

Hoval Belaria® pro

The heat pump that looks to the future.

Versatile

Quiet

Easy to install

Data sheet



Hoval

Belaria® pro comfort / pro compact

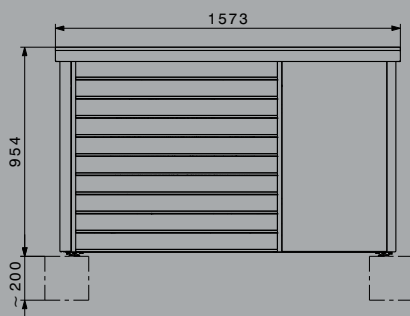
		Belaria® pro comfort (8) Belaria® pro compact (8/100/300)	Belaria® pro comfort (13) Belaria® pro compact (13/100/300)
Label			
Package label incl. controller	35 °C/55 °C	A+++/A+++	A+++/A+++
Energy efficiency class load profile XL	Domestic hot water	-/A	-/A
Seasonal coefficient of performance moderate climate 35 °C/55 °C	SCOP	5.26 / 3.92	5.15 / 3.94
ETA ηS moderate climate 35/55 °C	%	206 / 153	202 / 154
Performance data heating in acc. with EN 14511			
A2/W35			
Heat output	kW	2.1-8.3	4.1-11.8
Power consumption	kW	0.5-2.9	0.9-3.6
Coefficient of performance at nominal output	COP	4.6	4.6
A7/W35			
Heat output	kW	2.2-8.4	4.0-12.4
Power consumption	kW	0.4-2.2	0.8-3.1
Coefficient of performance at nominal output	COP	5.4	5.5
A-7/W35			
Heat output	kW	2.0-8.3	4.0-10.3
Power consumption	kW	0.6-3.1	1.2-3.7
Coefficient of performance at nominal output	COP	3.4	3.5
Performance data cooling in acc. with EN 14511			
A35/W18			
Cooling capacity	kW	3.1-10.2	5.1-14.0
Power consumption	kW	0.5-4.6	0.9-4.3
Coefficient of performance at nominal output	EER	4.9	4.6
A35/W7			
Cooling capacity	kW	3.1-7.9	5.1-10.8
Power consumption	kW	0.8-4.8	1.4-5.5
Coefficient of performance at nominal output	EER	3.5	3.2
Sound data			
Sound power level EN 12102 outdoor unit ³⁾	dB(A)	46	51
Sound pressure level 5 m ^{2) 3)}	dB(A)	27	32
Sound pressure level 10 m ^{2) 3)}	dB(A)	21	26
Hydraulic data			
Max. flow temperature	°C	70	70
Nominal flow rate heating water 5 K ΔT	m ³ /h	0.7	1.0
Residual overpressure of heating pump	kPa	69	81

Belaria® pro comfort / pro compact (8,13)

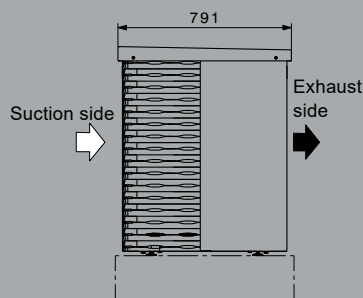
Outdoor unit

(Dimensions in mm)

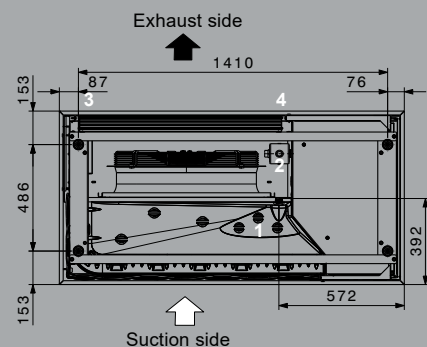
Front view



View from left



View from below



- 1 Condensate drain Ø 28 mm
- 2 Connection hydraulic connection line return 1" ext. thread
- 3 Connection hydraulic connection line flow 1" ext. thread
- 4 Electrical connection

		Belaria® pro comfort (8) Belaria® pro compact (8/100/300)	Belaria® pro comfort (13) Belaria® pro compact (13/100/300)
Max. operating pressure on the heating side	bar	3	3
Max. operating pressure process water side	bar	10	10
Air volume outdoor unit (A7W35, nominal rotation speed)	m³/h	2000	3000
Cooling technical data			
Refrigerant		R290	R290
Compressor		modulating	modulating
Refrigerant filling quantity	kg	1.2	1.8
Compressor oil filling quantity	l	0.9	0.9
Max. line length (simple)/max. total length	m	30 / 60	30 / 60
Electrical data			
Electrical connection compressor	V / Hz	3~400 / 50	3~400 / 50
Electrical connection electric heating element	V / Hz	3~400 / 50	3~400 / 50
Control electrical connection	V / Hz	1~230 / 50	1~230 / 50
Max. heat pump operating current	A	8.5	9.5
Max. compressor operating current	A	8.5	9.5
Max. fan operating current	A	0.3	0.6
Max. fan power consumption	W	70	140
Max. electric heating element operating current	A	13	13
Max. starting current heat pump	A	8.5	9.5
Output factor		0.88	0.88
External protection main current	A	C / K 13	C / K 13
External protection control current	A	B / Z 13	B / Z 13
External protection electric heating element	A	B / Z 13	B / Z 13
Dimensions / weight			
Outdoor unit			
Weight	kg	245	255
<i>Belaria® pro compact indoor unit</i>			
Weight	kg	300	300
Tilting measure	mm	2085	2085
<i>Belaria® pro comfort indoor unit</i>			
Weight	kg	30	30
<i>Belaria® pro compact hot water storage tank</i>			
Storage capacity	l	293	293
Max. storage tank temperature with electric heating element	°C	75	75
Output capacity at 46 °C draw-off temperature - heat pump ¹⁾	l	456	456
Output capacity at 40 °C draw-off temperature - heat pump ¹⁾	l	554	554
Heating water storage tank (buffer)			
Storage capacity	l	93	93

¹⁾ 12 °C cold water temperature/60 °C storage tank temperature

²⁾ The sound pressure levels indicated apply if the outdoor unit is placed at a building façade. These values are reduced by 3 dB if the outdoor unit is free-standing. With installation in a corner, the sound pressure level increases by 3 dB.

