Output Power	-			Prime	Standl				
rpm	Frequency	Voltage	Kva	Kw	Kva	Kw			
1500	50 Hz	400	150	120	165	132			
1800	60 Hz	480	170	136	191	153			
The above kW ratir	eed 1500/1800 rpm								
		41-aaa amaaifiaatio	: ICO 9520) 1 ICO 2046 1 and	1 DC 551/ 1				
	condition equivalent to	•							
-	ing of the generating set			_					
	set with an average load		-	-	urs perioa.				
- C	% overload is availble fo				40 500				
	rating of the generating	-			0 1				
hours is applied, wi Engine Technic	with 300 hours of which	may be conunous	running, mou	ng that no overrow	1 is permined				
Engine Technic Engine Make and M		Perkins 1106D-E70TAG3							
Cylinder	Model	6 Vertical In-Line							
Aspiration				or Cooled					
Aspiration Combustion Systen		Turbo Charged, Air to Air After Cooled Direct Injection							
Displacement	n	7.01 Liters							
Governor		7.01 Liters Electronic / Mechanical							
Emissions Regulation	ei on	TA Luft							
Electrical Starting S			Motor and 12 T	Volt 55 Amp Alteri	mator with DC Or	etout			
	System	12 von Suiter	10101 and 12	VOIL 33 / Minp / Mic-	lator with DC C.	арис			
Air System									
Air Filter Type		Dry Element (Re	eplaceable)						
Combustion Air		50 Hz		60 Hz					
Flow	Prime	8.38 (295.9)		10.72 (378.6)					
Cm/min(cfm)	Standby	8.78 (310.1)		11.17 (394.4)					
Max Air Filter Intal	ake Restriction	5.0 kpa		5.0 kpa					
Fuel System									
Fuel Filter Type		1	w and Pre-Filt	ter (Replaceable)					
Recommended Fue	_	Class A2 Diesel	Class A2 Diesel						
·	Engine Speed	1500 rpm		1800 rpm					
Fuel Consumption	Standby	34.6 (9.14)		41.3 (10.91)					
1/hr(US gal/hr)	Prime Power	31.5 (8.32)		37.6 (9.93)					
nm(0.2 0,	75% of Prime Power			28.9 (7.64)					
	50% of Prime Power	16.5 (4.36)		19.4 (5.13)					
Fuel Tank: Open / 0	Close	405 L / 435 L							
Lubrication Sy	vstem								
Lubrication Sy Lube Oil	Stem	ADLCD / SE or	CCMC D4 15	5W40 (-10 ^o C to 50	OC Ambient Ten	-parature)			
Lube Oil Capacity	,	19 L	CCIVIC D	W40 (-10 C to 5.	C Amorene 10	регань,			
Oil Pan		16 L							
Oil Filter Type		Spin-On Full Flor	w (Replaceab	ile)					
Oil Cooling Method	nd.	Water	w (****F	10)					
		** 4.62							
Cooling System	n								
Coolant Capacity		37.2 L							
Cooling System		Mounted Radiato	or, Water Coo						
Cooling Fan Air Flo	ow m3/min (cfm)	154 (5438)		182 (6427)					
Heat Radiation to		50 Hz		60 Hz					
Room	Prime	15.4 kW		19.0 kW					
·	Standby	25.7 kW		33.6 kW					
Exhaust system	n								
DATIMUST	Grade	Industrial							
Silencer	Size	3"							
Jionee .	QTY	1							
Exhaust gas flow		24.14 (852.5)		29.75 (1050.6)					
m3/min (cfm)	Standby	25.71 (907.9)		31.41 (1109.1)					
, ,		TBA		6kpa					
May Allowable Ba	Скрісовию			60 Hz					
Max Allowable Bac	•	- SIT- E17		COLUMN STATEMENT					
Exhaust Gas Max	Prime	50 Hz							
	Prime Standby	571°C 585°C		540°C 551°C					

Alternator Technical Data		Stamdford / or L.S									
Model Number		UCI274F									
No. of Poles		4									
Number of terminals (leads)		12									
A.V.R & Excitation		SX 460									
Regulation		± 1.5%									
Ingress Protection		IP-21									
Insulation Class		Н									
TIF		<40									
THD at Full Load %		1.7 / 1.8									
THD at No Load %		2.3 / 2.4									
Cooling Air flow-@50 Hz m3 / min (cfm)		19.3 (681.57)									
Cooling Air flow-@60 Hz m3 / min (cfm)		23.0 (812.23)									
Output Voltage		50 Hz 60 Hz									
V		380	400	415	440	415	440	460	480		
kVA		150	150	150	125	150	170	180	180		
kW		120	120	120	100	120	135	144	144		
Alternator perfor	mance data										
· · · · · · · · · · · · · · · · · · ·	xd %	265.9	240	223	165.3	267.6	269.8	261.3	240		
Reactance (f.l.cl.f)	xd' %	16.4	14.8	13.7	10.2	19.6	16.6	16.1	14.8		
` ′	xd" %	6.2	6.2	5.8	4.3	6.9	7.0	6.8	6.2		
Motor starting capacity											
voltage dip and 0.8 pf (kVA)		325	400	480	-	250	325	400	480		
Controller feature	Controller features		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									
Engine Protection		* Oil Pressure * Coolant Temperature				* Fuel Level (Optional)					
		* Over / Under Voltage				* Over Current					
Generator Protection	Generator Protection		* Over / Under Frequency				* Charging Alternator Fault				
			Frequency			Charging Antoniator Fault					
Inputs and Outputs		* 3 No's Configurable Analog Inputs									
		* 4 No's Binary Inputs				* D+ Pre-Excitation Terminal					
		* Gen-set text Alarm Log				* Engine Hours History Log					
Event and Performance Log Gen-set Enclosure specification (o)		* For More Features we can use									
		High Controller									
Enclosure Type		Acoustic and Weatherproof									
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)		71 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		-11.12.701									
Туре		Lengtl	h (mm)	Width	(mm)	Heigh	t (mm)	Weigh	ıt (kg)		
	Open		500		75		25		25		
Enclosed			200		.00		90		75		
Literoscu		32		11		1 /		17			

Notes: