

mitsubishi WIND TURBINE



MWT92 2.4MW



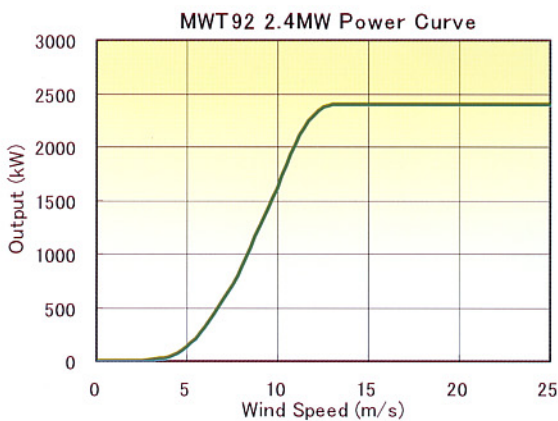
MWT92

2.4MW

What's your benefit?

High performance and High reliability with,

- More Energy with 92m Large Rotor-dia.**
- Individually controlled Pitch System**
- Variable speed with RCC type or Double-fed type Generator**
- Down Wind Soft Support System with SmartYaw**
- On Board Transformer**



Operational Data		
Rated Power	2.4 MW	
Hub Height	70m / 80m / 90m / 100m	
Power Regulation	Pitch + RCC	Pitch + D.F
Frequency	60 Hz	50 Hz / 60 Hz
Cut-in Wind Speed	3.0 m/s	
Rated Wind Speed	12.5 m/s	
Cut-out Wind Speed	25 m/s	
Survival Wind Speed	60 m/s	

Rotor		
Number of Blades	3	
Material	GFRP	
Diameter	92m	
Swept Area	6647m ²	
Rotor Speed (Variable)	14.5 - 16.3 rpm	9.0 - 16.9 rpm
Tilt Angle	5 deg	
Cone Angle	2 deg	

Gearbox		
Type	3 Stage (1 Planetary, 2 Parallel)	
Gear Ratio	82.7	76.9 / 91.9

Generator		
Type	RCC	D.F + IGBT
Voltage	690V	690V
Operational Speed	1200 - 1340 rpm	690 - 1300 rpm (50Hz) 830 - 1550 rpm (60Hz)

Safety and Control System		
Aerodynamic Brake	Individual Pitch Brake	
Mechanical Brake	High Speed Shaft Brake (for Maintenance)	
SmartYaw	Down Wind Soft Support System (DWSS)	
Individual Pitch	Load Stabilizing and Optimizing	
IEC Class	Class II A	

Tower		
Type	Monopole Taper Steel	

※RCC; Rotor Current Control, D.F; Double-fed
These specifications may change without notice.

MITSUBISHI HEAVY INDUSTRIES, LTD.

Head Office

3-1, Minatomirai 3-chome, Nishi-ku, Yokohama 220-8401, Japan

Phone: 81-45-224-9545 Fax: 81-45-223-1725 URL: <http://www.mhi.co.jp>

<North America>

Mitsubishi Power Systems, Inc. (MPS)
100 Colonial Center Parkway, Lake Mary,
FL 32746, U.S.A.

Phone: 1-407-688-6100
Telefax: 1-407-688-6480
URL: <http://www.mpsHQ.com>

Los Angeles Office

100 Bayview Circle, Suite 4000
Newport Beach, CA 92660, U.S.A.
Phone: 1-949-856-8400
Telefax: 1-949-856-4481, 4482

<Europe>

Mitsubishi Heavy Industries Europe, Ltd. (MHIE)

Head Office

3rd Floor, Thavies Inn House, 3-4 Holborn Circus,
London EC1N 2HA, United Kingdom
Phone: 44-20-7842-8100
Telefax: 44-20-7842-8101

Munich Branch

Sonnenstr. 32 6F, 80331 Munich, Germany
Phone: 49-89-211079-0
Telefax: 49-89-211079-33

Paris Liaison Office

3 Ave. Hoche 75008, Paris, France
Phone: 33-1-4267-6075
Telefax: 33-1-4267-9011

Madrid Branch

C/Serrano 21, 4ª Planta, 28001 Madrid, Spain
Phone: 34-91-577-1632, 576-7591, 576-9320
Telefax: 34-91-576-6653

