

30 MW HFO / Diesel Used Power Plant

MAN 3 x 12V48/60 Generators

Complete good condition power plant with three identical diesel generators with MAN B&W 12 cylinder 500 rpm HFO engines and Siemens alternators each generating 10 MW / 11 kV / 50 Hz.

The equipment was manufactured in 1996, engines have approx 65,000 operating hours and all equipment are very well maintained and in good condition. Cooling of engines is arranged with a cooling tower. The plant has Siemens made LV and HV (vacuum breakers) equipment, engine control is refurbished to Siemens Simatic ET200 PLC. With the delivery, there are plenty of original MAN spare parts. The complete plant is fully in operational condition and it has detailed service records and original manuals.

Manufacturer:	MAN B&W
Manufacturer's type:	3 x 12V48/60
Made in year:	1996
Capacity:	30 MW
Application:	Diesel Power Plant
Engine rotation speed:	500 rpm
Bore and stroke:	480 / 600 mm
Total running hours:	approx 65,000 h / engine
Fuel:	HFO up to 700 cSt at 50°C
Alternator:	Siemens 1DK 11 kV/50Hz, cos fee 0.8
Control system:	Siemens Simatic ET 200 + PC

Main equipment:

Engines:	3 x MAN B&W 12V48/60
Alternators:	3 x Siemens 1DK 11 kV/50Hz, cos fee 0.8
Fuel oil separators:	3 x Westfalia OSB 35 - 036 – 066
Fuel oil booster unit	3 pcs
Fuel oil transfer pumps	3 pcs
Lubrication oil separators:	3 x Westfalia OSB 35 - 96 – 066
Lubrication oil filters	3 x automatic and 3 x manual
Lubrication oil storage tank	50 m3
HT and LT heat exchangers:	3 x Alfa-Laval
Steam generators (LFO)	2 x 950 kg (year 2007)
Black start unit:	Cummins 625 kVA
LV cabinets	Siemens
11 kV HV breakers	Siemens Vacuum CB
Plant control system:	MAN PC with process screens
DC system	Controls and batteries (year 2008)
Station transformer:	22kV/400V
Step up transformer:	11/22 kV
Exhaust gas stack	3 x 65 meter with silencers

Location: Europe
Price: On Request