

# DIRECT FIRED WARM AIR HEATER UHR

- Oil or gas fired
- Chromium steel combustion chamber
- Warehousing, Workshops, Showrooms, Factories, Garages, Spraying Cabinets, Drying Tunnels Etc.
- Standard or customised

## Description

The UHR direct oil and/or gas fired warm air heaters are mainly applied for heating industrial processes. These versatile units are also used for the heating of warehouses, workshops, showrooms, factories, garages, poultry housing and the furniture industry. The UHR is used globally in spraying cabinets and drying tunnels for luxury vehicles and yachts.

These units can be used in vertical or horizontal positions due to the flexibility of our design. As well as 13 standard models we also supply customised models to comply with your project and demands.

Because the UHR is oil and/or gas fired, it can be supplied with or without a high quality burner. Where your own burner is used, we will supply a customised securing plate following your specifications. Every UHR can therefore be used with every type of burner. The chromium steel combustion chambers are supplied by us with a guaranteed long life expectancy.

## Function

The chromium steel combustion chamber is heated by fuel from a burner. The air is heated when the IMOFA circulates the air around the combustion chamber. The air is then distributed through the room by the air distribution system. For a more standard application such as setting up directly in the room, we propose the multi-directional air distribution plenum PL4.

## Installatie

The technical installation of a UHR must be performed by a professional technician, in accordance with the national and regional standards. Always install the UHR in a sufficiently ventilated area.

## Technical specifications

The UHR is constructed from durable, corrosion-proof and low maintenance coated panels in a light grey colour (RAL 7035); other colours are available on request. The components, including the chromium steel chamber and centrifugal fan, are built in a welded frame construction. The panels are thermally and acoustically insulated. Every unit is completely wired and ready for use. The UHR is available in 13 standard models or customised models following customer specifications.

Compliance as per the Standards stated in Machine Directive 89/336 EC (attachment 2B) and the Low Voltage Directive 73/23/EEC and Directive 90/396/EEC.



## Componenten

- high capacity chromium steel combustion chamber according to Directive 90/396/EEC, CE0063 Certification number E3110
- high capacity IMOFA-centrifugal fan
- fan thermostat and maximum high limit safety cut-out
- mixing box with dampers (optional)
- maintenance switch (optional)
- mounted oil- and/or gas burner (optional)
- multi directional air distribution plenum (optional)
- filter section (optional)
- room thermostat RT-1 (optional)

## Model

Vertical (V) standard  
Horizontal (H) on request

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## Technical data

UHR	Model	Type	Unit	UHR-25	UHR-30	UHR-40	UHR-55	UHR-70	UHR-100
Heating capacity <sup>1)</sup>	Vertical (URH-V)	Oil	kW	24	30	36	50	70	100
		Gas	kW	-	-	-	-	51	69
	Horizontal (URH-H)	Oil	kW	-	-	-	50	70	100
		Gas	kW	-	-	-	-	51	69
Fan		type		DD-10-10-9	DD-10-10-9	DD-10-10-9	DD-12-9-9	DD-12-9-9	HE-450
Air volume		m <sup>3</sup> /h		2800	2800	2800	5000	5000	9000
External resistance <sup>2)</sup>		Pa		80	80	80	100	100	100
Sound <sup>3)</sup>		dB(A)		51	51	51	54	54	57
Weight		kg		150	150	150	280	280	450
Filters		class		G3	G3	G3	G3	G3	G3
Motor rating		kW		0,245	0,245	0,245	0,920	0,920	0,75
Maximum current		A		2,3	2,3	2,3	7,0	7,0	2,1
Electrical connection		V/ph/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230-400/3/50
Article number		UHR-V <sup>4)</sup>		994-025			994-055		994-100
		UHR-H <sup>5)</sup>		995-025			9945-055		995-100

UHR	Opstelling	Type	Unit	UHR-130	UHR-150	UHR-185	UHR-250	UHR-300	UHR-350	UHR-450
Heating capacity <sup>1)</sup>	Vertical (URH-V)	Oil	kW	125	150	185	220	270	350	420
		Gas	kW	95	105	127	148	200	263	342
	Horizontal (URH-H)	Oil	kW	125	150	185	220	-	-	-
		Gas	kW	95	105	127	148	-	-	-
Fan		type		HE-450	HE-500	HE-500	HE-500	HE-500	HE-630	HE-800
Air volume		m <sup>3</sup> /h		9000	14000	14000	14000	16000	23000	34000
External resistance <sup>2)</sup>		Pa		100	100	100	100	100	100	100
Sound <sup>3)</sup>		dB(A)		57	60	60	60	61	63	66
Weight		kg		450	510	510	510	590	880	950
Filters		class		G3	G3	G3	G3	G3	G3	G3
Motor rating		kW		0,75	1,10	1,50	1,50	1,50	3,00	4,00
Maximum current		A		2,1	3,0	3,7	3,7	3,7	7,1	8,7
Electrical connection		V/ph/Hz		230-400/3/50	230-400/3/50	230-400/3/50	230-400/3/50	230-400/3/50	230-400/3/50	230-400/3/50
Article number		UHR-V <sup>4)</sup>		994-100	994-150			994-300	994-350	
		UHR-H <sup>5)</sup>		995-100	995-150		995-250	995-300	995-350	

1) Nominal capacity (Q<sub>nom</sub>.)

