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N·E·G MICON®

– for a powerful future

Spinner

Hub

Main bearing

Main shaft

Rotorblade

Gear

Yaw-gear

Cooling system

Disc brake

Servicecrane

Generator

Tower
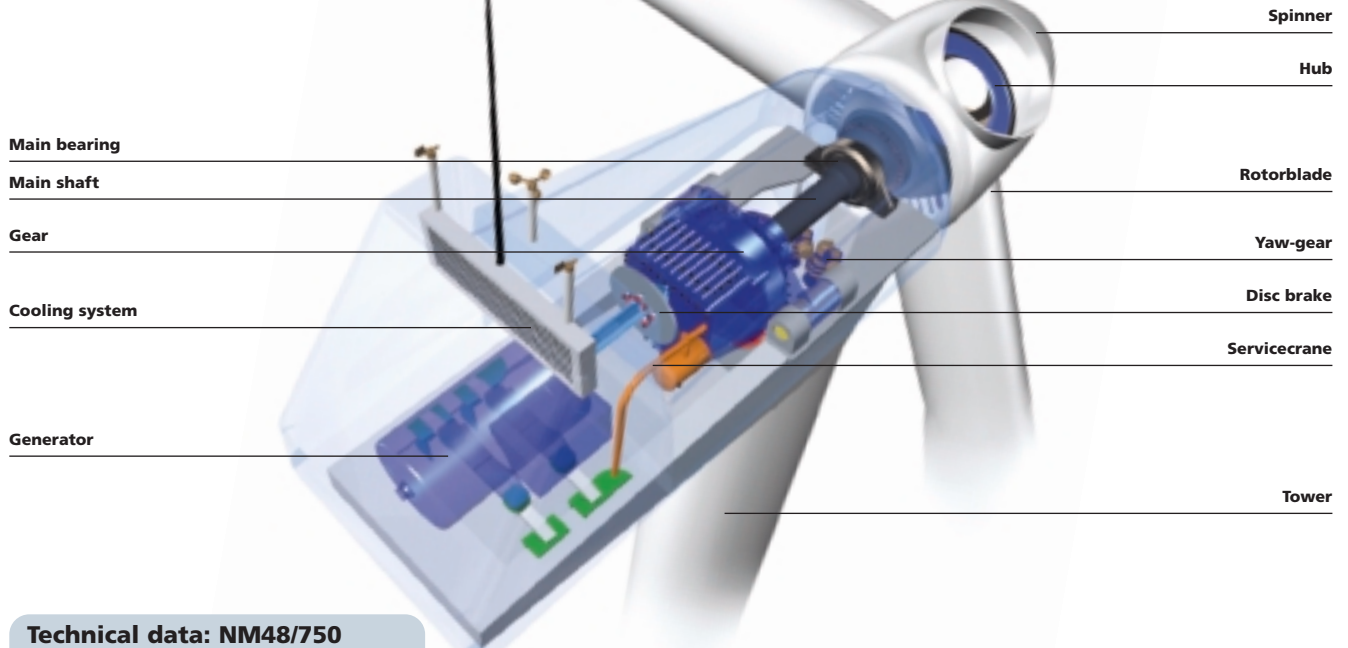
Technical data: NM48/750

Operational parameters

Nominal output	750 kW
Power regulation	Stall
Nominal wind speed	16 m/s
Cut-in	4 m/s
Cut-out	25 m/s

Rotor

Rotor diameter	48.2 m
Rotor swept area	1824 m²
Number of blades	3
Rotor revolutions	22/15 rpm
Rotor placing	Upwind rotor

Brake system

Blade tip air brake	Hydraulic, fail-safe
Disk brake	Hydraulic, fail-safe

Drive train

Gear type	Planetary - parallel axle
Ratio	1:67.5
Main shaft	Forged shaft and flange
Main bearing	Spherical roller bearing
Cooling	Heat exchanger with pump

Generator

Type	Asynchronous, 4/6 pole
Nominal voltage	690 V
Nominal frequence	50 Hz
Name plate rating	750/200 kW
Cooling	Liquid-cooled with pump

Yaw system

Type	Ball bearing
Yaw brake	3 Friction brake/motor brake
Drive mechanism	4 electrical planetary gears

Tower

Type	Conical, steel, painted
Hub height	In accordance with approval

Controller

|	
Type	Computer controlling
Computer controlling	Soft by thyristors
Capacitor bank	No-load compensated
Remote control	By modem

Sensors

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RPM sensors	Rotor, generator, yaw system
Temperature sensors	Gear, generator, controller
Thermal sensors/warning	Main switch, engine protection
Vibration sensor	Nacelle, rotor
Meteorology	Anemometer, wind vanes, thermometer
Hydraulic systems	Pressure sensitive switches, pressure transducer

Lightning protection

According to standard	IEC 1024
Blades	Receptor in the blade tips
Nacelle	Arial

Noise level

Noise impact dB(A)

Distance from wind turbine (metre)

Power curve

kW

Meter/sec.
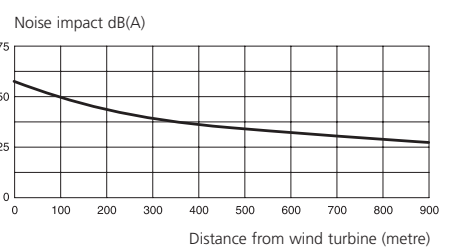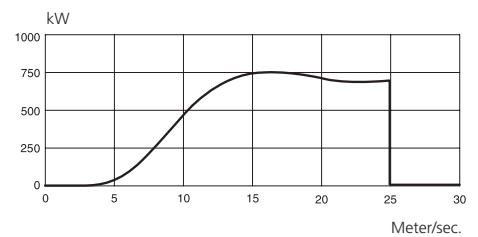
Please note that the power curve has been noted at standard atmospheric density according to DIN ISO 2533.
Please note that the rotor and the hub heights have been approved for specific markets and wind classes – please call for further information.
NEG Micon A/S reserves the right to change specifications and to use components of alternative manufacture without prior notice.
Alternative components will be of the same high quality and standard as in this survey

DANAK
Reg.nr. 5001
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