



Output Ratings

Generating Set Model	HPS 1500	HPS 1650E
380 – 415V , 50 HZ	1500.0 KVA 1200.0 KW	1650.0 KVA 1320.0 KW

*Ratings at 0.8 Power Factor

Prime Power – Model HPS 1500: 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 1650E: 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 4012-46TAG2A
Alternator Model	Stamford PI 734C
Number Of Cylinders	12 Vee
Cubic capacity: Liters (cu.in)	45.8 (2797.5)
Bore/Stroke: mm (in)	160 (6.3) / 190 (7.5)
Compression ratio	13.0:1
Aspiration	Turbocharged, AA Charge Cooled
Frequency	50 HZ
Engine Speed	1500 RPM
Gross Engine Power: KW(hp)	1437 (1927)
BMEP: KPA (psi)	2508 (363.7)
Piston Speed: m/sec (ft/sec)	9.50 (31.2)
Fuel Consumption: HPS 1500 : 1/hr (USG/hr)	296.6 (78.4)
Fuel Consumption: HPS 1650E : 1/hr (USG/hr)	326.3 (86.2)
Heat Rejection to Exhaust System : KW (Btu/min)	1050 (59712)
Heat rejection to Cooling System: KW (Btu/min)	485 (27581)
Total Radiated Heat: KW (Btu/min)	105 (5971)
Exhaust Temperature: °C (°F)	450 (842)
Radiator Cooling Air Flow: m3/min (cfm)	1212 (42801)
Combustion Air Flow: m3/min (cfm)	128 (4520)
Exhaust Gas Flow: m3/min (cfm)	315 (11124)

Dimensions and Weights

Length: mm(in)	Width: mm(in)	Height: mm(in)	Dry: kg(lb)	Wet: kg(lb)
5095 (200.6)	1900 (74.8)	2435 (95.9)	9720 (21429)	9910 (21848)

*Generating set pictured may include optional accessories



HPS 1500-1650E

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