2) Dependant on the type of fan, other fans available on request

3) Sound pressure measured at 3 metre distance from the outlet nozzle ref 10e-12W. All values+/- 3 dB(A)

4) Vertical standard flue tube at the back

5) Horizontal standard flue tube on the surface

## Product Options

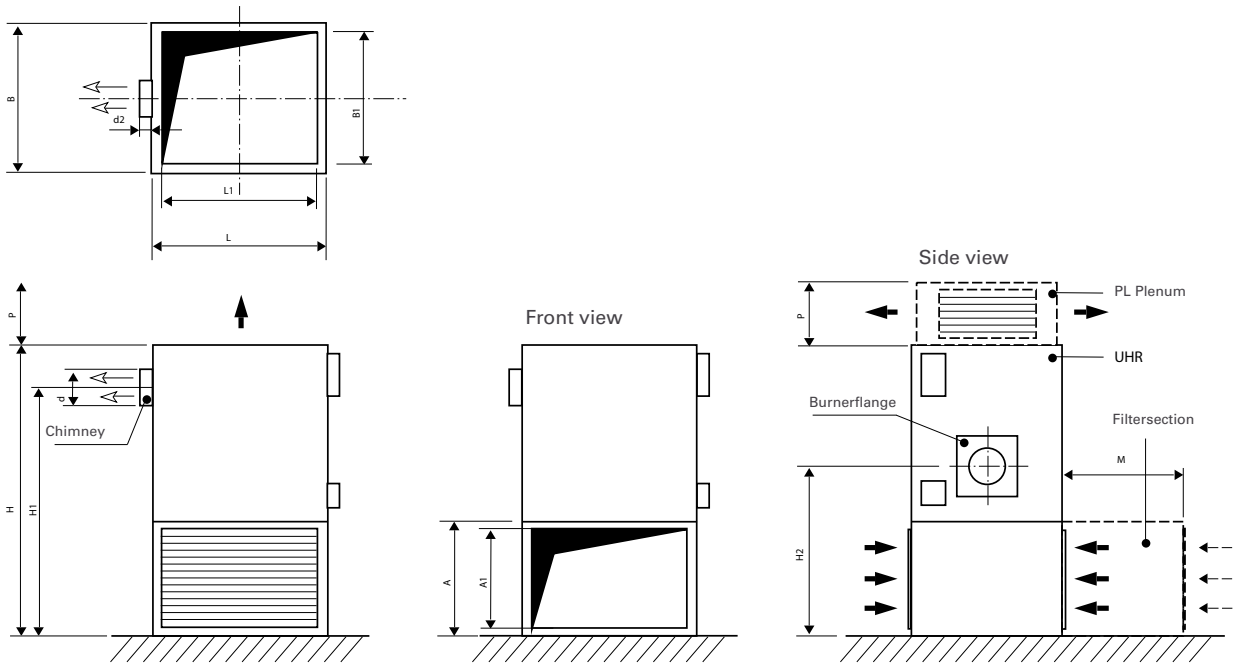
UHR	Type	UHR-25	UHR-30	UHR-40	UHR-55	UHR-70	UHR-100	UHR-130
Outlet plenum (4 sided) with dual adjustable outlet blades <sup>1)</sup>	PL	091-215			091-220		091-225	
Return grille	RR	091-505			091-510		091-515	
Filter frame (flat filter)	FK	111-305			111-310		111-315	
Oil and/or gas burner	B	Various possibilities available on request						

UHR	Soort	UHR-150	UHR-185	UHR-250	UHR-300	UHR-350	UHR-450
Outlet plenum (4 sided) with dual adjustable outlet blades <sup>1)</sup>	PL	091-230			091-235		091-330
Return grille	RR	091-520			091-525		091-530
Filter frame (flat filter)	FK	111-320			111-325		111-330
Oil and/or gas burner	B	Various possibilities available on request					

1) Verticle version only

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## Measurements



## Dimensions

	UHR-25	UHR-30	UHR-40	UHR-55	UHR-70	UHR-100	UHR-130	UHR-150	UHR-185	UHR-250	UHR-300	UHR-350	UHR-450
L	720	720	720	820	820	1220	1220	1420	1420	1420	1620	1820	1820
B	620	620	620	820	820	1020	1020	1220	1220	1220	1220	1520	1820
H	1200	1200	1200	1600	1600	2030	2030	2110	2110	2110	2110	2900	3210
H1	1025	1025	1025	1400	1400	1830	1830	1880	1880	1880	1895	2530	2910
B1	540	540	540	740	740	940	940	1120	1120	1120	1120	1420	1720
A	470	470	470	630	630	780	780	860	860	860	860	1100	1355
A1	410	410	410	570	570	700	700	780	780	780	780	1020	1275
L1	640	640	640	740	740	1140	1140	1320	1320	1320	1520	1720	1720
P	260	260	260	260	260	260	260	260	260	260	260	430	430
M	500	500	500	500	500	500	500	600	600	600	600	600	600
d	150	150	150	200	200	200	200	250	250	250	300	400	400
d2	50	50	50	50	50	50	50	50	50	50	50	50	50