICE

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 NUMBER (3PHASE)	EXIT LEADS	SERIES STAR (PHASE-3)	PARALLEL STAR (PHASE-3)	SERIES DELTA (PHASE-3)	STAR (PHASE-3)	DELTA (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 (kW)	$\frac{\text{Volts} \times \text{Amps} \times PF}{1000}$	$\frac{\text{Volts} \times \text{Amps} \times PF \times \sqrt{3}}{1000}$
kilowatts electrical (kW)	$kVA \times PF$	$kVA \times PF$
kilowatts mechanical (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 (for Steady- Loads, from No- 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 drive alternator	$\frac{kW}{0.746 \times \text{Alternator Efficiency}}$	$\frac{kW}{0.746 \times \text{Alternator Efficiency}}$
First cycle RMS short 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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## 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 711/311/312/12	TEMPERATURE RISE											
	50 °C Ambient						45 °C Ambient					
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 70/45 (B)	
Model	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
S0L2M-F	14.0	11.2	12.7	10.1	11.2	8.9						
S0L2M-G	14.8	11.8	13.4	10.7	11.8	9.4						
S0L2M-M	18.5	14.8	16.7	13.3	14.7	11.7						
S0L2M-P	22.1	17.6	20.0	16.0	17.7	14.1						
S1L2M-J	28.3	22.6	25.7	20.5	22.6	18.0						
S1L2M-K	32.4	25.9	29.3	23.4	25.8	20.6						
S1L2M-N	33.6	26.8	30.4	24.3	26.8	21.4						
S1L2M-R	40.2	32.1	36.4	29.1	32.1	25.6						
S1L2M-Y	47.3	37.8	42.8	34.2	37.7	30.1						
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 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 711/311/312/12	TEMPERATURE RISE											
	50 °C Ambient						45 °C Ambient					
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 70/45 (B)	
Model	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
<b>S6L1M-D</b>	765.0	612.0	700.0	560.0	638.0	510.4	Please contact applications@cummins.com					
<b>S6L1M-E</b>	830.0	664.0	810.0	648.0	735.0	588.0						
<b>S6L1M-F</b>	930.0	744.0	900.0	720.0	790.0	632.0						
<b>S6L1M-H</b>	1040.0	832.0	955.0	764.0	955.0	764.0						
<b>S7L1M-C</b> 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
<b>S7L1M-D</b> 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
<b>S7L1M-E</b> 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
<b>S7L1M-F</b> 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
<b>S7L1M-G</b> 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
<b>S7L1M-H</b> 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
<b>S7L1M-J</b> 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
<b>S7L1M-K</b> W.1	2500.0	2000.0	2250.0	1800.0	2000.0	1600.0	Please contact applications@cummins.com					
<b>P80 LVSM804R</b> 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
<b>P80 LVSM804S</b> 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
<b>P80 LVSM804T</b> 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
<b>P80 LVSM804W</b> 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
<b>P80 LVSM804X</b> 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 711/311/312/12	TEMPERATURE RISE											
	50 °C Ambient						45 °C Ambient					
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 70/45 (B)	
Model	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
S0L2M-F	15.3	12.2	13.9	11.1	12.2	9.7						
S0L2M-G	16.2	12.9	14.7	11.7	12.9	10.3						
S0L2M-M	20.2	16.1	18.3	14.6	16.1	12.8						
S0L2M-P	24.2	19.3	21.9	17.5	19.3	15.4						
S1L2M-J	31.0	24.8	28.1	22.4	24.7	19.7						
S1L2M-K	35.4	28.3	32.0	25.6	28.3	22.6						
S1L2M-N	36.7	29.3	33.2	26.5	29.3	23.4						
S1L2M-R	44.0	35.2	39.8	31.8	35.1	28.0						
S1L2M-Y	51.7	41.3	46.8	37.4	41.3	33.0						
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 711/311/312/12	TEMPERATURE RISE											
	50 °C Ambient					45 °C Ambient						
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 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 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 711/311/312/12	TEMPERATURE RISE											
	50 °C Ambient						45 °C Ambient					
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 70/45 (B)	
Model	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
S0L2M-F	15.3	12.2	13.9	11.1	12.2	9.7						
S0L2M-G	16.2	12.9	14.7	11.7	12.9	10.3						
S0L2M-M	20.2	16.1	18.3	14.6	16.1	12.8						
S0L2M-P	24.2	19.3	21.9	17.5	19.3	15.4						
S1L2M-J	31.0	24.8	28.1	22.4	24.7	19.7						
S1L2M-K	35.4	28.3	32.0	25.6	28.3	22.6						
S1L2M-N	36.7	29.3	33.2	26.5	29.3	23.4						
S1L2M-R	44.0	35.2	39.8	31.8	35.1	28.0						
S1L2M-Y	51.7	41.3	46.8	37.4	41.3	33.0						
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 711/311/312/12	TEMPERATURE RISE											
	50 °C Ambient					45 °C Ambient						
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 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 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						
S7L1M-D W.1	1455.0	1164.0	1345.0	1076.0	1190.0	952.0	1406.0	1124.8	1303.0	1042.4	1148.0	918.4
S7L1M-E W.1	1540.0	1232.0	1370.0	1096.0	1280.0	1024.0	1499.0	1199.2	1385.0	1108.0	1226.0	980.8
S7L1M-F W.1	1675.0	1340.0	1490.0	1192.0	1370.0	1096.0	1586.0	1268.8	1411.0	1128.8	1318.0	1054.4
S7L1M-G 1	1830.0	1464.0	1640.0	1312.0	1495.0	1196.0	1725.0	1380.0	1535.0	1228.0	1411.0	1128.8
S7L1M-H 1	1980.0	1584.0	1795.0	1436.0	1585.0	1268.0	1885.0	1508.0	1689.0	1351.2	1540.0	1232.0
S7L1M-J W.1	2200.0	1760.0	1980.0	1584.0	1680.0	1344.0	2039.0	1631.2	1849.0	1479.2	1633.0	1306.4
S7L1M-K W.1	2400.0	1920.0	2150.0	1720.0	1900.0	1520.0	2266.0	1812.8	2039.0	1631.2	1730.0	1384.0
P80 LVSM804R 1	2121.0	1696.8	1928.0	1542.4	1651.0	1320.8	Please contact applications@cummins.com					
P80 LVSM804S 1	2455.0	1964.0	2232.0	1785.6	1911.0	1528.8	2185.0	1748.0	1986.0	1588.8	1701.0	1360.8
P80 LVSM804T 1	2684.0	2147.2	2440.0	1952.0	2089.0	1671.2	2529.0	2023.2	2299.0	1839.2	1968.0	1574.4
P80 LVSM804W 1	3128.0	2502.4	2844.0	2275.2	2435.0	1948.0	2765.0	2212.0	2513.0	2010.4	2152.0	1721.6
P80 LVSM804X 1	3442.0	2753.6	3129.0	2503.2	2679.0	2143.2	3222.0	2577.6	2929.0	2343.2	2508.0	2006.4
							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 711/311/312/12	TEMPERATURE RISE												
	50 °C Ambient						45 °C Ambient						
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 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 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 711/311/312/12	TEMPERATURE RISE											
	50 °C Ambient						45 °C Ambient					
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 70/45 (B)	
Model	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
<b>P80 LVSM804S</b> 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
<b>P80 LVSM804T</b> 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
<b>P80 LVSM804W</b> 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
<b>P80 LVSM804X</b> 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

