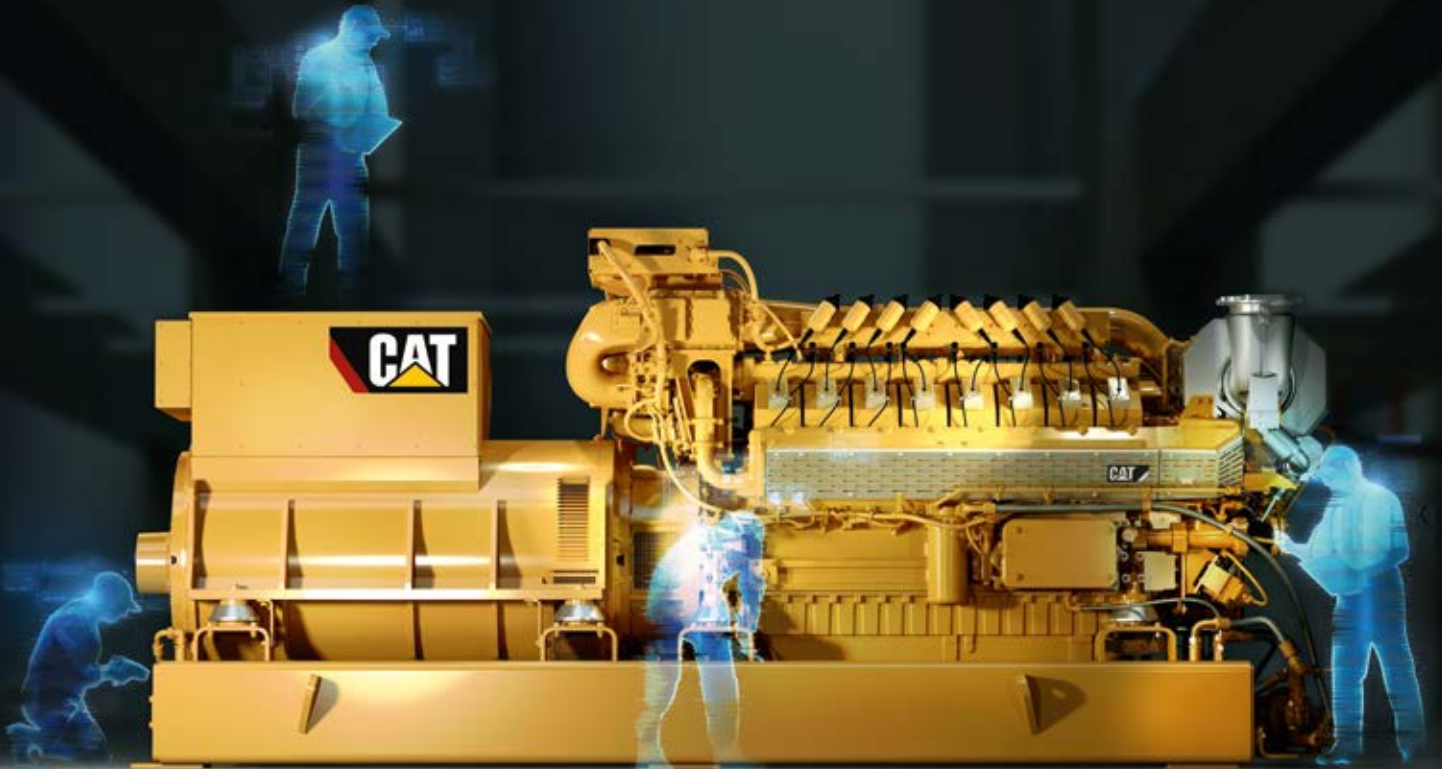


NEW: CG132B-16 1MW

1 MEGAWATT PURE POWER. DIGITALLY ASSISTED.



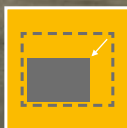
OUTSTANDING PRICE PERFORMANCE

due to high electrical efficiency,
low investment and service costs



LOWER LUBE OIL CONSUMPTION

leads to lower operating costs



THE MOST COMPACT DESIGN IN ITS CLASS

Low plant investment costs, due to highest
power density and space saving design



IMPROVED DURABILITY

ensures higher reliability and availability
at various site conditions

BUILT FOR IT.™

NEW ON THE BLOCK.

■ OUTSTANDING PRICE-PERFORMANCE

- > Low investment and service costs while still sustaining high electrical efficiency
- > Fast payback period of power plant due to lower investment costs

■ OPTIMIZED LUBE OIL MANAGEMENT

- > Lowest-in-class lube oil consumption : 0.1 g/kWh_{el}
- > Longer oil change intervals
- > Integrated oil and refill tanks

■ FLANGED GENSET CONCEPT

- > Vibration-decoupled base frame for lower installation costs and reliable operation
- > Greater integrated lube oil volume
- > Easy oil management

■ TPEM – THE NEW CONTROL SYSTEM

- > Easy human-machine interface
- > Fully integrated remote access
- > Expanded scope, e.g. synchronization, power switch and plant control

■ IMPROVED TURBO CHARGER FOR A WIDE FIELD OF DEPLOYMENT

- > Longer maintenance interval
- > Wider suction air temperature window

■ HIGHER AVAILABILITY AND LONGER USEFUL LIFE

- > Optimized combustion through evenly charged cylinders
- > Lower peak pressure fluctuations
- > Smoothly running, low-vibrating genset

■ HIGHEST POWER DENSITY IN ITS POWER NODE

- > Highest power density and smallest footprint
- > Low power plant investment costs

TECHNICAL DATA 50Hz

ENGINE TYPE			CG132B-16 1MW	
Bore/Stroke	mm	in	132/160	5,2 / 6,3
Displacement	dm ³	cu in	35.0	2,135.8
Speed	min ⁻¹		1,500	
Mean piston speed	m/s	ft/s	8.0	26.2
Length¹⁾	mm	in	4,200	165
Width¹⁾	mm	in	1,780	70
Height¹⁾	mm	in	2,150	85
Dry weight genset	kg	lb	8,070	17,791

1) Transport dimensions for gensets, separate components set up must be taken into consideration

2) NO_x ≤ 500 mg/Nm³; 1g/bhp-h; exhaust gas dry at 5% O₂.

3) According to ISO 3046-1 at U = 0,4 kV, cosphi = 1,0 for 50 Hz, a minimum methane number of MN 80 for natural gas.

4) Exhaust gas cooled to 120 °C (248° F) for natural gas.

NATURAL GAS APPLICATIONS 50Hz

NO_x ≤ 500 mg/Nm³ 2) / NO_x ≤ 500 mg/Nm³; 1g/bhp-h 2)

ENGINE TYPE	CG132B-16 1MW			
Electrical power³⁾	kW	1,000	kW	1,000
Mean effective pressure	bar	23.5	psi	340.8
Thermal output⁴⁾	kW	1,139	MBTU/hr	3,889
Electrical efficiency³⁾	%	41.0	%	41.0
Thermal efficiency³⁾	%	47.0	%	47.0
Total efficiency³⁾	%	88.0	%	88.0

The values given on these datasheets are for information purposes only and not binding. The information given in the offer is decisive.

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