



PI Model	Hz/rpm*	Voltage	Continuous	Prime	Standby
PI 379D	50/1500	400/230	311.3 kVA 249.0 kWe	345.8 kVA 276.6 kWe	379.4 kVA 303 kWe
PI 370D	60/1800	480/220	290.4 kVA 232.3 kWe	335.4 kVA 268.3 kWe	370.3 kVA 296.2 kWe

Applicable Standard and References: ISO 8528-1; ISO 3046-1; BS 5514-1

The above given ratings are at 0.8 power factor (PF)

\*Note: The Engine is not switchable for 50 & 60 Hz.

Engine Technical Data				Alternator Technical Data			
Engine Make & Model		Deutz BF6M1015C-G2/G1		Alternator Make & Model		Leroy Somer TAL 046 H	
No. of Cylinders		6 In-line		No. of Poles		4	
Cycle		4		WINDING LEADS		12	
Aspiration		Turbocharged, Charged Air Cooled		No. of Bearings		Single	
Cooling Method		Water		Insulation Class/ Temp Rise		Class H /163 <sup>0</sup> K-27 <sup>0</sup> C	
Governing Type		Electronic (EMR2)		Winding Pitch		TWO THIRDS	
Governing Class		ISO 8528 Part 1 G2		Ingress Protection Rating		IP-23	
Compression Ratio		16.5:1		Excitation System		SHUNT	
Displacement (L)		11.9		AVR Model		R150	
Bore/Stroke (mm)		132/145		Alternator operating Data		50Hz	60Hz
Battery Charger, Ampere		12 Volts DC, 80 Amp		Overspeed (RPM)		2250	
Air System				Voltage Regulation			
Air Filter Type		Dry Element (replaceable)		Wave Form NEMA = TIF		<50	
Combustion Air Flow m <sup>3</sup> /min (cfm)	Standby	N.A	N.A	Wave Form IEC = THF		<2%	
	Prime	22.3 (788)	28.2 (788)	Total Harmonic Content LL/LN		<3.5%	
Radiator Air Flowm <sup>3</sup> /min (cfm)		366 (12919)		Radio Interference		Standard EN61000-6-2:2001	
		67.3(2376)		Cooling Air Flow m <sup>3</sup> /sec(cfm)		0.48 (762.7)	N.A
Cooling System Capacity (L)		91		Controller Technical Data			
Water Pump Type		Centrifugal Engine Driven		Controller Make & Model		DSE 6120 or Eq.	
Radiator Fan Load kW (hp)		8.7 (11.6)		Operation mode		Auto Main Failure (AMF)	
Heat Radiation to Room kW (BTU/min)	Standby	N.A		Display		large back-lit LCD display	
	Prime	28 (1090)		Ingress Protection Rating		Sealed front face(IP65)	
Lubrication system				Binary Inputs/Outputs			
Oil Filter Type		Spin on full flow filter		Analog inputs		4	
Total Oil Capacity I (US gal)		34 (8.9)		Measurement		Vac, A, Hz, kVA, kW, Vdc, kV Ar, pf	
Oil Pan I (US gal)		N.A		Event Log		Alarms log, Hours log	
Oil Type		TRO 199-99-1217		Communication (Optional)		USB, RS232, RS485, GSM, ETHERNET	
Cooling Method		N.A		Gen-set Enclosure Specification (optional)			
Fuel System		50Hz		60Hz		Enclosure Type	
Fuel Filter Type		Spin on fuel filters with water separator				Acoustic and Weather Proof	
Recommended Fuel		Class A2 Diesel				Anticorrosive Protection	
		Prime		Standby		Ingress Protection rating	
		N.A		N.A		Weather Proof IP23	
Fuel Consumption: l/hr (US gal/hr)	110%	N.A	N.A	N.A	N.A	Transportation	
	100%	78.1(20.6)	N.A	79.1	N.A	ISO standard lifting	
	75%	57.4(15.1)	N.A	58.5	N.A	Noise level	
	50%	38.3(10.1)	N.A	39.5	N.A	70 dbA @ 7 meters	
		Prime		Standby		Emergency	
		N.A		N.A		External Emergency Push Botton	
		N.A		N.A		Canopy RAL color	
		N.A		N.A		RAL 2000	
Exhaust System		50Hz		60Hz		Chassis RAL color	
Silencer Size & Model		(4") Industrial				RAL 9011	
Silencer Noise Reduction Level		11-15 dBA				Dimensions	
Max. Back Pressure kPa (in. Hg)		3.0 (0.88)				Open Type	
Exhaust Gas Flow L/s (cfm)	Standby	N.A		N.A		Enclosure	
	Prime	1012 (2135)		67.3(2375.6)		Length (mm)	2989
Exhaust Gas Temperature °C (°F)	Standby	N.A		N.A		Width (mm)	1765
	Prime	520 (968)		465(869)		Height (mm)	2250
		N.A		N.A		Weight (kg)	2523
		N.A		N.A		Fuel Tank Capacity (L)	1300

- Notes:
- 1) Warranty: one year or (1000) hours which comes first.
  - 2) Continuous Power: No time limitation, plus 10% additional power for governing purpose only.
  - 3) Prime Power: Average power output ≤ 80%, no time limitation, plus 5% additional power for governing purpose only.
  - 4) Limited Time Running Power: For up to 500 h/year, thereof a maximum of 300 h/year continuous running.
  - 5) The above rating is based on ISO 8528-5 standard ambient conditions. Deration is applicable for higher temperature; Contact PI.
  - 6) Referring to our company policy of continuous development, PI reserves the right to change specification without notice.

N.A. - Not Available  
 N/A - Not Applicable to this Engine  
 TBD - To Be Determined