OUR DIFFERENCE? THE DETAIL.

NOW WITH 3 YEARS WARRANTY

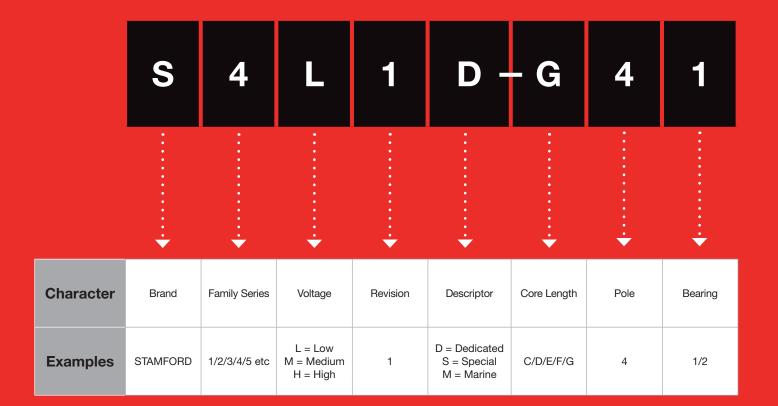




STAMFORD° S4

Fitted with CoreCooling™ technology

The S4 Nomenclature



The New **STAMFORD** S4 Dedicated





Product evolution through technological revolution.

Our new **CoreCooling**™ **technology** results in improved thermal performance and increased power density... it's in the detail.

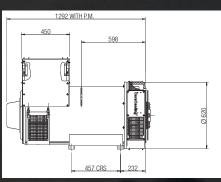
S4 Dedicated Ratings

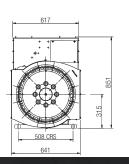
50Hz

Class H 125/40						
Winding Number			3	11		
Volts	380		400		415	
Model	kW	kVA	kW	kVA	kW	kVA
S4L1D-C4	200	250	208	260	208	260
S4L1D-D4	240	300	248	310	248	310
S4L1D-E4	280	350	288	360	288	360
S4L1D-F4	320	400	332	415	332	415
S4L1D-G4	344	430	360	450	360	450

Standby 150/40							
Winding Number	311						
Volts	380		400		415		
Model	kW	kVA	kW	kVA	kW	kVA	
S4L1D-C4	216	270	224	280	224	280	
S4L1D-D4	256	320	264	330	264	330	
S4L1D-E4	296	370	308	385	308	385	
S4L1D-F4	332	415	356	445	356	445	
S4L1D-G4	364	455	384	480	384	480	

Standby 163/27						
Winding Number	311					
Volts	380		400		4	15
Model	kW	kVA	kW	kVA	kW	kVA
S4L1D-C4	220	275	228	285	228	285
S4L1D-D4	264	330	272	340	272	340
S4L1D-E4	304	380	332	415	320	400
S4L1D-F4	340	425	372	465	364	455
S4L1D-G4	380	475	400	500	400	500





60Hz

Class H 125/40							
Winding Number	311						
Volts	416		440		480		
Model	kW	kVA	kW	kVA	kW	kVA	
S4L1D-C4	230	288	248	310	260	325	
S4L1D-D4	275	344	296	370	312	390	
S4L1D-E4	320	400	348	435	364	455	
S4L1D-F4	364	455	400	500	416	520	
S4L1D-G4	400	500	428	535	448	560	

Standby 150/40							
Winding Number	311						
Volts	416		440		480		
Model	kW	kVA	kW	kVA	kW	kVA	
S4L1D-C4	240	300	264	330	280	350	
S4L1D-D4	292	365	320	400	332	415	
S4L1D-E4	336	420	368	460	380	475	
S4L1D-F4	388	485	428	535	444	555	
S4L1D-G4	428	535	460	575	480	600	

Standby 163/27							
Winding Number	311						
Volts	416		440		480		
Model	kW	kVA	kW	kVA	kW	kVA	
S4L1D-C4	248	310	276	345	284	355	
S4L1D-D4	300	375	328	410	344	430	
S4L1D-E4	348	435	376	470	392	490	
S4L1D-F4	400	500	440	550	460	575	
S4L1D-G4	452	565	480	600	500	625	

Specification

MODEL	S4-Dedicated
Ratings at 50Hz (kVA) Class H	250-450
Ratings at 60Hz (kVA) Class H	288-560
Specifications	
Voltage Range	380-480
Poles	4
Technology	Wire Wound
AVR	Analogue
Voltage Sensing	2 Phase
Bearing Arrangement	Single
SAE Adaptors	SAE 1
Terminals	12
Material Insulation Class	Н
Excitation System	Self Exciting
Ingress Protection	IP23
Connection with other machines	Paralleling capability
Optional Features	
Bearing Arrangement	-
SAE Adaptors	0.5
Excitation System	PMG
Ingress Protection	IP23 Air Filters
Output Configurations	1 Phase Reconnectable
Voltage sensing	3 Phase sensing
Temperature Monitoring	Winding RTDs
Temperature Monitoring	Thermistors
Environmental Protection	Anti-Condensation Heater
Adaptor Feet	✓
Flexible Feet	1
Prime Movers	
Diesel Engine	1
Gas Engine	

Accessories

	Factory Build Options
1	Anti-Condensation Heater (with Terminal Box)
9	Quadrature Droop kit
	Bearing RTD
,	Air Inlet Filter
	Remote Voltage Trimmer
•	Radio frequency interference (RFI) Suppressor Kit
	Excitation Loss Module
1	Diode Failure Detector
	CSA Approval

Available With	MX321	MX341	AS440
Current Sensing Kit	1	1	1
Controlled Short Circuit	1	X	Х
Manual Voltage Regulator	1	1	Х
Frequency Detection Module	1	1	X
Power Factor Controller - PFC3	1	1	✓
Remote Control Interface	1	1	✓
Excitation Circuit Breaker	1	1	1
Dual AVR	1	1	Х

Voltage Regulator Options	PMG
AS440 AVR	×
MX341	1
MX321 AVR	1
UL AS440	X
UL MX341	1
No AVR	1

S4 Special Ratings

50Hz

Class H 125/40						
Winding Number			3	11		
Volts	380		400		415	
Model	kW	kVA	kW	kVA	kW	kVA
S4L1S-C4	200	250	200	250	200	250
S4L1S-D4	240	300	240	300	240	300
S4L1S-E4	280	350	280	350	280	350
S4L1S-F4	320	400	320	400	320	400

Standby 150/40						
Winding Number			31	11		
Volts	38	30	400		415	
Model	kW	kVA	kW	kVA	kW	kVA
S4L1S-C4	216	270	216	270	216	270
S4L1S-D4	256	320	256	320	256	320
S4L1S-E4	296	370	296	370	296	370
S4L1S-F4	332	415	344	430	344	430

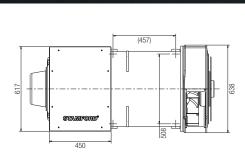
Standby 163/27								
Winding Number		311						
Volts	380 400 415					15		
Model	kW	kVA	kW	kVA	kW	kVA		
S4L1S-C4	220	275	220	275	220	275		
S4L1S-D4	264	330	264	330	264	330		
S4L1S-E4	304	380	320	400	304	380		
S4L1S-F4	340	425	360	450	352	440		

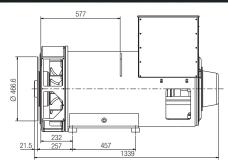
60Hz

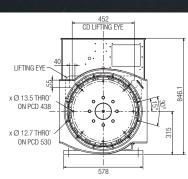
Class H 125/40									
Winding Number		311							
Volts	4	416 440				480			
Model	kW	kVA	kW	kVA	kW	kVA			
S4L1S-C4	230	288	240	300	252	315			
S4L1S-D4	275	344	288	360	300	375			
S4L1S-E4	320	400	336	420	352	440			
S4L1S-F4	364	455	384	480	400	500			

