

Air heaters DH



Thermal capacity
20 - 407 kW

Air-flow
1600 - 26000 m³/h

connectable to:

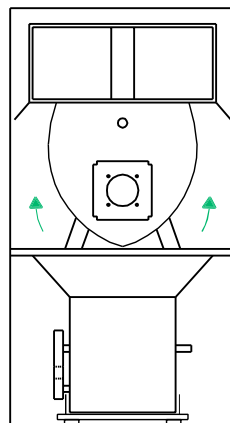
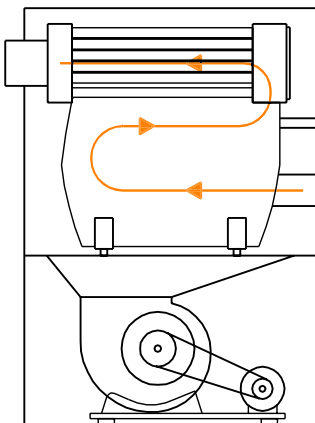
- › oil burners
- › natural gas burners
- › LPG burners

applications

- › Industries, Workshops & Warehouses
- › Shopping Malls & Exhibitions
- › Churches
- › Sports Centers
- › Greenhouses & Stockbreeding units
- › Material drying

operation

- › The air is drawn by the fan around the combustion chamber and through the secondary flue gas to air heat exchanger.
- › The heated air is thrown into the room, either by a free discharge plenum box or via ducts & diffusers.



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advantages

- › Operation strictly during the working hours, without wasting time and energy on preheating or conserving the system
- › Low cost installation, operation & maintenance
- › High combustion efficiency ~ 90%
- › Control switch for automatic – safe operation connectable to room thermostat
- › Vertical or horizontal configuration
- › Fresh air intake up to 100%, with mixing box and damper
- › Possible use for ventilation during the summer months
- › High quality and long life construction

