

Product Specifications for 404D-22G



Total Power Range

Gross Mechanical Output	18-24 kWm
Typical Electrical Output	20-26 kVA (16-21 kWe)
Rated Speed	1500/1800 rpm

Emission Standards

Emissions	UN ECE R96 Stage IIIA constant speed and U.S. EPA Stationary Emergency Engine
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50 Hz Typical Electrical Output

Prime	20.3 kVA
Standby	22.1 kVA

60 Hz Typical Electrical Output

Prime	19.2 kWe
Standby	21.3 kWe

General

Number of Cylinders	4 inline
Bore	84 mm
Stroke	100 mm
Displacement	2.2 l
Compression Ratio	23.3:1
Aspiration	Naturally aspirated

Combustion System	Indirect injection
Rotation from Flywheel End	Anti-clockwise
Cooling System	Liquid
Aftertreatment	-
Typical Alternator Efficiency	87-89%
Switchable	Yes

ElectropaK Dimensions

Length	948 mm
Width	498 mm
Height	841 mm
Dry Weight	242 kg

Disclaimer

Note 1	*Final dimensions dependent on selected options
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Note 2 ESE (1800 rpm) only - Emergency Stationary Equipment

Definitions

Prime Power	Power available at variable load in lieu of a main power network. Overload of 10% is permitted for one hour in every 12 hours of operation.
Standby Power	Power available at variable load in the event of a main power network failure. No overload is permitted.

404D-22G Standard Equipment

Air inlet system

Mounted air filter

Control system

12 volt Electronic Shut Off Solenoid (ESOS) energised to run
12 volt starter motor and 12 volt 14 amp alternator with DC output
Glow plug cold start aid and heater/starter switch
Oil pressure and coolant temperature switches

Cooling system

Thermostatically controlled system with belt driven coolant pump and pusher fan
Mounted radiator, piping and guards

Flywheel and flywheel housing

1500/1800 rpm high inertia flywheel to SAE J620 size 7½ heavy flywheel housing SAE 4 long
3000 rpm high inertia flywheel to SAE J620 size 7½ light flywheel housing SAE 4 short

Fuel system

Mechanically governed cassette type fuel injection pump
Split element fuel filter

General

Front and rear engine mounting bracket

Oil system

Wet steel sump with filler and dipstick
Spin-on full flow lubricating oil filter