



PI Model	Output Power Ratings			Prime Power		Standby Power	
	rpm	Frequency	Voltage	kVA	kWe	kVA	kWe
N.A	1500	50Hz	400	N.A	N.A	N.A	N.A
PI 625C	1800	60Hz	480	563	450	625	500

Applicable Standard and References: ISO 8528-1; ISO 3046-1; BS 5514-1
The above given ratings are at 0.8 power factor (PF)

Engine Technical data				Air System				
Engine Make and Model	Cummins QSX15-G9			Air Filter Type	Dry Element (replaceable)			
Cylinders	6 Cylinder, In-Line			Combustion Air Flow m ³ /min. (cfm)	Prime	39.1(1380)		
Intake	Turbocharged, Charged Air Cooled				Standby	42.7(1510)		
Combustion System	Direct Injection			Max Air Filter Intake Restriction	3.74 Kpa			
Displacement	15 Lit			Lubrication System				
Governor	Electronic			Lube Oil	API CH4/CI4; SAE 15W-40			
Emission Regulation	EPA Tier II			Lube Oil Capacity	91 Lit			
Electrical Starting System	24 V starter motor			Oil Pan Max/Min	83/72 Lit			
Fuel System				Cooling System				
Fuel Filter Type	Replaceable Elements			Coolant Capacity	42 L			
Recommened Fuel	Class A2 Diesel			Cooling System	Monted Radiator, Air-Air Charge Cooled			
Fuel Consumption l/hr (US gal/hr)	Standby Power	135.9	(35.9)	Fan Air Flow m ³ /min. (cfm)	708 (25002)			
	Prime Power	117.8	(31.1)	Heat Radiation to Room	Prime	42 kWm		
	75% of Prime	90.5	(23.9)		Standby	36 kWm		
	50% of Prime	65.3	(17.2)					
Exhaust System				Alternator Technical data		Stamford / or equivalent		
Silencer	Grade	Industrial		Model	HCI544D			
	Size	6"		N° of Poles	4		Protection	IP-23
	Qty	1		N° of Terminals	12		Insulation Class	H
Exhaust Gas Flow m ³ /min. (cfm)	Prime	90.6 (3200)		AVR and Excit.	SX440		Total Harmonic	<2%
	Standby	108.9 (3845)		Regulation	+/- 1%		TIF	< 50
Max Allowable Backpressure	10.13 kPa			Cooling Air Flow m ³ /min. (cfm)	78.7 (2780)			
Exhaust Gas Max. Temperature	488°C							
Controller Features		ComAp - AMF9 / DSE (optional)		Gen-set Enclosure Specification (optional)				
Controller Make & Model		DSE 7320 or Eq.		Enclosure Type		Acoustic and Weather Proof		
Operation mode		Auto Main Failure (AMF)		Anticorrosive Protection		Polyester Powder Coated Galvanized Sheet		
Display		Graphic back-lit LCD		Ingress Protection rating		Weather Proof IP23		
Ingress Protection Rating		Sealed front face(IP65)		Transportation		ISO standard lifting		
Configurable Inputs		9		Noise level		65 dba @ 7 meters		
Configurable Outputs		8		Emergency Stop		External Emergency Push Botton		
Measurement	Vac, A, Hz, kVA, kVAR, kW, kWh,		Vdc	Canopy RAL color		RAL 2000		
				Chassis RAL color		RAL 9011		
Event Log		Alarms log, Hours log		Shipping data				
Communication		USB, RS232, RS485		Type	Lenght (mm)	Width (mm)	Hight (mm)	Weight (kg)
Configurable Maintenance alarms		3		Open	3505	1500	2133	4200
				Enclosure	5141	1563	2643	6250

Notes: 1-Prime power rating of generating set is a variable load and unlimited hours usage are applied on the generating set with an average load factor of 80% of the prime rating over each 24 hour period. Noting that a 10% overload is available for 1 hour in every 12 hours operation.

2-Standby power rating of the generating set is a variable load limited to an annual usage upto 500 hours is applied, with 300 hours ff which may be continuous running. Noting that no overload is is permitted.

3- Warranty: one year or (1000) hours which comes first.

4- Referring to our company policy of continuous development, PI reserves the right to change specification without notice.