



PI Model	HZ/rpm*	Voltage	PRIME	STANDBY
PI 15K	50/1500	400/230	13.3 KVA 10.6 KW	15.6 KVA 12.4 KW
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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		Alternator Technical Data				
Engine Make & Model		KUBOTA 1703-E2BG		Alternator Make & Model	Stamford SOL1-P1	
No. of Cylinders		3		No. of Poles	4	
Cycle		4		WINDING LEADS	12	
Aspiration		Natural		No. of Bearings	Single	
Cooling Method		Water		Insulation Class	Class H	
Governing Type		Mechanical		Winding Pitch	TWO THIRDS	
Governing Class		ISO 8528 Part 1 G2		Ingress Protection Rating	IP-23	
Compression Ratio		23.0:1		Excitation System	Self-Excited	
Displacement (L)		1.647 L		AVR Model	AS540	
Bore/Stroke (mm)		87/92.4		Alternator operating Data		
Battery Charger, Ampere		12 Volts DC, 64 Amp		Overspeed (RPM)	2250	
Air System				Voltage Regulation	± 1 %	
Air Filter Type		Dry (Replacement Element)		Wave Form NEMA = TIF	<50	
Combustion Air Flow m³/min (cfm)	Standby	N.A.		Wave Form IEC = THF	<2%	
	Prime	1.21 (42.7)		Total Harmonic Content LL/LN	<5%	
Radiator Air Flowm³/min (cfm)		29.4 (1038)		Radio Interference	Standard EN61000-6-2:2001	
Cooling System				Cooling Air Flow m³/sec(cfm)	0.058 (122)	
Cooling System Capacity (L)		N.A.		Controller Technical Data		
Pump Type		Centrifugal Engine Driven		Controller Make & Model	DSE 4520 or Eq.	
Blower Fan Load kW (hp)		N.A.		Operation mode	MRS / AMF(Optional)	
Heat Radiation to Room kW (BTU/min)	Standby	N.A.		Display	Graphic back-lit LCD (128x64)pixels	
	Prime	N.A.		Ingress Protection Rating	Sealed front face(IP65)	
Lubrication system				Binary Inputs/Outputs	4 / 4	
Oil Filter Type		Spin on full flow filter		Analog inputs	3	
Total Oil Capacity I (US gal)		7.6 (2)		Measurement	Vac, A, Hz, kVA, kW, Vdc	
Oil Pan I (US gal)		N.A.		Event Log	Alarms log, Hours log	
Oil Type		Above CD grade		Communication (Optional)	USB port	
Cooling Method		Radiator cooling				
Fuel System				Gen-set Enclosure Specification (optional)		
Fuel Filter Type		Spin on fuel filters with water separator		Enclosure Type	Acoustic and Weather Proof	
Recommended Fuel		Class A2 Diesel		Anticorrosive Protection	Polyester Powder Coated Galvanized Sheet	
Fuel Consumption: l/hr (US gal/hr)		Prime	Standby	Ingress Protection rating	Weather Proof IP23	
	110%	N.A.	N.A.	Transportation	ISO standard lifting	
	100%	4.0 (1.0)	N.A.	Noise level	67 dbA @ 7 meters	
	75%	3.2 (0.83)	N.A.	Emergency	External Emergency Push Botton	
	50%	2.5 (0.65)	N.A.	Canopy RAL color	RAL 2000	
Exhaust System				Chassis RAL color	RAL 9011	
Silencer Size & Model		(2") Industrial		Dimensions	Open Type	Enclosure
Silencer Noise Reduction Level		11-15 dBA				
Max. Back Pressure kPa (in. Hg)		7.1 (2.09)		Length (mm)	1600	1900
Exhaust Gas Flow m³/min (cfm)	Standby	N.A.		Width (mm)	750	810
	Prime	3.24 (114.4)		Height (mm)	1100	1180
Exhaust Gas Temperature °C (°F)	Standby	N.A.		Weight (kg)	430	730
	Prime	500 (932)		Fuel Tank Capacity (L)	46	46

- 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) 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