



PI Model	Output Power Ratings			Prime Power		Standby Power	
	rpm	Frequency	Voltage	kVA	kWe	kVA	kWe
PI 550C	1500	50Hz	400	500	400	550	440
PI 500C	1800	60Hz	480	450	360	500	400

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 QXS15-G8			Air Filter Type	Dry Element (replaceable)			
Cylinders	6 Cylinder, In-Line			Combustion Air Flow m ³ /min. (cfm)	Prime	32.2 (1140)		
Intake	Turbocharged, Charged Air Cooled				Standby	35.7 (1260)		
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	EU Stage 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			
Recommended Fuel	Class A2 Diesel			Cooling System	Monted Radiator, Air-Air Charge Cooled			
Fuel Consumption l/hr (US gal/hr)	Standby Power	123 (32.4)	Fan Air Flow m ³ /min. (cfm)	Heat Radiation to Room	Prime	40 kW		
	Prime Power	103 (27.3)			Standby	44 kW		
	75% of Prime	78.7 (20.8)						
	50% of Prime	54.7 (14.5)						
Exhaust System				Alternator Technical data		Stamford / or equivalent		
Silencer	Grade	Industrial		Model	HC1544D			
	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	81.0 (2860)		AVR and Excit.	SX440		Total Harmonic	<2%
	Standby	91.7 (3240)		Regulation	+/- 1%		TIF	< 50
Max Allowable Backpressure	6.8 kPa			Cooling Air Flow m ³ /min. (cfm)	62.1 (2193)			
Exhaust Gas Max. Temperature	520°C							
Controller Features				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	4250
				Enclosure	5141	1563	2643	6300

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.