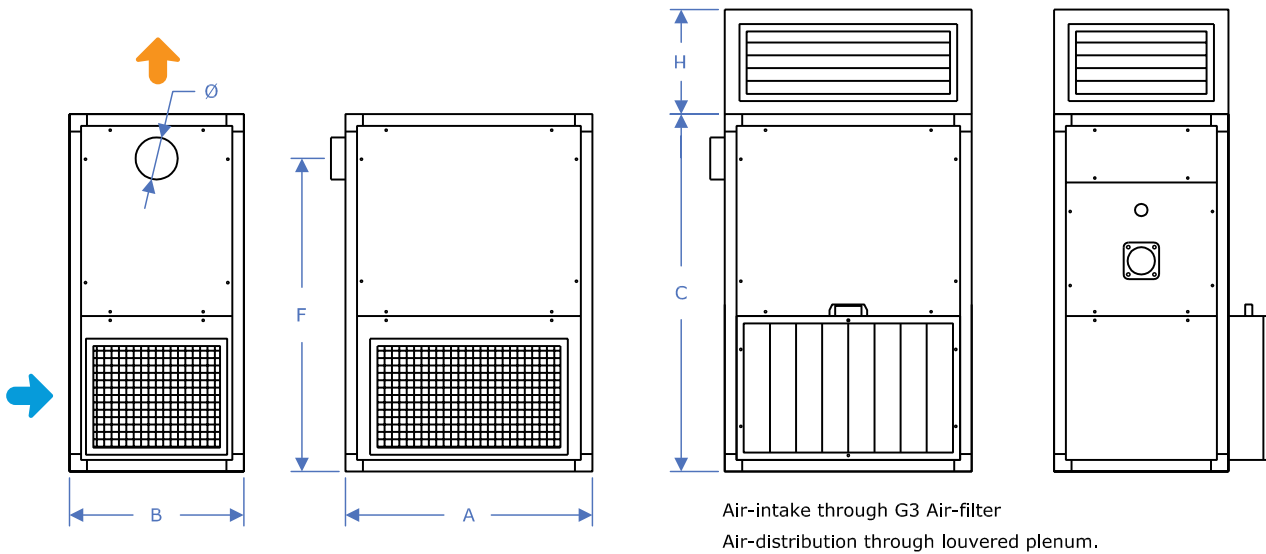
types

- › DH up to 407kW
- › DHC compact with intergraded burner up to 35kW

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construction

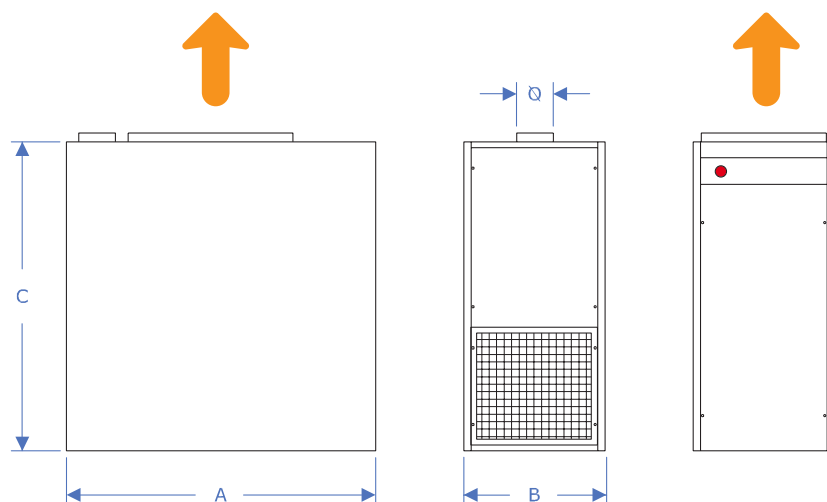
- > Double skinned galvanized steel casing panels with intermediate 30mm insulation, externally coated in RAL color
- > G3 category air filter on the air-intake
- > Centrifugal, low noise fan, direct or belt driven designed for the required static pressure
- > 3 pass flue-gas heat exchanger & stainless steel turbulators
- > Stainless steel AISI 304 combustion chamber



Type DH	35	45	60	85	100	145	200	250	300	350
Heating Capacity [KW]	40.7	52	70	100	116	169	232	290	349	407
Air Flow [m ³ /h] *	2800	3800	4500	6500	7500	10500	15000	18000	22000	26000
Max. oil con. [Kg/h]	3.8	4.75	6.4	9.6	11	15.1	22	28	34	39
Fan power [kW] **	0.75	0.75	1.1	1.5	2.2	3	4	5.5	5.5	7.5
Voltage [V]~50Hz	230/400	230/400	230/400	400	400	400	400	400	400	400
Dimensions (mm)										
A	800	1000	1000	1200	1200	1300	1550	1650	1650	2050
B	600	700	700	800	800	1000	1150	1250	1250	1350
C	1270	1500	1500	1720	1850	1850	2400	2680	2680	2730
H	360	360	360	360	360	360	360	460	460	460
Ø	145	145	145	195	195	195	245	245	295	295
F	1100	1320	1320	1500	1600	1600	2000	2300	2300	2350

*ΔT=43K, Tin=20 °C **ΔPst, ext. = 200 Pa

Compact Air heaters DHC



Type DHC	20	30
Heating Capacity [KW]	25	35
Combustion efficiency (%)	88.2	88.6
Air Flow* [m ³ /h]	1800	2400
Fan power [W]	370	370
Voltage [V]~50Hz	230	230
DIMENSIONS		
A	1010	1050
B	420	480
C	905	1050
Ø	115	125

* $\Delta T=40K$, $\rho=1.2kg/m^3$, $\Delta P_{st, ext.} = 200 Pa$

construction

- > Galvanized steel casing panels with internal insulation, externally coated in RAL color
- > G3 air filter on the air-intake
- > Centrifugal, low noise, direct driven fan
- > 3 pass flue-gas heat exchanger & stainless steel turbulators
- > Stainless steel AISI 304 combustion chamber

advantages

- > Built-in burner forming a compact, space saving unit
- > Flexible & easy installation
- > Connectable to air ducts