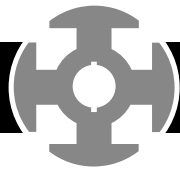


**Star\*** 660V-690V  
**Parallel Star\*** 330V-345V  
**Delta\*** 380V-400V

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

**1 of 2**

Winding 25/26/65	TEMPERATURE RISE																		
	50 °C Ambient						45 °C Ambient												
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 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 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 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	Please contact applications@cummins.com												
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 711/311/312/12	TEMPERATURE RISE											
	50 °C Ambient						45 °C Ambient					
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 70/45 (B)	
Model	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
<b>S7L1M-K</b> W.1	2500.0	2000.0	2250.0	1800.0	2000.0	1600.0	Please contact applications@cummins.com					
<b>P80 LVSM804T</b> 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
<b>P80 LVSM804W</b> 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
<b>P80 LVSM804Y</b> 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 13/14	TEMPERATURE RISE											
	50 °C Ambient						45 °C Ambient					
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 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 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	458.0	366.4	422.0	337.6	366.0	292.8
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 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 711/311/312/12	TEMPERATURE RISE											
	50 °C Ambient						45 °C Ambient					
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 70/45 (B)	
Model	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
S0L2M-F	16.7	13.3	15.1	12.0	13.4	10.7						
S0L2M-G	19.1	15.2	17.3	13.8	15.3	12.2						
S0L2M-M	23.3	18.6	21.0	16.8	18.6	14.8						
S0L2M-P	27.1	21.6	24.5	19.6	21.7	17.3						
S1L2M-J	32.6	26.0	29.5	23.6	26.1	20.8						
S1L2M-K	37.2	29.7	33.6	26.8	29.7	23.7						
S1L2M-N	42.6	34.0	38.5	30.8	34.0	27.2						
S1L2M-R	46.5	37.2	42.1	33.6	37.2	29.7						
S1L2M-Y	55.1	44.0	49.8	39.8	44.0	35.2						
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 711/311/312/12	TEMPERATURE RISE											
	50 °C Ambient						45 °C Ambient					
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 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 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 711/311/312/12	TEMPERATURE RISE											
	50 °C Ambient						45 °C Ambient					
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 70/45 (B)	
Model	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
S0L2M-F	17.7	14.1	16.0	12.8	14.2	11.3						
S0L2M-G	20.3	16.2	18.3	14.6	16.2	12.9						
S0L2M-M	24.6	19.6	22.3	17.8	19.7	15.7						
S0L2M-P	28.7	22.9	26.0	20.8	23.0	18.4						
S1L2M-J	34.5	27.6	31.2	24.9	27.6	22.0						
S1L2M-K	39.4	31.5	35.6	28.4	31.5	25.2						
S1L2M-N	45.1	36.0	40.8	32.6	36.0	28.8						
S1L2M-R	49.3	39.4	44.6	35.6	39.4	31.5						
S1L2M-Y	58.3	46.6	52.8	42.2	46.6	37.2						
UCM224C	44.7	35.7	41.9	33.5	36.3	29.0						
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](mailto:applications@cummins.com)

Please contact [applications@cummins.com](mailto:applications@cummins.com)



# 4 POLE Three Phase



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

60Hz/1800rpm  
 0.8 Power Factor

2 of 2

Winding 711/311/312/12	TEMPERATURE RISE											
	50 °C Ambient						45 °C Ambient					
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 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 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						
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**

