



TOP MIND

Hot Air Generator

The Hot Air Generator (HAG) is a rugged, high-efficiency heating system designed for industrial, commercial, defense, and large-space heating applications. Offered in direct-fired and indirect-fired configurations, it provides rapid heat-up, uniform air distribution, precise temperature control, and dependable performance in demanding environments.



TECHNICAL SPECIFICATIONS

Type	Direct Fired
Heat Output	10,000 Kcal/hr to 5,00,000 Kcal/hr
Equivalent Capacity	Approx. 11 kW to 580 kW
Air Flow Rate	100 to 50,000 m ³ /hr
Hot Air Temperature	20°C to 400°C (Up to 600°C Special)
Design Ambient	-40°C ±5°C
Temperature Control	PID, ±2°C Accuracy

Fuel Options	HSD, LPG, Natural Gas, Biomass, Briquettes, Electricity
Fuel Consumption	1-60 L/hr (Oil), 5-60 Nm ³ /hr (Gas)
Combustion Efficiency	85-90%
Operating Pressure	Atmospheric
Power Supply	415V/220V, 3 Phase / 1 Phase, 50 Hz
Compliance	IS Standards / CE / ASME (Where Applicable)
Mounting	Skid-Mounted, with Mobility

Salient Features

- Direct / Indirect Fired Options
- Wide Capacity Range (10,000 Kcal/hr – 5,00,000 Kcal/hr)
- High Efficiency (85-90% Combustion)
- Multi-Fuel Operation (HSD, LPG, Natural Gas, Biomass, Briquettes, Electricity)
- High Temperature Output (20°C to 400°C; up to 600°C)
- Extreme Climate Ready (-40°C ±5°C ambient)
- Precise Temperature Control (PID, ±2°C accuracy)
- Automatic Safety System (Ignition, Monitoring, Shutdown)
- Ductable Design for Single/Multi-Zone Distribution

Key Advantages

- Rapid Heat-up for Large Spaces
- Uniform Air Distribution via Insulated Ducting
- Flexible Multi-Zone Heating
- Lower Operating Cost
- Safe Indoor Operation with Indirect-Fired Models
- Low Maintenance & Easy Service Access
- Reliable 24x7 Operation in Harsh Conditions

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