

MET TURBOCHARGERS

METurbo

MET-MBII Series

MET-MBII Series, the latest type of axial turbocharger for achieving a further increase in air flow volume while maintaining the reliability and ease of maintenance of the MET-MB turbocharger.

The MBII turbocharger provides 16% larger air flow volume than the MET-MB Series, which leads one models more compact compared to previous models.

**Features**

- ▶ MET-MBII takes advantage of MET-MB features
- ▶ Increased air-flow rate by 16%
- ▶ Downsizing by increasing air flow

Type		MET33MBII	MET37MBII	MET42MBII	MET48MBII	MET53MBII	MET60MBII	MET66MBII	MET71MBII	MET83MBII
Max. Pressure Ratio	-	5.0								
Engine Output Range per Turbocharger	kW	3,400 - 6,000	4,600 - 7,600	5,600 - 9,300	7,200 - 11,900	9,000 - 14,900	11,200 - 18,400	14,000 - 23,100	16,400 - 27,100	22,500 - 37,100
Maximum Continuous Gas Temperature before Turbine	°C	580								
Momentary Maximum Gas Temperature before Turbine	°C	610								
Length	mm	1,870	2,080	2,190	2,400	2,610	2,960	3,200	3,290	3,940
Breadth	mm	899	998	1,094	1,255	1,390	1,530	1,718	1,820	2,233
Height	mm	945	1,095	1,171	1,330	1,439	1,570	1,780	1,865	2,225

* 対応機関出力は圧力比4.0の目安値

MET-MB Series

Global standard turbochargers for marine and stationary engines for MAN Energy Solutions, WinGD and J-ENG.

Features

- ▶ Applicable to all major engines(MAN ES, WinGD, J-ENG)
- ▶ Advanced aerodynamic design based on numerous tests and analysis results
- ▶ Easy overhaul
- ▶ Crew-maintainable design
- ▶ Condition based maintenance
- ▶ High reliability
- ▶ High efficiency
- ▶ Applicable to heavy fuel oil

Type		MET33MB	MET37MB	MET42MB	MET48MB	MET53MB	MET60MB	MET66MB	MET71MB	MET83MB	MET90MB
Max. Pressure Ratio	-	5.0									
Engine Output Range per Turbochaeger	kW	2,600 - 4,600	3,800 - 6,300	4,700 - 7,700	6,000 - 10,000	7,500 - 12,500	9,300 - 15,500	11,700 - 19,400	13,700 - 22,700	18,800 - 31,100	22,900 - 37,900
Maximum Continuous Gas Temperature before Turbine	°C	580									
Momentary Maximum Temperature before Turbine	°C	610									
Length	mm	1,661	1,851	1,944	2,280	2,504	2,825	3,065	3,143	3,771	4,241
Breadth	mm	899	998	1,134	1,255	1,417	1,530	1,785	1,820	2,233	2,465
Height	mm	945	1,095	1,155	1,330	1,435	1,540	1,720	1,865	2,180	2,410

* Engine Output Range is the reference values subject to pressure ratio 4.0.