Winding 711/311/312/12	TEMPERATURE RISE											
	50 °C Ambient						45 °C Ambient					
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 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 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	1608.0	1286.4	1512.0	1209.6	1337.0	1069.6						
S7L1M-D	1738.0	1390.4	1612.0	1289.6	1425.0	1140.0	1608.0	1286.4	1557.0	1245.6	1377.0	1101.6
S7L1M-E	1787.0	1429.6	1725.0	1380.0	1525.0	1220.0	1790.0	1432.0	1660.0	1328.0	1468.0	1174.4
S7L1M-F	1987.0	1589.6	1844.0	1475.2	1625.0	1300.0	1841.0	1472.8	1777.0	1421.6	1571.0	1256.8
S7L1M-G	2244.0	1795.2	2075.0	1660.0	1837.0	1469.6	2047.0	1637.6	1899.0	1519.2	1674.0	1339.2
							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 711/311/312/12	TEMPERATURE RISE											
	50 °C Ambient						45 °C Ambient					
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 70/45 (B)	
Model	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
<b>S7L1M-H</b> 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
<b>S7L1M-J</b> 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
<b>S7L1M-K</b> W.1	2750.0	2200.0	2500.0	2000.0	2200.0	1760.0	Please contact applications@cummins.com					
<b>P80 LVSM804R</b> 1	2350.0	1880.0	CC		1696.0	1356.8	2523.0	2018.4	2369.0	1895.2	2028.1	1622.5
<b>P80 LVSM804S</b> 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
<b>P80 LVSM804T</b> 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
<b>P80 LVSM804W</b> 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
<b>P80 LVSM804X</b> 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 711/311/312/12	TEMPERATURE RISE											
	50 °C Ambient						45 °C Ambient					
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 70/45 (B)	
Model	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
S0L2M-F	19.0	15.2	17.2	13.7	15.2	12.1						
S0L2M-G	21.7	17.3	19.6	15.6	17.3	13.8						
S0L2M-M	26.4	21.1	23.9	19.1	21.1	16.8						
S0L2M-P	30.8	24.6	27.9	22.3	24.6	19.6						
S1L2M-J	37.0	29.6	33.5	26.8	29.6	23.6						
S1L2M-K	42.2	33.7	38.2	30.5	33.7	26.9						
S1L2M-N	48.3	38.6	43.7	34.9	38.6	30.8						
S1L2M-R	52.8	42.2	47.8	38.2	42.2	33.7						
S1L2M-Y	62.5	50.0	56.5	45.2	50.0	40.0						
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						
UCM274D	125.0	100.0	112.5	90.0	92.5	74.0						
UCM274E	144.0	115.2	137.5	110.0	118.8	95.0						
UCM274F	168.8	135.0	163.0	130.4	143.8	115.0						
UCM274G	205.7	164.5	189.0	151.2	162.0	129.6						
UCM274H	225.0	180.0	218.8	175.0	200.0	160.0						
S4L1M-C	270.0	216.0	255.0	204.0	225.0	180.0						
UCDM274K	285.0	228.0	265.0	212.0	230.0	184.0						
S4L1M-D	330.0	264.0	295.0	236.0	260.0	208.0						
S4L1M-E	370.0	296.0	345.0	276.0	305.0	244.0						
S4L1M-F	425.0	340.0	395.0	316.0	345.0	276.0						
HCM534C	520.0	416.0	481.0	384.8	420.0	336.0						
HCM534D	570.0	456.0	531.0	424.8	465.0	372.0						
HCM534E	650.0	520.0	606.0	484.8	530.0	424.0						
HCM534F	725.0	580.0	663.0	530.4	582.0	465.6						
S5L1M-C	520.0	416.0	481.0	384.8	420.0	336.0						
