



# PRECISION INDUSTRIES®

PI 112P/50Hz THE POWER OF DUBAI  
 PI 126.5P/60Hz

Output Power Ratings			Prime*		Standby*	
Rpm	Frequency	Voltage	Kva	kW	Kva	kW
1500	50Hz	400	101.4	81.4	111.9	89.6
1800	60Hz	480	114.4	91.5	126.5	101.2

The above KW ratings are at 0.8 pf  
 Guaranteed within conditions equivalent to those specified in ISO 8528-1, ISO 3046-1 and BS 5514-1.

Engine Technical Data	
Engine Make and Model	Perkins 1104C-44TAG2
Cylinders	4 Vertical In-Line
Aspiration	Turbocharged, Air to Air
Combustion System	Direct Injection
Displacement	4.41liters
Governor	Electronic
Emissions Regulations	EU 2007 Stage II, TA Luft
Electrical Starting System	12 Volt Starter Motor And 12 Volt 65 Amp Alternator With Dc Output

Air Systems			
Air Filter Type		Dual Element (Replaceable)	
		50 Hz	60 Hz
Combustion Air Flow m <sup>3</sup> /min (cfm)	Prime	6.01 (212)	7.75 (274)
	Standby	6.27 (221)	7.80 (276)
Maximum Air Filter Intake Restriction		8.0kPa	

Fuel System			
Fuel Filter Type		Ecoplus (Replaceable)	
Recommended Fuel		Class A2 Diesel	
Fuel Consumption l/hr (US gal/hr)	Engine Speed	1500 rpm	1800 rpm
	Standby	24.9 (6.58)	29.7 (7.85)
	Prime Power	22.6 (5.97)	26.9 (7.11)
	%75 of Prime Power	17.1 (4.52)	20.2 (5.34)
	%50 of Prime Power	11.2 (2.96)	14.1 (3.73)
Fuel Tank Capacity: Open / Close		225 L / 225 L	

Lubrication System	
Lube oil	API-CC/SE or CCMC-D1,SAE 15W-40 (-*10 C to *50 C Ambient Temperature)
Lube Oil Capacity	8.0 L
Oil Pan	5.5 L
Oil Filter Type	Spin-On(Replaceable)
Oil Cooling Method	Water

Cooling System			
Coolant Capacity		12.6 L	
Cooling System			
Cooling Fan Air Flow m <sup>3</sup> /min (cfm)		5848 (165.6)	7966 (225.6)
		50 Hz	60 Hz
Heat Radiation to Room	Prime	6.8kW	8.5kW
	Standby	7.5kW	9.4kW

Exhaust System			
Silencer	Grade	Industrial	
	Size	3"	
	Qty	1	
Exhaust Gas Flow m <sup>3</sup> /min (cfm)	Prime	536 (15.2)	651 (18.4)
	Standby	574 (16.3)	721 (20.4)
Maximum Allowable Backpressure		18 kPa	15 kPa
Exhaust Gas Maximum Temp	Prime	514°C	517°C
	Standby	543°C	574°C

Alternator Technical Data		Stamford						
Model Number	UCI274C							
No. of Poles	4							
Number of Terminals (Leads)	12							
A.V.R. & Excitation	AS460							
Regulation	±1.0%							
Ingress Protection	IP-23							
Insulation Class	H							
TIF	<50							
THD at Full Load %	<5%							
THD at No Load %	<1.5%							
Cooling Air Flow- @ 50 Hz m <sup>3</sup> /min (cfm)	30.84 (1090)							
Cooling Air Flow- @ 60 Hz m <sup>3</sup> /min (cfm)	37.02 (1308)							
Output Voltages	50Hz			60Hz				
V	380	400	415	440	415	440	460	480
kVA	110	110	110	N/A	120.0	127.5	127.5	137.5
Kw	88.0	88.0	88.0	N/A	96.0	102.0	102.0	110.0



Made in UAE



ISO 9001 : 2008 Certified