Standby 150/40							
Winding Number	311						
Volts	4-	16	440		48	30	
Model	kW	kVA	kW	kVA	kW	kVA	
S4L1S-C4	240	300	256	320	268	335	
S4L1S-D4	292	365	308	385	320	400	
S4L1S-E4	336	420	356	445	368	460	
S4L1S-F4	388	485	412	515	428	535	

Standby 163/27							
Winding Number	311						
Volts	4	16	440		480		
Model	kW	kVA	kW	kVA	kW	kVA	
S4L1S-C4	248	310	264	330	276	345	
S4L1S-D4	300	375	316	395	332	415	
S4L1S-E4	348	435	364	455	380	475	
S4L1S-F4	400	500	424	530	440	550	







Specification

MODEL	S4-Special
Ratings at 50Hz (kVA) Class H	250-400
Ratings at 60Hz (kVA) Class H	288-500
Specifications	
Voltage Range	380-690
Poles	4
Technology	Wire Wound
AVR	Analogue
Voltage Sensing	2 Phase
Bearing Arrangement	Single
SAE Adaptors	SAE 1
Terminals	12
Material Insulation Class	Н
Excitation System	Self Exciting
Ingress Protection	IP23
Connection with other machines	Paralleling capability
Optional Features	
Bearing Arrangement	Double
SAE Adaptors	0.5, 0, 2, 3
Excitation System	PMG
Ingress Protection	IP23 Air Filters
Output Configurations	1 Phase Reconnectable
Voltage sensing	3 Phase sensing
Temperature Monitoring	Winding RTDs
Temperature Monitoring	Thermistors
Environmental Protection	Anti-Condensation Heater
Adaptor Feet	×
Flexible Feet	Х
Prime Movers	
Diesel Engine	1
Gas Engine	/

Accessories

	Factory Build Options
	Anti-Condensation Heater (with Terminal Box)
	Quadrature Droop kit
	Bearing RTD (Each Bearing)
	Air Inlet Filter
	Drip Proof Louvres
	Remote Voltage Trimmer
ı	Radio frequency interference (RFI) Suppressor Kit
	Excitation Loss Module
١	Diode Failure Detector
	CSA Approval

Available With	MX321	MX341	AS440
Current Sensing Kit	1	1	1
Controlled Short Circuit	1	X	Х
Manual Voltage Regulator	1	1	X
Frequency Detection Module	1	1	Х
Power Factor Controller - PFC3	1	1	1
Remote Control Interface	1	1	1
Excitation Circuit Breaker	1	1	1
Dual AVR	1	/	Х

Voltage Regulator Options	PMG
AS440 AVR	X
MX341	1
MX321 AVR	1
UL AS440	X
UL MX341	1
No AVR	X
No AVR	1

S4 Marine Ratings

50Hz

Class B (70°C) Temperature Rise, Continuous, 50°C Ambient							
Winding Number	311						
Volts	38	380 400 4					
Model	kW	kVA	kW	kVA	kW	kVA	
S4L1M-C4	148	185	148	185	148	185	
S4L1M-D4	160	200	160	200	160	200	
S4L1M-E4	192	240	192	240	192	240	
S4L1M-F4	220	275	220	275	220	275	

Class F (90°C) Temperature Rise, Continuous, 50°C Ambient							
Winding Number	311						
Volts	380 400				415		
Model	kW	kVA	kW	kVA	kW	kVA	
S4L1M-C4	168	210	168	210	168	210	
S4L1M-D4	184	230	184	230	184	230	
S4L1M-E4	220	275	220	275	220	275	
S4L1M-F4	248	310	248	310	248	310	

