

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

Ratings at 0.8 power factor.

Ratings Definitions

Prime Power - Model P635P5

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and 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 on this 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,		
l/hr (USg/hr) P635P5	125.6 (33.2)	-
Fuel Consump,		
l/hr (USg/hr) P700E5	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 Radiation to Room: kW (Btu/min)	40.5 (2303)	-
Exhaust Gas Temperature: °C (°F)	563 (1045)	-
Radiator Cooling		
Air Flow: m³/min (cfm)		
Cooling system designed to operate in ambient conditions up to 50°C (122°F)*	660.0 (23308)	-
Combustion Air Flow: m³/min (cfm)	36.7 (1296)	-
Exhaust Gas Flow: m³/min (cfm)	123.0 (4344)	-

* Contact your local FG Wilson 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

Ratings in accordance with ISO 8528, ISO 3046, IEC 60034, BS5000 and NEMA MG-1/22. Generating set pictured may include optional accessories.



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P635P5 / P700E5



FG Wilson has manufacturing facilities in the following locations:

Northern Ireland · Brazil · China · India · USA

With headquarters in Northern Ireland, FG Wilson operates through a Global Dealer Network. To contact your local Sales Office please visit the FG Wilson website at www.FGWilson.com