S5L1M-D	570.0	456.0	531.0	424.8	465.0	372.0						
S5L1M-E	650.0	520.0	606.0	484.8	530.0	424.0						
S5L1M-F	725.0	580.0	663.0	530.4	582.0	465.6						
S6L1M-C	875.0	700.0	819.0	655.2	712.0	569.6						
							Please contact applications@cummins.com					
							112.1	89.6	100.4	80.3	82.4	65.9
							128.8	103.0	115.9	92.7	95.3	76.2
							148.3	118.6	141.6	113.2	122.4	97.9
							173.9	139.1	167.9	134.3	148.1	118.4
							211.9	169.5	194.7	155.7	166.9	133.5
							231.8	185.4	225.4	180.3	206.0	164.8
							278.0	222.4	263.0	210.4	232.0	185.6
							293.6	234.8	273.0	218.4	236.9	189.5
							340.0	272.0	304.0	243.2	268.0	214.4
							381.0	304.8	355.0	284.0	314.0	251.2
							438.0	350.4	407.0	325.6	355.0	284.0
							536.0	428.8	495.0	396.0	433.0	346.4
							587.0	469.6	547.0	437.6	479.0	383.2
							670.0	536.0	CC		546.0	436.8
							747.0	597.6	683.0	546.4	600.0	480.0
							535.6	428.4	495.4	396.3	432.6	346.0
							587.1	469.6	546.9	437.5	479.0	383.2
							669.5	535.6	624.2	499.3	545.9	436.7
							746.8	597.4	682.9	546.3	599.5	479.6
							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 711/311/312/12	TEMPERATURE RISE											
	50 °C Ambient						45 °C Ambient					
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 70/45 (B)	
Model	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
<b>S6L1M-D</b>	994.0	795.2	925.0	740.0	800.0	640.0	Please contact applications@cummins.com					
<b>S6L1M-E</b>	1150.0	920.0	1063.0	850.4	925.0	740.0						
<b>S6L1M-F</b>	1270.0	1016.0	1150.0	920.0	1010.0	808.0						
<b>S6L1M-H</b>	1462.0	1169.6	1281.0	1024.8	1219.0	975.2						
<b>S7L1M-C</b> 1	1669.0	1335.2	1544.0	1235.2	1362.0	1089.6						
<b>S7L1M-D</b> W.1	1781.0	1424.8	1650.0	1320.0	1450.0	1160.0	1719.0	1375.2	1590.0	1272.0	1403.0	1122.4
<b>S7L1M-E</b> W.1	1875.0	1500.0	1790.0	1432.0	1575.0	1260.0	1834.0	1467.2	1700.0	1360.0	1494.0	1195.2
<b>S7L1M-F</b> W.1	2025.0	1620.0	1875.0	1500.0	1656.0	1324.8	1931.0	1544.8	1844.0	1475.2	1622.0	1297.6
<b>S7L1M-G</b> 1	2288.0	1830.4	2125.0	1700.0	1875.0	1500.0	2086.0	1668.8	1931.0	1544.8	1706.0	1364.8
<b>S7L1M-H</b> 1	2425.0	1940.0	2250.0	1800.0	1981.0	1584.8	2357.0	1885.6	2189.0	1751.2	1931.0	1544.8
<b>S7L1M-J</b> W.1	2644.0	2115.2	2475.0	1980.0	2088.0	1670.4	2498.0	1998.4	2318.0	1854.4	2040.0	1632.0
<b>S7L1M-K</b> W.1	2900.0	2320.0	2700.0	2160.0	2350.0	1880.0	2723.0	2178.4	2549.0	2039.2	2151.0	1720.8
<b>P80 LVSM804R</b> 1	2640.0	2112.0	2400.0	1920.0	2055.0	1644.0	Please contact applications@cummins.com					
<b>P80 LVSM804S</b> 1	2948.0	2358.4	2680.0	2144.0	2295.0	1836.0	2719.2	2175.4	2472.0	1977.6	2116.7	1693.3
<b>P80 LVSM804T</b> 1	3221.0	2576.8	2928.0	2342.4	2507.0	2005.6	3036.4	2429.2	2760.4	2208.3	2363.9	1891.1
<b>P80 LVSM804W</b> 1	3645.0	2916.0	3314.0	2651.2	2837.0	2269.6	3317.6	2654.1	3015.8	2412.7	2582.2	2065.8
<b>P80 LVSM804X</b> 1	3928.0	3142.4	3471.0	2776.8	3058.0	2446.4	3754.4	3003.5	3413.4	2730.7	2922.1	2337.7
							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**

