



PI Model	Hz/rpm*	Voltage	PRIME	STANDBY
-	-	-	-	-
PI 16K	60/1800	480V	14.3 KVA 11.4 KW	16.1 KVA 12.8 KW

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 V1505-E2BG	Alternator Make & Model	Stamford SOL1-L1
No. of Cylinders	4	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	24.0:1	Excitation System	Self-Excited
Displacement (L)	1.498 L	AVR Model	AS540
Bore/Stroke (mm)	78/78.4	Alternator operating Data	
Battery Charger, Ampere	12 Volts DC, 30 Amp	Overspeed (RPM)	2250
Air System		Voltage Regulation	± 1 %
Air Filter Type	Dry Element (replaceable)	Wave Form NEMA = TIF	<50
Combustion Air Flow m³/min (cfm)	Standby	N.A.	Wave Form IEC = THF
	Prime	1.17 (41.7)	Total Harmonic Content LL/LN
Radiator Air Flow	TBD	Radio Interference	Standard EN61000-6-2:2001
Cooling System		Cooling Air Flow m³/sec(cfm)	0.07 (148)
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
	Prime	TBD	Graphic back-lit LCD (128x64)pixels
Lubrication system		Ingress Protection Rating	Sealed front face(IP65)
Oil Filter Type	Spin on full flow filter	Binary Inputs/Outputs	4 / 4
Total Oil Capacity I (US gal)	6.7 (1.76)	Analog inputs	3
Oil Pan I (US gal)	N.A.	Measurement	Vac, A, Hz, kVA, kW, Vdc
Oil Type	Class CF lubricating oil as per API	Event Log	Alarms log, Hours log
Cooling Method	Radiator cooling	Communication (Optional)	USB port
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	Ingress Protection rating	Weather Proof IP23
	110%	TBD	N.A.
	100%	TBD	N.A.
	75%	TBD	N.A.
50%	TBD	N.A.	Transportation
		Noise level	ISO standard lifting
		Emergency	65 dbA @ 7 meters
		Canopy RAL color	External Emergency Push Botton
		Chassis RAL color	Emergency Push Botton
			RAL 2000
			RAL 9011
Exhaust System		Dimensions	
Silencer Size & Model	(2") Industrial	Open Type	Enclosure
Silencer Noise Reduction Level	11-15 dBA	Length (mm)	-
Max. Back Pressure kPa (in. Hg)	≤ 7.07 (53)	Width (mm)	-
Exhaust Gas Flow m³/min (cfm)	Standby	Height (mm)	-
	Prime	2.84 (101.4)	Weight (kg)
Exhaust Gas Temperature °C (°F)	Standby	N.A.	-
	Prime	N.A.	-
		Fuel Tank Capacity (L)	-

- 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