



## Chapter 4-3

---

# Induced Draft Fan

### Contact Address

For any question or any clarification required, please do not hesitate to contact Mitsubishi Heavy Industries, Ltd. (MHI) through the following address.

Mitsubishi Heavy Industries, Ltd.

Energy Transition & Power Headquarters, Energy Systems,

Steam Power Maintenance Innovation Business Division,

Nagasaki Solution Business Department, Overseas Business Group C,

1-1, Akunoura Machi, Nagasaki 850-8610.

Japan.

Tel. No: +81-80-9938-0035

Working Hours: 08.30 hrs. to 17.30 hrs. JPT (Except on Saturdays, Sundays and Holidays)

## 4-3 Induced Draft Fan

### 4-3.1 Fan Specification and Construction Details

#### 4-3.1.1 Specification

TABLE 4-3.1.1 INDUCED DRAFT FAN

Subject		Specifications
Equipment number		Unit5:50HNC01AN101,50HNC11AN101 Unit6:60HNC01AN101,60HNC11AN101
Quantity		Two (2) per unit
Fan	Manufacturer	MHPS
	Model	ML-H2-R208/390
	Type	Indoor type Axial Fan with Blade Pitch Control
Coupling	Manufacturer	KTR
	Type	Flexible Coupling
Bearing	Manufacturer	JTEKT Corporation
	Type	Anti-Friction bearing (MHPS special type)
Major Material	Casing	General carbon steel
	Moving Blade	Forged steel
	Rotor	Forged steel
	Main Shaft	Forged steel
	Bearing (Box/Body)	Cast iron/bearing steal & carburizing steel
	Coupling	General carbon steel
Synchronous speed		750 min <sup>-1</sup>
Blades/stage		16/2
<b>Design performance characteristics</b>		
Direction of Rotation		Clockwise (Viewed from motor side)
Capacity (each fan)		51,700 m <sup>3</sup> /min
Suction Press		-45.1.mbar (g)
Discharge Press		60.8 mbar (g)
Fluid		GAS
Fluid temperature at inlet (design)		150°C
Fluid density (design)		0.7925 kg/m <sup>3</sup>

