



Output Ratings

Generating Set Model	HPS 13.5 - 4	
	Prime	Standby
380 – 415V , 50 HZ	12.5 KVA 10.0 KW	13.8 KVA 11.0 KW
220 / 127V , 60 HZ	15.0 KVA 12.0 KW	16.2 KVA 13.0 KW

***Ratings at 0.8 Power Factor**

Prime Rating: These ratings are applicable for supplying continuous electrical power in Lieu of Commercially purchased power. This model can supply 10% overload for 1 hour In 12 hours.

Standby Rating: These ratings are applicable for supplying continuous electrical power in the event Of utility power failure. No overload is permitted on these ratings.

Technical Data

Engine Model	Perkins 403D-15G	
Alternator Model	Stamford BCA 164C	
Number Of Cylinders	3 in line	
Cubic Capacity: Liters (cu.in)	1.50 (91.3)	
Bore/Stoke: mm (in)	84 (3.3) / 90 (3.5)	
Compression ratio	22.5:1	
Aspiration	Naturally Aspirated	
Frequency	50 HZ	60 HZ
Engine Speed	1500 RPM	1800 RPM
Gross Engine Power: KW(hp)	13.5 (18.0)	16.2 (22)
BMEP: KPA (psi)	722 (104.7)	722 (104.7)
Piston Speed: m/sec (ft/sec)	4.5 (14.8)	5.4 (17.7)
Fuel Tank Capacity: Liters (US Gal)	45 (11.9)	45 (11.9)
Fuel Consumption, HPS 12.5 : 1/hr (USg/hr)	3.6 (1.0)	4.3 (1.1)
Fuel Consumption, HPS 13.5E : 1/hr (USg/hr)	4.0 (1.1)	4.7 (1.2)
Heat Rejection to Exhaust System : KW (Btu/min)	10.3 (586)	11.8 (671)
Heat rejection to Cooling System: KW (Btu/min)	14.6 (830)	16.9 (961)
Total Radiated Heat: KW (Btu/min)	3.5 (199)	4.3 (245)
Exhaust Temperature: ° C (° F)	480 (896)	505 (941)
Radiator Cooling Air Flow: m3/min (cfm)	31.2 (1102)	43.2 (1526)
Combustion Air Flow: m3/min (cfm)	1.1 (38)	1.2 (43)
Exhaust Gas Flow: m3/min (cfm)	2.2 (78)	3.4 (119)

Dimensions and Weights

Length: mm (in)	Width: mm (in)	height: mm(in)	Dry: kg (lb)	Wet: kg (lb)
1320 (52)	552 (21.7)	1179 (46.4)	387 (853)	393 (866)
Dry = With Lube Oil		Wet = With Lube Oil and Coolant		

*Generating set pictured may include optional accessories



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Note: Standard reference conditions 25 ° C (77 ° 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