



# Hashem Power Solutions

Diesel , Petrol , Solar and Wind Generators

## Output Ratings

Generating Set Model	HPS 635	HPS 700E
380 – 415V , 50 HZ	635.0 KVA 508.0 KW	700.0 KVA 560.0 KW

\*Ratings at 0.8 Power Factor

**Prime Power – Model HPS 635:** 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 700E:** 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 Make & Model	Perkins 2806A-E18TAG2
Alternator Model	Stamford HCI 544F
Number Of Cylinders/Alignment	6in line
Displacement: Liters (cu.in)	18.1 (1104.5)
Bore/Stoke: mm (in)	145.0 (5.7) / 183.0 (7.2)
Compression ratio	14.5:1
Induction	Turbocharged Air To Air Charge Cooled
Frequency	50 HZ
Engine Speed	1500 RPM
Gross Engine Power: KW(hp)	628.0 (842.0)
BMEP: KPA (psi)	2771.0 (401.9)
Piston Speed: m/sec (ft/sec)	9.0 (29.5)
Fuel Tank Capacity: Liters (US Gal)	1000 (264.2)
Fuel Consumption: HPS 635 : 1/hr (USG/hr)	125.6 (33.2)
Fuel Consumption: HPS 700E : 1/hr (USG/hr)	140.0 (37.0)
Heat Rejection to Exhaust System : KW (Btu/min)	442.8 (25182)
Heat rejection to Water & Lube Oil: KW (Btu/min)	200.0 (11374)
Heat Radiated to Room: KW (Btu/min)	40.5 (2303)
Exhaust Gas Temperature: ° C ( ° F)	563 (1045)
Radiator Cooling Air Flow: m3/min (cfm) Cooling system designed to operate in ambient conditions up to 50 ° C (122 ° F)	660.0 (23308)
Combustion Air Flow: m3/min (cfm)	36.7 (1296)
Exhaust Gas Flow: m3/min  (cfm)	123.0 (4344)

## Dimensions and Weights

Length: mm (in)	Width: mm (in)	Height: mm (in)	Dry: kg (lb)	Wet: kg (lb)
4111 (161.9)	1536 (60.5)	2246 (88.4)	4800 (10582)	4870 (10736)



## HPS 635-700E

\*Generating set pictured may include optional accessories