

PI 1125Y

POWERED BY



Industrial Generating Set

		industrial Ge	silerating Set		
MODEL	rpm / Hz	VOLTAGE	PRIME ⁽¹)	STANDBY ⁽²⁾
	1500 / 50	400 /230 V	1000kVA /800k		1100kVA / 880kWe
Full rated power available up			C, for other temperature and a		
eam. ENGINE SPECIFICA	TIONS		FUEL SYSTEM		
Rated Output (PRP)		380 kW _m	Fuel Filter:		
Rated Output (ESP)		968 kW _m	Recommended Fuel		Class A2 Diesel
Engine Make & Mode		/uchai YC6TH1320-D31	Fuel Consumption Standby		240.7 L/hr
No. of Cylinders		6 Vertical in-line	Fuel Consumption 10		216.4 L/hr
Cycle	4	1 Strokes	Fuel Consumption 75% PRP		170.6 L/hr
Aspiration		Furbocharged, air-air ntercooled	Fuel Consumption 50% PRP		115.9 L/hr
Cooling Method		Nater	EXHAUST SYSTEM		
Governing Type		electronic governor	Muffler Type		Residential
Governing Class	I	SO 8528 G2	Max. Back Pressure		10 kPa
Compression Ratio	1	14:01	Exhaust Gas Flow (PRP/ESP)		159.2 / 177.6 m ³ /n
Displacement	2	28.14 L	Exhaust Gas Temperature(PRP/ESP)		≤550°C/≤550°C
BorexStroke (mm)		175×195 mm	ALTERNATOR SPECIFICATIONS		IONS
Battery and Charger A	Iternator 2	24V	Rated Output (Prime) (1)		1050kVA / 1000kV
			Rated Output (Stand	dby) (2)	1125kVA / 1100kV
Air Filter Type	[Dry-type, filter cartri	Alternator Make & Model		Stamford S6L1D-E41 LeroySomer TAL-A49-I
Combustion Air Flow	(PRP) 6	65.8 m ³ /min	Number of Poles		4
Combustion Air Flow	(ESP) 7	70.2 m ³ /min	Number of Winding Leads		12 or 6
Radiator Air Flow	1	1700 m³/min	Type of Bearing	Type of Bearing	
COOLING SYSTEM			Insulation Class / Ter	Insulation Class / Temp Rise H/H	
Total Coolant Capaci	ty (L) 1	165 L	Efficiency @ Rated	Efficiency @ Rated Voltage	
Water Pump Type	(Centrifugal Eng-Driven	Ingress Protection F	Ingress Protection Rating	
Radiator Fan Load	3	34 kW	Excitation System	Excitation System	
Heat Radiation to Room (PRP)		64 kW	AVR Model MX321 /		l / R150
Heat Radiation to Roo	m (ESP) 7	72 kW	ALTERNATOR OP	ERATING	DATA
LUBRICATION SYS	ТЕМ		Overspeed		2250 r.p.m
Oil Filter		ТВА	Voltage Regulation		± 0.5 % / ± 1 %
Total Oil Capacity	1	113 L	Waveform distortion		1.5% / < 3.5%) NON-DISTORTING CED LINEAR LOAD < 5.0%
Oil Pan		73 L	Radio Interface BS EN 61000-6-2 & BS EN 61000-6 0875G. VDE 0875N		0-6-2 & BS EN 61000-6-4,VDE 875G, VDE 0875N

⁽¹⁾ **PRIME POWER RATING (PRP)**: PRP is defined as the maximum power which a Generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year. The permissible average power output over 24 hours shall not exceed 70% of PRP unless otherwise agreed by RIC engine manufacturer. An overload capability of 10% of 100% of the prime rated electrical power is permitted for emergency use for a period of 1 hour within 12 hours of operation

Cooling Air Flow

15W-40 in summer; 10W-30 or

other environmentally suitable

⁽²⁾ **EMERGENCY STANDBY POWER RATING (ESP)**: ESP is defined as the maximum power available during a variable electrical power sequence, under the stated operation condition, for which a generating set is capable of delivering power in the event of a utility power outage or under test condition for up to 200 Hours of operation per year. The permissible average output over 24 hour of operation shall not exceed 70 % of the ESP power rating noting that no over load is permitted.

Oil Type

1.41 / 1.0 m³/sec





PI 1125Y

Industrial Generating Set



CONTROLLER SPECIFICATIONS				
Controller Make & Model		DeepSea 6120 MKII		
Operation Mode		MRS / AMF (optional)		
Display	Graphic Back-lit LCD (128x64) pixles			
Ingress Protection Rating		IP65		

Display Graphic Back-lit LCD (128x64) pix			
Ingress Protection Rating		IP65	
Binary Inputs/Outputs		8 / 6	
Analog Inputs		4	
Measurement	Vac, A, Hz, kVA, kW, Vdc		
Event Log	Alarms log, Hrs log		
Communication	USB		

ENCLOSURE SPECIFICATIONS

Enclosure Type	Acoustic & Weather Proof			
Anticorrosive Protection				
Polyester Powder Coated Galvanized Sheet				
Ingress Protection F	IP22			
Lifting	ISO Standard Lifting			
Emergency	External E	mergency Push Botton		
Canopy RAL Color	RAL 9010			
Baseframe RAL Col	RAL 9011			
Noise Pressure level @ 7m		85 dB(A)		

GENSET DIMENSIONS & WEIGHT

GENSET TYPE	Length (mm)	Width (mm)	Height (mm)	Fuel Tank Capacity (L)	Dry Weight (kg) Appx	Wet Weight (kg) Appx
OPEN	4810	2200	2600	NA	8600	8900
CLOSE	20 FEET HC CONTAINER		N/A	10900	11000	

Note: The following dimensions are for preliminary guidance. For more detailed and accurate dimensions, please refer to the General Arrangement Drawing (GAD).

STANDARD MECHANICAL FEATURES

Genset design provides a low noise level with an optimized performance of the ventilation and exhaust systems at 50 $^{\circ}$ C ambient temperature.

Robust structure design of Enclosure and Baseframe.

Hevy duty lifting lugs.

Multi doors for easy access & maintenance.

Ingress Protection Rating according to BS EN 60529.

Heavy Duty Baseframe with built-in tank & forklift pockets.

Residential Grade Muffler with rain cap.

OPTIONAL FEATURES

Advanced Controllers are available on request.

4 poles manual / Motorized Circuit breaker

Pre heating system

Static Battery Charger

Critical grade muffler

Electronic governor

Remote Annunciator

Application

Infrastructure, Industrial , Residential , Telecom, Defense , Mining , Aggriculture

STANDARD ELECTRICAL FEATURES

An advance Control system is designed to provide a comperhensive protection and to monitor the parameters of generating set.

MCCB power circuit breaker.

Battery with charging alternator, cables, and tray.

Sealed harness & high resistant electrical connections.

Fast and accurate protection response.

Generating Set remote start function.

Numeric display with LED. Various languages capable.



info@pi-dubai.com | www.pi-dubai.com

ISO