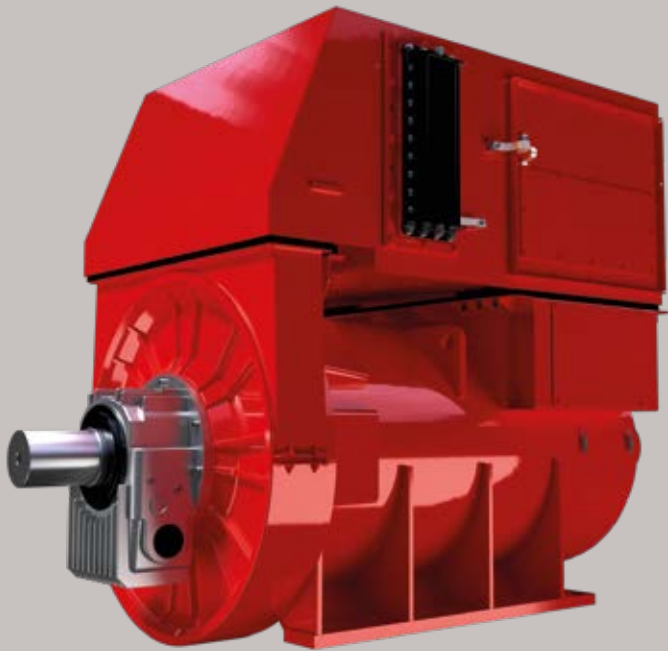


# Introducing: **STAMFORD®** S7 Water-Cooled Range

LOW VOLTAGE ALTERNATOR  
1425-2200 kVA 50 Hz AND 1781-2644 kVA 60Hz

**Flexibility | Uptime | Endurance**



**Driving innovation built on over 100 years of STAMFORD® and AvK® expertise.**

The latest addition to the STAMFORD® S7 alternator range, now with water-cooling for marine and industrial applications. This product covers a wide power range from 1110 to 2644 kVA with a range of voltages from 380-690V.

#### Flexible options

- Water-cooled
- Anti-friction bearing
- Sleeve bearing

#### Designed for endurance

- Class H insulation as standard for superior thermal life
- Anti-vibration mounts for high reliability
- Validated at high ambient temperatures

#### Uptime maximised

- Flexibility of applications usage including PTO (Power Take Off) and PTI (Power Take in)
- Meets a wide range of marine classifications including IP23 to IP54 and SOLAS
- Supports overload capability of 110% for every one in twelve hours (as per ISO8523)
- 3 x short circuit current handling capability

#### Peace of mind

- World-class service network in over 120 countries with unmatched support
- 24 hours dedicated service support
- Global aftermarket network to support regular parts availability
- Class-leading 3 years warranty
- Authenticity guarantee - hologram verification

# S7LV Marine Ratings 380-480V

4 Pole Alternator: 1500/1800 rpm (50Hz/60Hz)

## 50Hz

### Class B (70°C) Temperature Rise

Volts	380		400		415		440	
Model	kW	kVA	kW	kVA	kW	kVA	kW	kVA
S7L1W-D	920	1150	952	1190	952	1190	932	1165
S7L1W-E	992	1240	1024	1280	1024	1280	1004	1255
S7L1W-F	1060	1325	1096	1370	1096	1370	1072	1340
S7L1W-J	1310	1638	1344	1680	1344	1680	1260	1575

### Class F (90°C) Temperature Rise

Volts	380		400		415		440	
Model	kW	kVA	kW	kVA	kW	kVA	kW	kVA
S7L1W-D	1004	1255	1056	1320	1076	1345	1056	1320
S7L1W-E	1056	1320	1096	1370	1096	1370	1088	1360
S7L1W-F	1092	1365	1148	1435	1192	1490	1216	1520
S7L1W-J	1542	1928	1584	1980	1584	1980	1460	1826

### Class H (110°C) Temperature Rise

Volts	380		400		415		440	
Model	kW	kVA	kW	kVA	kW	kVA	kW	kVA
S7L1W-D	1140	1425	1164	1455	1164	1455	1144	1430
S7L1W-E	1200	1500	1232	1540	1232	1540	1212	1515
S7L1W-F	1300	1625	1340	1675	1340	1675	1320	1650
S7L1W-J	1708	2135	1760	2200	1760	2200	1600	2000

