



Output Ratings

Generating Set Model	HPS 725	HPS 800E
380 – 415V , 50 HZ	725.0 KVA 580.0 KW	800.0 KVA 640.0 KW
480V , 60 HZ	750.0 KVA 600.0 KW	844.0 KVA 675.2 KW

*Ratings at 0.8 Power Factor

Prime Power – Model HPS 725: 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 800E: 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 4006TAG2A	
Alternator Model	Stamford HCI 634G	
Number Of Cylinders	6 in line	
Displacement: Liters (cu.in)	22.9 (1398.7)	
Bore/Stroke: mm (in)	160 (6.3) / 190 (7.5)	
Compression ratio	13.6:1	
Induction	Turbocharged, AA Charge Cooled	
Frequency	50 HZ	60 HZ
Engine Speed	1500 RPM	1800 RPM
Gross Engine Power: KW(hp)	711 (953)	759.0 (1018)
BMEP: KPA (psi)	2481 (359.9)	2208 (320.2)
Piston Speed: m/sec (ft/sec)	9.50 (31.2)	11.4 (37.4)
Fuel Tank Capacity: Liters (US Gal)	1494 (394.7)	1494 (394.7)
Fuel Consumption: HPS 725 : 1/hr (USG/hr)	149.8 (39.6)	167.0 (44.1)
Fuel Consumption: HPS 800E : 1/hr (USG/hr)	163.4 (43.2)	189.1 (50.0)
Heat Rejection to Exhaust System : KW (Btu/min)	499 (28378)	680.0 (38671)
Heat rejection to Water & Lube Oil: KW (Btu/min)	230 (13080)	243 (13819)
Heat Radiated to Room\ : KW (Btu/min)	88.7 (5044)	98.9 (5624)
Exhaust Temperature: ° C (° F)	430 (806)	430 (806)
Radiator Cooling Air Flow: m3/min (cfm)	1134 (40047)	1326 (46827)
Combustion Air Flow: m3/min (cfm)	71 (2507)	73 (2578)
Exhaust Gas Flow: m3/min (cfm)	180 (6357)	190 (6710)

Dimensions and Weights

Length: mm(in)	Width: mm(in)	Height: mm(in)	Dry: kg (lb)	Wet: kg(lb)
4280 (168.5)	1912 (75.3)	2277 (89.6)	6059 (13358)	6170 (13603)

*Generating set pictured may include optional accessories



HPS 725-800E

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