<b>Output Power</b>	Rating		Pı	rime	Stand	lby ***			
rpm	Frequency	Voltage	Kva	Kw	Kva	Kw			
1500	50 Hz	400	200	160	220	176			
1800	60 Hz	480	245	196	269	215			
	ed 1500/1800 rpm	1							
The above kW ratin	ng are at 0.8 pf								
Guarantied within	condition equivalent to	those specificati	ion in ISO 8528	3-1,ISO 3046-1 ar	nd BS 5514-1.				
* Prime power ration	ng of the generating se	t is where a varib	le load and unli	mited hours usag	ge are applied				
on the generating s	et with an average load	d factor of 80% o	f the prime ratio	ng over each 24 h	ours period.				
-	overload is availble for								
• 1	rating of the generating	*			U 1				
**	ith 300 hours of which	may be continou	ıs running. Noti	ing that no overlo	ad is permitted				
Engine Technic		D 11 1505	FOOTA CA						
Engine Make and Model		Perkins 1506A - E88TAG1							
Cylinder		6 Vertical In-Lia							
Aspiration		Turbo Charged, After Cooled							
Combustion System		Direct Injection							
Displacement		8.8 Liters Electronic							
Governor Emissions Regulation		EU Stage II							
Electrical Starting System			tor and 24V 45	Amp Alternator	with DC Output	:			
	5,50011	2 1 7 Starter 11101	.o. unu 27 v , +J	. mp / memator	a. De Output				
Air System									
Air Filter Type		Paper Element (	Replaceable)						
Combustion Air	<u>.</u> .	50 Hz		60 Hz					
Flow	Prime	11.3 (399.05)		13.3 (469.68)					
Cm/min(cfm)	Standby	11.7 (413.18)		13.4 (473.21)					
Max Air Filter Inta	ke Restriction	8.0 kpa		8.0 kpa					
Fuel System		P 189. **	1 11 \						
Fuel Filter Type	1	Fuel Filter (Replaceable)							
Recommended Fuel		Class A2 Diesel							
	Engine Speed	1500 rpm		1800 rpm					
Fuel Consumption 1/hr(US gal/hr)	Standby	44.0 (11.62)		50.5 (13.34)					
	Prime Power	40.2 (10.62)		41.3 (10.91)					
	75% of Prime Power 50% of Prime Power	31.0 (8.19) 20.5 (5.42)		36.8 (9.72) 25.5 (6.74)					
Fuel Tank: Open /		405 L / 435 L		23.3 (0.74)					
•		103 E / 433 E							
Lubrication Sy	stem								
Lube Oil		t	SAE 15W-40 (	-10 <sup>o</sup> C to 50 <sup>o</sup> C A	mbient Tempera	iture)			
Lube Oil Capacity		41 L							
Oil Pan		15.5 L							
Oil Filter Type		Oil Filter (Replaceable)							
Oil Cooling Metho	d	Water							
Cooling System									
Coolant Capacity		21 L							
Cooling System		Liquid							
Cooling Fan Air Fl	ow m3/min (cfm)	281 (9923.42)		314 (11088.81)					
Heat Radiation to		50 Hz		60 Hz					
Room	Prime	12.5 kW		14.5 kW					
ROOM	Standby	13.7 kW		15.7 kW					
Exhaust system									
Andust System	Grade	Industrial							
Silencer	Size	2"							
	QTY	1							
Exhaust gas flow	Prime	29.4 (1038.25)		33.4 (1179.51)					
m3/min (cfm)	Standby	21.0 (1094.75)		34.8 (1228.95)					
Max Allowable Backpressure		10.0 kpa	15.0 kpa						
		-		60 Hz					
		OU HZ							
Exhaust Gas Max	Prime	50 Hz 480 <sup>o</sup> C							
	Prime Standby	480°C 499°C		485°C 509°C					

Number of terminals	(leaus)	12										
A.V.R & Excitation		SX 460										
Regulation		±										
Ingress Protection		IP-23										
Insulation Class		Н										
TIF		<40										
THD at Full Load %		2.8 / 2.7										
THD at No Load %		3.1 / 3.0										
Cooling Air flow-@5	0 Hz m3 / min (cfm)	32 (1130.	.00)									
Cooling Air flow-@6	Cooling Air flow-@60 Hz m3 / min (cfm)		39 (1377.27)									
Output Voltage		50 Hz				60 Hz						
V		380	400	415	440	415	440	460	480			
kVA		180	180	180	165	210	220	220	220			
kW		144	144	144	132	168	176	176	176			
Alternator perfor	mance data											
Ť	xd %	218.3	197	183	149.2	251.6	234.4	214.5	197			
Reactance (f.l.cl.f)	xd' %	10.7	9.7	9.0	7.3	12.4	11.5	10.6	9.7			
	xd" %	6.1	5.5	5.1	4.2	7.0	6.5	6	5.5			
Motor starting capaci					<del></del>							
voltage dip and 0.8 pf	•	360	440	525	-	315	380	450	525			
Controller featur		DSE										
Controller Make and Model		Auto mains failure (AMF) applications including remote communication, user configuration and complete gen-set monitoring and protection.  Ready for generators with 3 ph 4 wire / 3ph 3 wire/ Mono ph  * Oil Pressure  * Fuel Level (Optional)										
Engine Protection		* Coolant Temperature						mai)				
Generator Protection		* Over / Under Voltage  * Over / Under Frequency  * Phases Frequency				* Over Current  * Charging Alternator Fault						
		* 3 No's Configurable Analog Inputs				* 6 No's Binary Outputs						
Inputs and Outputs		* 4 No's Binary Inputs				* D+ Pre-Excitation Terminal						
		* Gen-set text Alarm Log				* Engine Hours History Log						
Event and Performance Log		* For More Features we can use High Controller										
Gen-set Enclosur	e specification (or	otional)										
Enclosure Type	` ` `		and Weat	herproof								
Anticorrosive Protection		Polyester Powder Coated Galvanized Sheet										
Access Doors		6										
Drainage		Fuel and Water Drainage Provision										
Transportation		Tested Single Point Lifting Facility & Forklift Pockets										
Noise Level (@ Free-Field Conditions)		72 dBA @ 7 meter										
Water Fill		Radiator Water Filling Provision										
Cable Access		Cable Inlet and Outlet Provision										
Emergency stop		External Emergency Push Button										
Canopy RAL Color		RAL 2000										
Chassis RAL Color		RAL 9011										
Shipping Data		701										
Type		Length	n (mm)	Width	n (mm)	Heigh	t (mm)	Weigl	nt (kg)			
	oen		48		00		60		60			
Enclosed			62		55		32		01			
Notes: All Generators carry a	n one year or (1,000) h	our's manu	ıfacturer's	warranty								

Stamdford / or L.S

UCI274H

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Alternator Technical Data Model Number

Number of terminals (leads)

No. of Poles