



PRECISION INDUSTRIES®

PI 66P/50Hz THE POWER OF DUBAI
PI 75.1P/60Hz

Output Power Ratings			Prime*		Standby**	
rpm	Frequency	Voltage	Kva	kW	Kva	kW
1500	50Hz	400	60	48	66	52.8
1800	60Hz	480	68.1	54.5	75.1	60.1

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 1103A-33TG2
Cylinders	3 Vertical In-Line
Aspiration	Turbocharged
Combustion System	Direct Injection
Displacement	3.3liters
Governor	Mechanical(Optional Electronic)
Emissions Regulations	TAluft
Electrical Starting System	12 Volt Starter Motor And 12 Volt 65 Amp Alternator With DC Output

Air Systems	
Air Filter Type	Dry Element(Replaceable)
Combustion Air Flow m ³ /min (cfm)	Prime Standby
	50 Hz 60 Hz
	3.8 (134.1) 4.7 (165.9)
	3.9 (137.7) 4.9 (173.0)
Maximum Air Filter Intake Restriction	8.0kPa 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 15.4 (4.07) 18.2 (4.81)
	Prime Power 13.9 (3.67) 16.6 (4.39)
	%75 of Prime Power 10.4 (2.75) 12.5 (3.30)
	%50 of Prime Power 7.20 (1.90) 8.80 (2.32)
Fuel Tank Capacity: Open / Close	180 L / 167 L

Lubrication System	
Lube Oil	API –CG4/CH4 SAE 15W40 (-*10 C to *50 C Ambient Temperature)
Lube Oil Capacity	8.3 L
Oil Pan	7.9 L
Oil Filter Type	Spin-On(Replaceable)
Oil Cooling Method	Water

Cooling System	
Coolant Capacity	10.2 L
Cooling System	Mounted Radiator, Water Cooled
Cooling Fan Air Flow m ³ /min (cfm)	89.0 (3143.0) 111.0 (3919.9)
	50 Hz 60 Hz
	10.0 Kw 11.0 Kw
	11.0 Kw 11.0 Kw

Exhaust System		
Silencer	Grade	Industrial
	Size	2.5"
	Qty	1
Exhaust Gas Flow m ³ /min (cfm)	Prime	10.1 (356.6) 11.8 (416.7)
	Standby	10.4 (367.2) 12.5 (441.4)
Maximum Allowable Backpressure	10 kPa 15 kPa	
Exhaust Gas Maximum Temp	50 Hz 60 Hz	
	557°C 534°C	
	571°C 564°C	

Alternator Technical Data		Stamford							
Model Number		UC224E							
No. of Poles		4							
Number of Terminals (Leads)		12							
A.V.R. & Excitation		AS460 (Self Excited)							
Regulation		±1%							
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 ³ /min (cfm)		12.96 (458.00)							
Cooling Air Flow- @ 60 Hz m ³ /min (cfm)		16.86 (595.00)							
Output Voltages		50Hz				60Hz			
V		380	400	415	440	415	440	460	480
kVA		63	63	63	47.3	72.5	75.0	75.0	80.0
kW		50	50	50	37.8	58.0	60.0	60.0	64.0



Made in UAE



ISO 9001 : 2008 Certified

