

GEV MP R 200-275 kW

TECHNICAL
DESCRIPTION



TURBINE CONCEPT

- Rated Power **275 kW**
- Blades 2 blades - down wind
- Gearbox 2 stage planetary
- Hub Teetering hub
- Pitch Hydraulic pitch
- Generator Asynchronous
- Tower Tubular
3 sections of 11.8 m (38.9')
- Yaw Active yaw
- Output Voltage & Frequency 400 V - 50 Hz or 460 V - 60 Hz
- Power control Pitch
- Reactive power control Capacitor bank

PACKING & INSTALLATION

- Nacelle weight 9 t
- Tower weight 11 t
- Packing 4 x 40' containers
Blades
- Concrete 50 m³ (65 cu.yd)
- Erection 50 t crane

OPERATION

- Cut in speed 3,5 m/s
- Cut out speed 20 m/s
- Hub height 32 m (105')
- Rotor diameter 32 m (105')
- Max wind speed
Operation 52,5 m/s (instant)
- Temperature -10°C to 45°C (14°F to 113°F)

POWER CURVE

Hub height wind speed (m/s)	Power (kW)
d=1,225kg.m ³	Class III
3	0
4	3
5	18
6	36
7	58
8	98
9	141
10	189
11	243
12	272
13	275
14	275
15	275
16	275
17	275
18	275
19	275
20	275

CERTIFICATION

- DEWI (power curve & noise curve)