Winding 07/17	TEMPERATURE RISE												
	50 °C Ambient						45 °C Ambient						
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 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 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
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 711/311/312/12	TEMPERATURE RISE											
	50 °C Ambient						45 °C Ambient					
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 70/45 (B)	
Model	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
<b>S7L1M-H</b> 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
<b>P80 LVSM804S</b> 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
<b>P80 LVSM804W</b> 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
<b>P80 LVSM804X</b> 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 27/28	TEMPERATURE RISE											
	50 °C Ambient						45 °C Ambient					
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 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 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						
S4L1M-D	315.0	252.0	285.0	228.0	255.0	204.0	299.0	239.2	273.0	218.4	237.0	189.6
S4L1M-E	360.0	288.0	320.0	256.0	290.0	232.0	325.0	260.0	294.0	235.2	263.0	210.4
S4L1M-F	440.0	352.0	400.0	320.0	350.0	280.0	371.0	296.8	330.0	264.0	299.0	239.2
HCM534C	510.0	408.0	460.0	368.0	406.0	324.8	453.0	362.4	412.0	329.6	361.0	288.8
HCM534D	556.0	444.8	502.0	401.6	443.0	354.4	525.0	420.0	474.0	379.2	418.0	334.4
HCM534E	672.0	537.6	606.0	484.8	535.0	428.0	573.0	458.4	517.0	413.6	456.0	364.8
HCM534F	695.0	556.0	627.0	501.6	554.0	443.2	692.0	553.6	624.0	499.2	551.0	440.8
S5L1M-C	510.0	408.0	460.0	368.0	406.0	324.8	716.0	572.8	646.0	516.8	571.0	456.8
S5L1M-D	556.0	444.8	502.0	401.6	443.0	354.4	525.3	420.2	473.8	379.0	418.2	334.5
S5L1M-E	672.0	537.6	606.0	484.8	535.0	428.0	572.7	458.1	517.1	413.6	456.3	365.0
S5L1M-F	695.0	556.0	627.0	501.6	554.0	443.2	692.2	553.7	624.2	499.3	551.1	440.8
S6L1M-C	885.0	708.0	800.0	640.0	705.0	564.0	715.9	572.7	645.8	516.6	570.6	456.4
S6L1M-F	1280.0	1024.0	1160.0	928.0	1020.0	816.0	Please contact applications@cummins.com					
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						
S7L1M-D 1	1630.0	1304.0	1520.0	1216.0	1355.0	1084.0	1630.0	1304.0	1566.0	1252.8	1396.0	1116.8
S7L1M-E 1	1775.0	1420.0	1600.0	1280.0	1455.0	1164.0	1828.0	1462.4	1648.0	1318.4	1499.0	1199.2
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 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	2575.0	2060.0	2318.0	1854.4	1957.0	1565.6
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 312	TEMPERATURE RISE											
	50 °C Ambient				45 °C Ambient							
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 70/45 (B)	
Model	kVA	kW	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 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 312	TEMPERATURE RISE											
	50 °C Ambient				45 °C Ambient							
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 70/45 (B)	
Model	kVA	kW	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 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**                      440V-480V                      **60Hz/1200rpm**  
**Delta**                    254V-277V                    **0.8 Power Factor**

