Solution NRJ

TECHNICAL SHEET

Perkins 20 kW



Perkins 20 kW diesel generator

Enclosed, sound-attenuated generator set for residential and commercial backup or job sites.

$21,000 CAD

before taxes

SPECIFICATIONS

Engine	Perkins 404D-22G, 4 cylinders	**Enclosure**	Sound-attenuated
Output	20 kW · 20 kVA	**Fuel tank**	400 litres
Voltage	120/240 V · Single-phase · 60 Hz	**Block heater**	Included
Also available in	120/208 V, 277/480 V and 347/600 V three-phase, same price	**Battery charger**	Smart, included
Power factor	1.0	**Controller**	Deep Sea DSE6120
Alternator	Genuine Stamford	**Certifications**	CSA · EPA Tier 3

TECHNICAL DATA AND EQUIPMENT

PERKINS ENGINE 404D-22G

Cylinders	4 inline, 4-stroke
Aspiration	Naturally aspirated
Displacement	2.2 L (2,216 cc)
Bore × stroke	84 × 100 mm
Compression ratio	23.3:1
Speed	1,800 rpm
Speed governor	Mechanical, droop ≤ 1%
Cooling	Liquid
Oil (total capacity)	10.6 L
Coolant	7 L
Fuel use at 75% load	About 4.3 L/h
Starting	Electric 12 V DC

STAMFORD ALTERNATOR

Model	Stamford PI144D, CSA approved
Excitation	Brushless
Voltage regulation	± 0.5% (no load to full load)
Insulation class	H
Protection rating	IP23

DSE6120 CONTROL PANEL

- Automatic start on utility power failure
- Display: voltage, frequency, engine speed, battery, running hours
- Automatic shutdown: low oil pressure, high temperature, overspeed, failure after 3 start attempts
- Schneider main breaker · ground fault relay
- Panel lighting, timer and LCD screen
- Low fuel level alarm

CONSTRUCTION

- Built-in containment base: oil or coolant leaks are collected, with no spill
- Large doors, quick-release handles, key lock
- Single-side servicing; opening front panel to clean the radiator
- Industrial silencer and flexible exhaust hose

INCLUDED

- Block heater and glow plugs
- Smart battery charger
- Prepared (oil, Prestone) and load-bank tested 2 h, 10% to 110%

MAINTENANCE

- Break-in: 60 h · oil: 250 h · fuel filter: 500 h
- Perkins filter numbers: generatricediesel.com/en-ca/technical-support/

Factory tested at 50, 75, 100 and 110% load · designed to ISO 8528, NEC and CEC. Warranty of 1 year or 1,500 hours, whichever comes first. Quotation: 438-350-6979 or ventes@solutionnrj.com. Product page and photos online.