



JPG 350P

Output Power Rating			Prime		Standby ***	
rpm	Frequency	Voltage	Kva	Kw	Kva	Kw
1500	50 Hz	400	350	280	400	320
1800	60 Hz	480	400	320	438	350

Switch able speed 1500/1800 rpm

The above kW rating are at 0.8 pf

Guaranteed within condition equivalent to those specification in ISO 8528-1, ISO 3046-1 and BS 5514-1.

* Prime power rating of the generating set is where 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 hours period.

Nothing that a 10% overload is available for 1 hour in every 12 hours operation

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

Engine Technical Data

Engine Make and Model	Perkins 2206A-E13TAG2	
Cylinder	6 Vertical In-Line	
Aspiration	Turbo Charged, Air to Air Charge Cooled	
Combustion System	Direct Injection	
Displacement	12.5 Liters	
Governor	Electronic	
Emissions Regulation	Non-Compliant	
Electrical Starting System	12 Volt, Starter Motor and 24V, 45 Amp Alternator with DC Output	

Air System

Air Filter Type	Paper Element (Replaceable)	
Combustion Air Flow Cm/min(cfm)	Prime	50 Hz
	Standby	60 Hz
	21.3 (752.20)	27.4 (967.62)
	23.6 (832.42)	29.0 (1024.12)
Max Air Filter Intake Restriction	6.4 kpa	

Fuel System

Fuel Filter Type	Ecoplus (Replaceable)	
Recommended Fuel	Class A2 Diesel	
Fuel Consumption l/hr(US gal/hr)	Engine Speed	1500 rpm
	Standby	1800 rpm
	Prime Power	80 (21.1)
	75% of Prime Power	87 (23.0)
	50% of Prime Power	71 (18.8)
		81 (21.4)
		54 (14.3)
		37 (9.80)
Fuel Tank: Open / Close	950 L / 950 L	

Lubrication System

Lube Oil	API-CI4 SAE 15W-40 (-10°C to 50°C Ambient Temperature)	
Lube Oil Capacity	40 L	
Oil Pan	38 L	
Oil Filter Type	Full Flow Ecoplus (Replaceable)	
Oil Cooling Method	Water	

Cooling System

Coolant Capacity	51.4 L	
Cooling System	Mounted Radiator, Water Cooled	
Cooling Fan Air Flow m3/min (cfm)	50 Hz	60 Hz
	654 (23095.79)	788 (27827.96)
Heat Radiation to Room	Prime	50 Hz
	Standby	60 Hz
	24.1 kW	40.3 kW
	32.2 kW	49.5 kW

Exhaust system

Silencer	Grade	Industrial	
	Size	4"	
	QTY	1	
Exhaust gas flow m3/min (cfm)	Prime	56.6 (1998.81)	67.5 (2383.74)
	Standby	64.8 (2288.39)	73.5 (2595.62)
Max Allowable Backpressure	10.0 kpa		10 kpa
Exhaust Gas Max Temperature	50 Hz	60 Hz	
	Prime	630°C	630°C
	Standby	660°C	





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Jimen Power General Trading L.L.C

JPG 350P

Alternator Technical Data		Standford / or L.S							
Model Number	HCI444E								
No. of Poles	4								
Number of terminals (leads)	12								
A.V.R & Excitation	SX 440								
Regulation	± 1.0%								
Ingress Protection	IP-21								
Insulation Class	H								
TIF	<40								
THD at Full Load %	3.1 / 2.9								
THD at No Load %	2.7 / 2.7								
Cooling Air flow-@50 Hz m ³ / min (cfm)	32 (1130.06)								
Cooling Air flow-@60 Hz m ³ / min (cfm)	39 (1377.27)								
Output Voltage	50 Hz				60 Hz				
V	380	400	415	440	415	440	460	480	
kVA	350	350	350	340	380	420	420	420	
kW	280	280	280	272	304	336	336	336	
Alternator performance data									
Reactance (f.l.c.l.f)	xd %	238.2	215	199.7	172.6	260.2	255.9	234.1	215
	xd' %	19.1	17.2	16.0	13.8	20.8	20.5	18.7	17.2
	xd'' %	10.4	9.4	8.7	7.5	11.4	11.2	10.2	9.4
Motor starting capacity based on 30% voltage dip and 0.8 pf (kVA)	790	925	1100	-	610	790	950	1100	
Controller features		DSE							
Controller Make and Model	Auto mains failure (AMF) applications including remote communication, user configuration and complete gen-set monitoring and protection. Ready for generators with 3 ph 4 wire / 3ph 3 wire/ Mono ph								
Engine Protection	* Oil Pressure * Coolant Temperature				* Fuel Level (Optional)				
Generator Protection	* Over / Under Voltage * Over / Under Frequency * Phases Frequency				* Over Current * Charging Alternator Fault				
Inputs and Outputs	* 3 No's Configurable Analog Inputs * 4 No's Binary Inputs				* 6 No's Binary Outputs * D+ Pre-Excitation Terminal				
Event and Performance Log	* Gen-set text Alarm Log * For More Features we can use High Controller				* Engine Hours History Log				
Gen-set Enclosure specification (optional)									
Enclosure Type	Acoustic and Weatherproof								
Anticorrosive Protection	Polyester Powder Coated Galvanized Sheet								
Access Doors	6								
Drainage	Fuel and Water Drainage Provision								
Transportation	Tested Single Point Lifting Facility & Forklift Pockets								
Noise Level (@ Free-Field Conditions)	75 dBA @ 7 meter								
Water Fill	Radiator Water Filling Provision								
Cable Access	Cable Inlet and Outlet Provision								
Emergency stop	External Emergency Push Button								
Canopy RAL Color	RAL 2000								
Chassis RAL Color	RAL 9011								
Shipping Data									
Type	Length (mm)	Width (mm)	Height (mm)	Weight (kg)					
Open	3400	1200	1700	3150					
Enclosed	4420	1600	2260	4450					



Notes:

All Generators carry a one year or (1,000) hour's manufacturer's warranty

In line with our policy of continuous, JIMEN reserves the right to change specification without notice.

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