Winding 312	TEMPERATURE RISE											
	50 °C Ambient						45 °C Ambient					
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 70/45 (B)	
Model	kVA	kW	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 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 07	TEMPERATURE RISE											
	50 °C Ambient						45 °C Ambient					
	Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 70/45 (B)	
Model	kVA	kW	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 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



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

## AvK A-Range

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

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

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

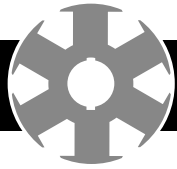
Winding 412 (5/6 Pitch)		TEMPERATURE RISE											
		50 °C Ambient						45 °C Ambient					
		Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 70/45 (B)	
Model		kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
<b>A7L1M-D</b>	W.1	N/A	N/A	1040.0	832.0	937.0	749.6	Please contact applications@cummins.com					
<b>A7L1M-H</b>	W.1	N/A	N/A	1300.0	1040.0	1170.0	936.0						
<b>A7L1M-J</b>	W.1	N/A	N/A	1475.0	1180.0	1325.0	1060.0						
<b>A7L1M-K</b>	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 412 (5/6 Pitch)		TEMPERATURE RISE											
		50 °C Ambient						45 °C Ambient					
		Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 70/45 (B)	
Model		kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW	kVA	kW
<b>A7L1M-D</b>	W.1	N/A	N/A	1100.0	880.0	991.0	792.8	Please contact applications@cummins.com					
<b>A7L1M-H</b>	W.1	N/A	N/A	1375.0	1100.0	1240.0	992.0						
<b>A7L1M-J</b>	W.1	N/A	N/A	1562.0	1249.0	1400.0	1120.0						
<b>A7L1M-K</b>	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 428 (5/6 Pitch)		TEMPERATURE RISE											
		50 °C Ambient						45 °C Ambient					
		Continuous 110/50 (H)		Continuous 90/50 (F)		Continuous 70/50 (B)		Continuous 110/45 (H)		Continuous 90/45 (F)		Continuous 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 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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