Hashem Power Solutions

Diesel , Petrol , Solar and Wind Generators

Output Ratings

Generating Set Model	HPS350	HPS400E
380 – 415V , 50 HZ	350.0 KVA 280.0 KW	400.0 KVA 320.0 KW
480V , 60 HZ	400.0 KVA 320.0 KW	438.0 KVA 350.4 KW

***Ratings at 0.8 Power Factor**

Prime Power – Model HPS 350: These ratings are applicable for supplying continuous electrical power (at variable load) in Lieu of Commercially purchased power. This model can supply 10% overload power for 1 hour in 12 hours.

Standby Power – Model HPS 400E: These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO8528-3)

Technical Data

Engine Model	Perkins 2206A-E13TAG2	
Alternator Model	Stamford HCI 444E	
Number Of Cylinders	6in line	
Displacement: Liters (cu.in)	12.5 (762.8)	
Bore/Stoke: mm (in)	130 (5.1) / 157 (6.2)	
Compression ratio	16.3:1	
Induction	Turbocharged Air To Air Charge Cooled	
Frequency	50 HZ	60 HZ
Engine Speed	1500 RPM	1800 RPM
Gross Engine Power: KW(hp)	368.4 (494.0)	405.5 (544.0)
BMEP: KPA (psi)	2357 (341.9)	2162.0 (313.6)
Piston Speed: m/sec (ft/sec)	7.9 (25.9)	9.4 (30.8)
Fuel Tank Capacity: Liters (US Gal)	867 (229.0)	867 (229.0)
Fuel Consumption: HPS 350 : 1/hr (USG/hr)	71.4 (18.9)	86.5 (22.9)
Fuel Consumption: HPS 400E : 1/hr (USG/hr)	79.1 (20.9)	94.3 (24.9)
Heat Rejection to Exhaust System : KW (Btu/min)	245.3 (13950)	306.5 (17430)
Heat rejection to Water & Lube Oil: KW (Btu/min)	128.5 (7308)	148.9 (8468)
Heat Radiated to Room\: KW (Btu/min)	32.0 (1820)	47.3(2690)
Exhaust Temperature: °C (°F)	630 (1166)	660 (1220)
Radiator Cooling Air Flow: m3/min (cfm)	599.4 (21168)	742.8 (26232)
Combustion Air Flow: m3/min (cfm)	23.6 (833)	25.7 (908)
Exhaust Gas Flow: m3/min |(cfm)	64.6 (2281)	73.5 (2596)

Dimensions and Weights

Length: cm	Width: cm	Height: cm	Weight: kg
325	112	207	3366

***Generating set pictured may include optional accessories**

HPS 350-400E

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