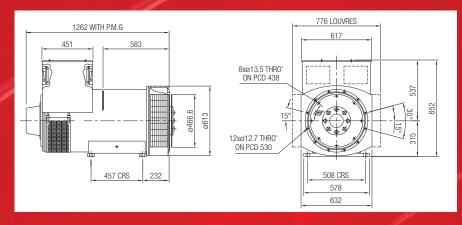
Class H (110°C) Temperature Rise, Continuous, 50°C Ambient								
Winding Number		311						
Volts	380 400 415					15		
Model	kW	kVA	kW	kVA	kW	kVA		
S4L1M-C4	172	215	172	215	172	215		
S4L1M-D4	192	240	192	240	192	240		
S4L1M-E4	236	295	236	295	236	295		
S4L1M-F4	272	340	272	340	272	340		

60Hz

Class B (70°C) Temperature Rise, Continuous, 50°C Ambient							
Winding Number	311						
Volts	440 460			60	480		
Model	kW	kVA	kW	kVA	kW	kVA	
S4L1M-C4	172	215	176	220	180	225	
S4L1M-D4	188	235	200	250	208	260	
S4L1M-E4	228	285	236	295	244	305	
S4L1M-F4	264	330	268	335	276	345	

Class F (90°C) Temperature Rise, Continuous, 50°C Ambient						
Winding Number	311					
Volts	440		460		480	
Model	kW	kVA	kW	kVA	kW	kVA
S4L1M-C4	196	245	200	250	204	255
S4L1M-D4	216	270	224	280	236	295
S4L1M-E4	260	325	272	340	276	345
S4L1M-F4	300	375	304	380	316	395

Class H (110°C) Temperature Rise, Continuous, 50°C Ambient						
Winding Number	311					
Volts	440		460		480	
Model	kW	kVA	kW	kVA	kW	kVA
S4L1M-C4	208	260	212	265	216	270
S4L1M-D4	244	305	256	320	264	330
S4L1M-E4	280	350	292	365	296	370
S4L1M-F4	324	405	332	415	340	425



Specification

	11 11
MODEL	S4-Marine
Ratings at 50Hz (kVA) Class H	200-340
Ratings at 60Hz (kVA) Class H	235-440
Specifications	
Voltage Range	380-690
Poles	4
Technology	Wire Wound
AVR	Analogue
Voltage Sensing	2 Phase
Bearing Arrangement	Single
SAE Adaptors	SAE 1
Terminals	12
Material Insulation Class	Н
Excitation System	Self Exciting
Ingress Protection	IP23
Connection with other machines	Paralleling capability
Connection with other machines Optional Features	Paralleling capability
	Paralleling capability Double
Optional Features	
Optional Features Bearing Arrangement	Double
Optional Features Bearing Arrangement SAE Adaptors	Double 0.5, 0, 2, 3
Optional Features Bearing Arrangement SAE Adaptors Excitation System	Double 0.5, 0, 2, 3 PMG
Optional Features Bearing Arrangement SAE Adaptors Excitation System Ingress Protection	Double 0.5, 0, 2, 3 PMG IP23 Air Filters
Optional Features Bearing Arrangement SAE Adaptors Excitation System Ingress Protection Output Configurations	Double 0.5, 0, 2, 3 PMG IP23 Air Filters 1 Phase Reconnectable
Optional Features Bearing Arrangement SAE Adaptors Excitation System Ingress Protection Output Configurations Voltage sensing	Double 0.5, 0, 2, 3 PMG IP23 Air Filters 1 Phase Reconnectable 3 Phase sensing
Optional Features Bearing Arrangement SAE Adaptors Excitation System Ingress Protection Output Configurations Voltage sensing Temperature Monitoring	Double 0.5, 0, 2, 3 PMG IP23 Air Filters 1 Phase Reconnectable 3 Phase sensing Winding RTDs
Optional Features Bearing Arrangement SAE Adaptors Excitation System Ingress Protection Output Configurations Voltage sensing Temperature Monitoring Temperature Monitoring	Double 0.5, 0, 2, 3 PMG IP23 Air Filters 1 Phase Reconnectable 3 Phase sensing Winding RTDs Thermistors Anti-Condensation
Optional Features Bearing Arrangement SAE Adaptors Excitation System Ingress Protection Output Configurations Voltage sensing Temperature Monitoring Temperature Monitoring Environmental Protection	Double 0.5, 0, 2, 3 PMG IP23 Air Filters 1 Phase Reconnectable 3 Phase sensing Winding RTDs Thermistors Anti-Condensation Heater
Optional Features Bearing Arrangement SAE Adaptors Excitation System Ingress Protection Output Configurations Voltage sensing Temperature Monitoring Temperature Monitoring Environmental Protection Adaptor Feet	Double 0.5, 0, 2, 3 PMG IP23 Air Filters 1 Phase Reconnectable 3 Phase sensing Winding RTDs Thermistors Anti-Condensation Heater
Optional Features Bearing Arrangement SAE Adaptors Excitation System Ingress Protection Output Configurations Voltage sensing Temperature Monitoring Temperature Monitoring Environmental Protection Adaptor Feet Flexible Feet	Double 0.5, 0, 2, 3 PMG IP23 Air Filters 1 Phase Reconnectable 3 Phase sensing Winding RTDs Thermistors Anti-Condensation Heater

