Output Power	Rating		P	rime	Stand	by ***			
rpm	Frequency	Voltage	Kva	Kw	Kva	Kw			
1500	50 Hz	400	180	144	200	160			
1800	60 Hz	480	200	160	219	175			
	eed 1500/1800 rpm	1							
The above kW ratio	-		. 1000===	0.1.100.0015	100 55111				
	condition equivalent to	•							
•	ng of the generating se								
	et with an average load overload is availble for			-	nours period.				
-	rating of the generating				usage up to 500				
	ith 300 hours of which								
Engine Technic		, se continou			permitted				
Engine Make and Model		Perkins 1106C-E66TAG4							
Cylinder		Vertical In-Line	Turbo						
Aspiration		Charged, After	CooledDirect						
Combustion System		Injection							
Displacement		8.8 Liters							
Governor		Electronic							
Emissions Regulati		EU Stage II							
Electrical Starting	System	24 V starter mot	or and 24V, $\overline{45}$	5 Amp Alternator	with DC Output				
Air System									
Air Filter Type		Paper Element (Replaceable)						
Combustion Air		50 Hz	1	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									
Fuel Filter Type		Fuel Filter (Repl	aceable)						
Recommended Fuel		Class A2 Diesel							
Fuel Consumption l/hr(US gal/hr)	Engine Speed	1500 rpm		1800 rpm					
	Standby	44.0 (11.62)		50.5 (13.34)					
	Prime Power	40.2 (10.62)		41.3 (10.91)					
	75% of Prime Power	31.0 (8.19)		36.8 (9.72)					
First Tanle: On a 1	50% of Prime Power	20.5 (5.42)		25.5 (6.74)					
Fuel Tank: Open /	Ciose	405 L / 435 L							
Lubrication Sy	stem								
Lube Oil		API-CH4 / C14 SAE 15W-40 (-10°C to 50°C Ambient Temperature)							
Lube Oil Capacity		41 L							
Oil Pan		15.5 L							
Oil Filter Type		Oil Filter (Repla	ceable)						
Oil Cooling Metho	d	Water							
Cooling System	1								
Coolant Capacity		21 L							
Cooling System		Liquid							
Cooling Fan Air Fl	ow m3/min (cfm)	281 (9923.42)		314 (11088.81)				
Heat Radiation to Room	_	50 Hz		60 Hz					
	Prime	12.5 kW		14.5 kW					
	Standby	13.7 kW		15.7 kW					
Exhaust system									
	Grade	Industrial							
		2"							
Silencer	Size								
Silencer	Size OTY	1							
	Size QTY Prime	1 29.4 (1038.25)		33.4 (1179.51))				
	QTY			33.4 (1179.51) 34.8 (1228.95)					
Exhaust gas flow m3/min (cfm)	QTY Prime Standby	29.4 (1038.25)							
Exhaust gas flow m3/min (cfm) Max Allowable Ba	QTY Prime Standby	29.4 (1038.25) 21.0 (1094.75)		34.8 (1228.95)					
Exhaust gas flow m3/min (cfm) Max Allowable Ba Exhaust Gas Max Temperature	QTY Prime Standby	29.4 (1038.25) 21.0 (1094.75) 10.0 kpa		34.8 (1228.95) 15.0 kpa					

Model Number		UCI2/4H									
No. of Poles		4									
Number of terminals (leads)		12									
A.V.R & Excitation		SX 460									
Regulation		±									
Ingress Protection	0										
Insulation Class		Н									
TIF		<40									
THD at Full Load %		2.8 / 2.7									
THD at No Load %		3.1 / 3.0									
Cooling Air flow-@50 Hz m3 / min (cfm)		32 (1130.	00)								
Cooling Air flow-@50 Hz m3 / min (cfm) Cooling Air flow-@60 Hz m3 / min (cfm)											
Output Voltage		39 (1377.27) 50 Hz 60 Hz									
Output voitage V		380	400	415	440	415	440	460	480		
kVA											
		180	180	180	165	210	220	220	220		
kW	1	144	144	144	132	168	176	176	176		
Alternator perfor											
	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 capacit	ty based on 30%	260	440	505		215	200	450	505		
voltage dip and 0.8 pf	(kVA)	360	440	525	-	315	380	450	525		
Controller featur	es	DSE									
			ns failure	(AMF) ar	pplications	s including	remote o	communic	ation		
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									
Engine Protection		* Coolant Temperature									
		* Over / Under Voltage									
Generator Protection		S									
		* Over / Under Frequency				* Charging Alternator Fault					
		* Phases Frequency * 3 No's Configurable Analog Inputs									
Inputs and Outputs					* 6 No's Binary Outputs						
		* 4 No's Binary Inputs				* D+ Pre-Excitation Terminal					
Event and Performance Log		* Gen-set text Alarm Log									
		* For More Features we can use									
		High Controller									
	e specification (o _l										
Enclosure Type		Acoustic and Weatherproof									
Anticorrosive Protecti	ion	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									
**											
		KAL 901	1								
11 8		I (1.	(mar-)	W7: .1.1	(mm)	Unint.	t (mr-)	W/n: -1	at (1c=)		
							Ŭ	, 0,			
Open								1560			
Encl	35	62	11	.55	18	32	22	.01			
Op Encl	osed	222	1 (mm) 448 662	90 11	n (mm) 00 55		t (m		15		
All Generators carry a	one year or (1,000) h	our's manu	ufacturer's	warranty							

Stamdford / or L.S

UCI274H

Alternator Technical Data

Model Number