



### Output Ratings

Generating Set Model	HPS60	HPS65E
380 – 415V , 50 HZ	60.0 KVA 48.0 KW	65.0 KVA 52.0 KW
480V , 60 HZ	68.8 KVA 55.0 KW	75.0 KVA 60.0 KW

\*Ratings at 0.8 Power Factor

**Prime Power – Model HPS60:** 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 65E:** 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 1103A-33TG2	
Alternator Model	Stamford UCI224E	
Number Of Cylinders	3 in line	
Displacement: Liters (cu.in)	3.3 (201.4)	
Bore/Stroke: mm (in)	105.0 (4.1) / 127.0 (5.0)	
Compression ratio	17.25:1	
Induction	Turbocharged	
Frequency	50 HZ	60 HZ
Engine Speed	1500 RPM	1800 RPM
Gross Engine Power: KW(hp)	60.5 (81.0)	69.6 (93.0)
BMEP: KPA (psi)	1467.0 (212.8)	1407.0 (204.0)
Piston Speed: m/sec (ft/sec)	6.4 (20.8)	7.6 (25.0)
Fuel Tank Capacity: Liters (US Gal)	175 (46.2)	175 (46.2)
Fuel Consumption: HPS 60 : 1/hr (USG/hr)	13.8 (3.6)	15.9 (4.2)
Fuel Consumption: HPS 65E : 1/hr (USG/hr)	15.1 (4.0)	17.4 (4.6)
Heat Rejection to Exhaust System : KW (Btu/min)	45.5 (2588)	53.8 (3060)
Heat rejection to Water & Lube Oil: KW (Btu/min)	37.7 (2144)	42.8 (2434)
Heat Radiated to Room\ : KW (Btu/min)	16.7 (950)	17.9 (1018)
Exhaust Gas Temperature: ° C ( ° F)	571 (1060)	564 (1047)
Radiator Cooling Air Flow: m3/min (cfm)	110 (3899)	145.8 (5149)
Combustion Air Flow: m3/min (cfm)	3.9 (138)	4.8 (170)
Exhaust Gas Flow: m3/min  (cfm)	10.4 (367)	12.5 (441)

### Dimensions and Weights

Length: cm	Width: cm	Height: cm	Weight: kg
202	73	124	960

\*Generating set pictured may include optional accessories



## HPS 60-65E

**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