Accessories

	Factory Build Options
١	Anti-Condensation Heater (with Terminal Box)
\	Quadrature Droop kit
ı	Bearing RTD (Each Bearing)
١	Air Inlet Filter
•	Drip Proof Louvres
ı	Remote Voltage Trimmer
9	Radio frequency interference (RFI) Suppressor Kit
	Excitation Loss Module
	Diode Failure Detector
١	CSA Approval

No. of Contract of		
Available With	MX321	MX341
Current Sensing Kit	1	1
Controlled Short Circuit	1	X
Manual Voltage Regulator	1	1
Frequency Detection Module	1	1
Power Factor Controller - PFC3	1	1
Remote Control Interface	1	1
Excitation Circuit Breaker	1	1
Dual AVR	1	1

Voltage Regulator Options	PMG	
MX341	1	
MX321 AVR	1	
UL MX341	1	
No AVR	1	



PRODUCT HERITAGE



1973
World's
First alternator
to utilise a PMG
for AVR excitation

1950
World's
First regulating alternator produced



1966 C Range



1966

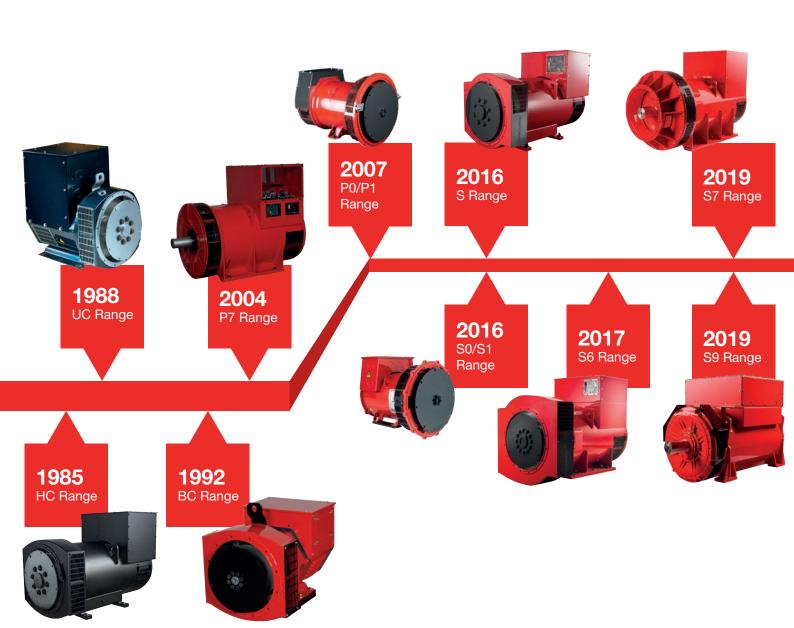
World's First volume produced brushless alternator

1973 AC Range

1958

World's First rotating field alternator produced





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