\* Windings 312

Ratings are based on Continuous, 50°C Ambient  
 Ratings are based on a water inlet temperature of 38°C  
 Ratings are preliminary and subject to change

## 60Hz

### Class B (70°C) Temperature Rise

Volts	416		440		460		480	
Model	kW	kVA	kW	kVA	kW	kVA	kW	kVA
S7L1W-D	1045	1306	1115	1394	1140	1425	1160	1450
S7L1W-E	1096	1370	1160	1450	1220	1525	1260	1575
S7L1W-F	1195	1494	1275	1594	1300	1625	1325	1656
S7L1W-J	1450	1812	1530	1913	1600	2000	1670	2088

### Class F (90°C) Temperature Rise

Volts	416		440		460		480	
Model	kW	kVA	kW	kVA	kW	kVA	kW	kVA
S7L1W-D	1185	1481	1265	1581	1290	1612	1320	1650
S7L1W-E	1240	1550	1320	1650	1380	1725	1432	1790
S7L1W-F	1355	1694	1440	1800	1475	1844	1500	1875
S7L1W-J	1710	2137	1815	2269	1890	2363	1980	2475

### Class H (110°C) Temperature Rise

Volts	416		440		460		480	
Model	kW	kVA	kW	kVA	kW	kVA	kW	kVA
S7L1W-D	1290	1612	1365	1706	1390	1738	1425	1781
S7L1W-E	1300	1625	1370	1712	1430	1787	1500	1875
S7L1W-F	1460	1825	1560	1950	1590	1987	1620	2025
S7L1W-J	1830	2288	1940	2425	2025	2531	2115	2644

\* Windings 312

## STAMFORD® Marine Products



P0 / P1



UC22 / UC27



S4 / S5 / S6



S7



P80

7.5kVA

5,000kVA

# S7LV Marine Ratings 660-690V

4 Pole Alternator: 1500/1800 rpm (50Hz/60Hz)

## 50Hz

**Class B (70°C) Temperature Rise**

Volts	660		690	
Model	kW	kVA	kW	kVA
S7L1W-D	960	1200	960	1200
S7L1W-E	992	1240	992	1240
S7L1W-F	1020	1275	1020	1275
S7L1W-J	1316	1645	1316	1645

**Class F (90°C) Temperature Rise**

Volts	660		690	
Model	kW	kVA	kW	kVA
S7L1W-D	1076	1345	1076	1345
S7L1W-E	1088	1360	1088	1360
S7L1W-F	1152	1440	1152	1440
S7L1W-J	1556	1945	1556	1945

**Class H (110°C) Temperature Rise**

Volts	660		690	
Model	kW	kVA	kW	kVA
S7L1W-D	1164	1455	1164	1455
S7L1W-E	1208	1510	1208	1510
S7L1W-F	1312	1640	1312	1640
S7L1W-J	1728	2160	1728	2160

\* Windings 26

Ratings are based on Continuous, 50°C Ambient  
 Ratings are based on a water inlet temperature of 38°C  
 Ratings are preliminary and subject to change

## 60Hz

**Class B (70°C) Temperature Rise**

Volts	660		690	
Model	kW	kVA	kW	kVA
S7L1W-D	1132	1415	1132	1415
S7L1W-E	1164	1455	1164	1455
S7L1W-F	1196	1495	1196	1495
S7L1W-J	1528	1910	1528	1910

**Class F (90°C) Temperature Rise**

Volts	660		690	
Model	kW	kVA	kW	kVA
S7L1W-D	1268	1585	1268	1585
S7L1W-E	1280	1600	1280	1600
S7L1W-F	1352	1690	1352	1690
S7L1W-J	1808	2260	1808	2260

**Class H (110°C) Temperature Rise**

Volts	660		690	
Model	kW	kVA	kW	kVA
S7L1W-D	1372	1715	1372	1715
S7L1W-E	1420	1775	1420	1775
S7L1W-F	1540	1925	1540	1925
S7L1W-J	2008	2510	2008	2510

\* Windings 28

## AvK® Marine Products



DSG 62



DSG 74



DSG 86



DSG 99



DSG 114



DSG 125

