

Output Ratings		
Generating Set Model	P635P5	P700E5
380 – 415V, 50 Hz	635.0 kVA 508.0 kW	700.0 kVA 560.0 kW
220/127V, 60 Hz	-	-

Ratings at 0.8 pf

Ratings Definitions

Prime Power – Model P635P5

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 P700E5

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 model is peak continuous rated (as defined in ISO 8528-3).

Technical Data

Engine Make & Model:	Perkins 2806A-E18TAG2	
Alternator Model:	LL7024H	
No. of Cylinders/Alignment:	6 / In Line	
Displacement: Litres (cu.in)	18.1 (1104.5)	
Bore/Stroke: 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	60 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: Litres (US Gal)	1000 (264.2)	-
Fuel Consump, P635P5: 1/hr (USg/hr)	125.6 (33.2)	-
Fuel Consump, P700E5: 1/hr (USg/hr)	140.0 (37.0)	-
Heat Rejected to Exhaust System: kW (Btu/min)	442.8 (25182)	-
Heat Rejected 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: m ³ /min (cfm)		
Cooling system designed to operate in ambient conditions up to 50°C (122°F)*	660.0 (23308)	-
Combustion Air Flow: m ³ /min (cfm)	36.7 (1296)	-
Exhaust Gas Flow: m ³ /min (cfm)	123.0 (4344)	-

* Contact your local Marapco dealer for power ratings at specific site conditions.

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)
Dry = With Lube Oil		Wet = With Lube Oil and Coolant		

Marapco
GENERATORS



YOUR PARTNER IN POWER

P635P5 / P700E5

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Website:www.marapco.com

N. Ireland - UK

Made in UK

In line with our policy of continuous product development, we reserve the right to change specification without notice.



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