



# Hashem Power Solutions

Diesel , Petrol , Solar and Wind Generators

## Output Ratings

Generating Set Model	HPS 150	HPS 165E
380 – 415V , 50 HZ	150.0 KVA 120.0 KW	165.0 KVA 132.0 KW

\*Ratings at 0.8 Power Factor

**Prime Power – Model HPS 150:** 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 165E:** 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 1006TAG2
Alternator Model	Stamford UCI 274F
Number Of Cylinders/Alignment	6 in line
Cubic Capacity: Liters (cu.in)	6.0 (365.5)
Bore/Stroke: mm (in)	100.0 (3.9) / 127.0 (5.00)
Compression ratio	17.0:1
Aspiration	Turbocharged, Air To Air Charge Cooled
Frequency	50 HZ
Engine Speed	1500 RPM
Gross Engine Power: KW(hp)	150.7 (202)
BMEP: KPA (psi)	2015 (292.2)
Piston Speed: m/sec (ft/sec)	6.4 (20.8)
Fuel Tank Capacity: Liters (US Gal)	300 (79.3)
Fuel Consumption: HPS 150 : 1/hr (USG/hr)	31.2 (8.2)
Fuel Consumption: HPS 165E : 1/hr (USG/hr)	33.5 (8.8)
Heat Rejection to Exhaust System : KW (Btu/min)	140.3 (7979)
Heat rejection to Cooling System: KW (Btu/min)	72.9 (4146)
Total Radiated Heat: KW (Btu/min)	42.9 (2440)
Exhaust Temperature: ° C ( ° F)	540 (1004)
Radiator Cooling Air Flow: m3/min (cfm)	221.2 (7811)
Combustion Air Flow: m3/min (cfm)	10.6 (374)
Exhaust Gas Flow: m3/min (cfm)	29.9 (1056)

## Dimensions and Weights

Length: cm	Width: cm	Height: cm	Weight: kg
270	90	147	1535

\*Generating set pictured may include optional accessories



## HPS 150-165E

**Note:** Standard reference conditions 27 ° C (80 ° F) Air Intel Temp, 152.4m (500ft) A.S.L 60% relative humidity. All engine performance data based on the above mentioned maximum continuous ratings. Fuel consumption data at full load with diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998, Class A2