



Chapter 4-1

Forced Draft Fan

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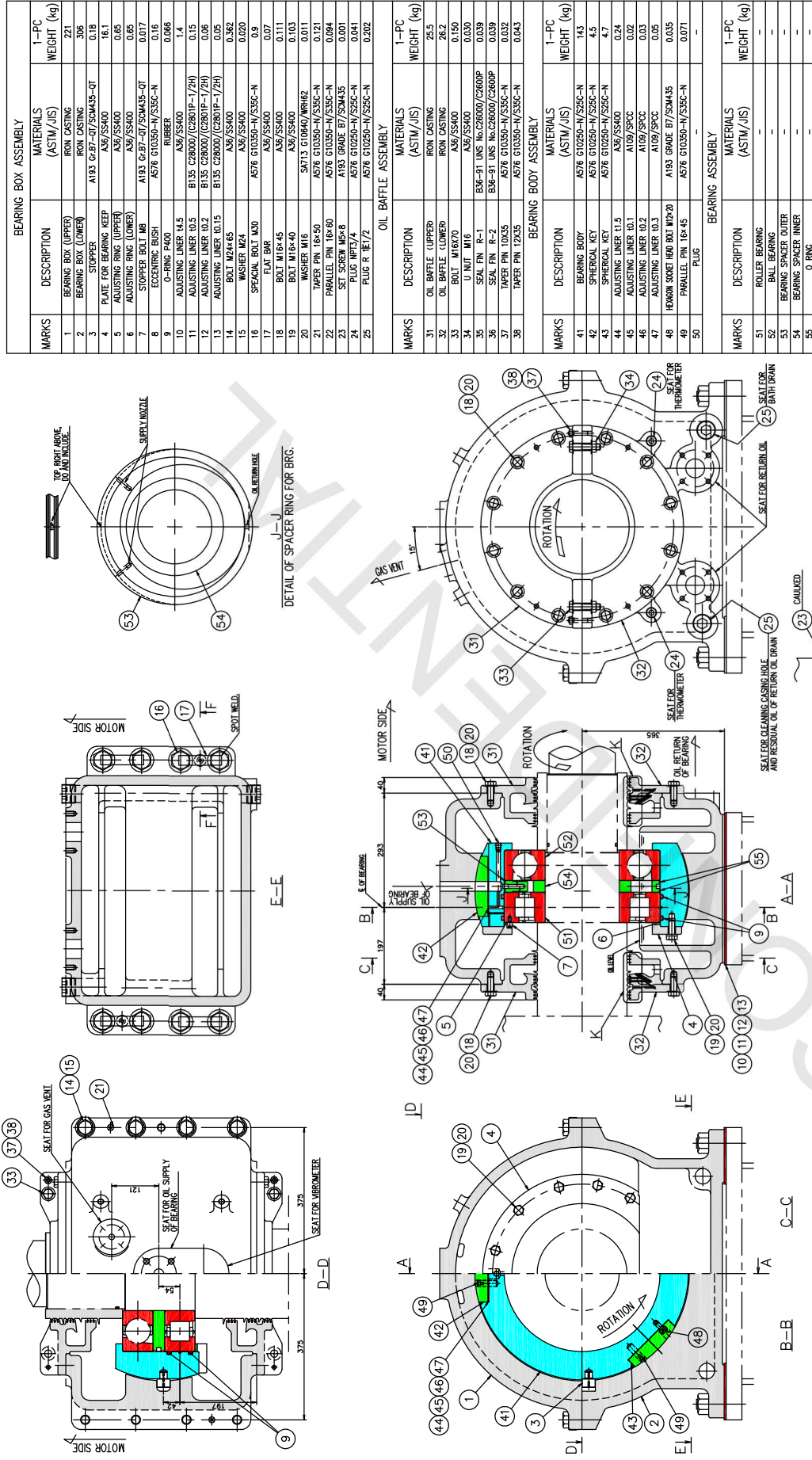
4-1 Forced Draft Fan

4-1.1 Fan Specification and Construction Details

4-1.1.1 Specification

TABLE 4-1.1.1 FORCED DRAFT FAN

Subject		Specifications
Equipment number		Unit 5: 50HLB01AN101, 50HLB11AN101 Unit 6: 60HLB01AN101, 60HLB11AN101
Quantity		Two (2) per Unit
Fan	Manufacturer	MHPS
	Model	ML-H1-R132/270
	Type	Axial Fan, Variable Blade Control
Coupling	Manufacturer	MHPS
	Type	Rigid coupling (with intermediate shaft)
Bearing	Manufacturer	JTEKT Corporation
	Type	Anti-Friction bearing (MHPS special type)
Major material	Casing	Rolled Steel for General Structure
	Rotor	Forged Steel
	Moving Blade	Forged Aluminum
	Main Shaft	Forged Steel
	Bearing (Box/Body)	Cast Iron / Bearing Steel & Carburizing Steel
	Coupling	General Carbon Steel
Rotating Speed (Synchronous)		1000min ⁻¹
Blade		14
Performance Characteristics		
Direction of Rotation		Clockwise (Viewed from motor side)
Capacity (each fan)		20,600 m ³ /min
Suction press.		-4.9 mbar(g)
Discharge press.		44.1 mbar(g)
Fluid		Air
Fluid temperature at inlet		35°C
Fluid density (design)		1.128 kg/m ³



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FIGURE 4-1.1.10 BEARING BOX ASSEMBLY

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