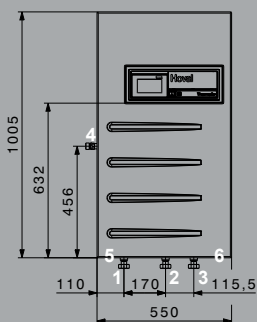
³⁾ The sound values apply with a clean evaporator. These values are temporarily exceeded before defrosting.

Using a fault-current circuit breaker RCCB type B, IΔn ≥ 300 mA is recommended. Country-specific regulations must be observed.

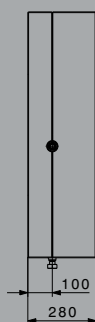
Belaria® pro comfort (8,13)

Indoor unit

Front view



View from left

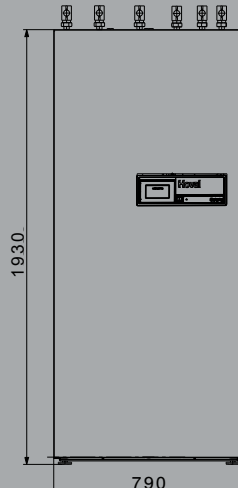


- 1 Flow outdoor unit 1" ext. thread (return not guided through indoor unit)
- 2 Flow heating 1" ext. thread
- 3 Flow hot water charging 1" ext. thread
- 4 Safety assembly (accessories)
- 5 Cable feed-in sensors, RS485
- 6 Cable feed-in main current, control current

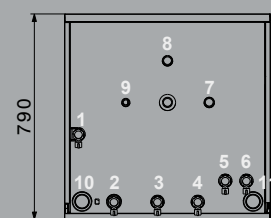
Belaria® pro compact (8,13/100/300)

Indoor unit

Front view



View from above

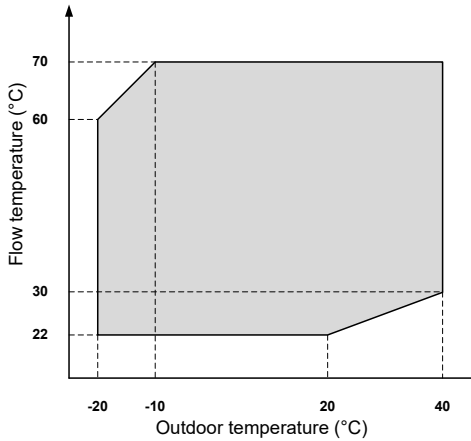


- 1 Outdoor unit flow 1" int. thread
- 2 Outdoor unit return 1" int. thread
- 3 Flow second heating circuit 1" int. thread (optional)
- 4 Return second heating circuit 1" int. thread (optional)
- 5 Flow heating circuit 1" int. thread
- 6 Return heating circuit 1" int. thread
- 7 Hot water connection 1" int. thread
- 8 Cold water connection 1" int. thread
- 9 Circulation connection 3/4" ext. thread
- 10 Cable feed-in sensors, RS485
- 11 Cable feed-in main current, control current

Belaria® pro

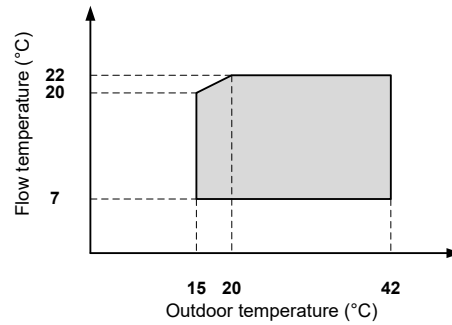
Area of application

Heating and domestic hot water



Area of application heating heat pump (Belaria® pro comfort and pro compact)

Cooling



Area of application cooling heat pump (Belaria® pro comfort and pro compact)

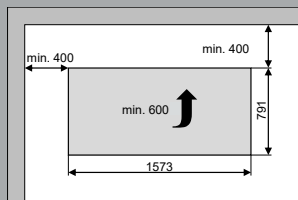
Short overview of space requirement

Belaria® pro comfort / pro compact (8,13)

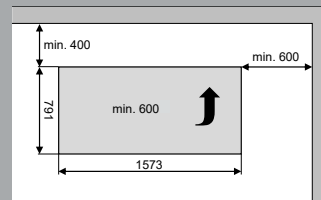
Outdoor unit

(Dimensions in mm)

Wall corner left

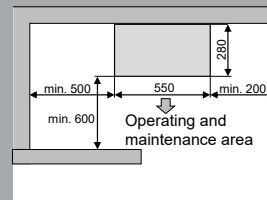


Wall corner right



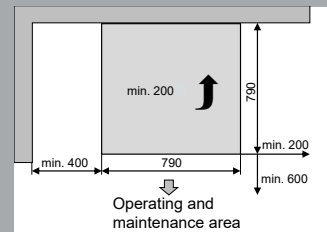
Belaria® pro comfort (8,13)

Indoor unit



Belaria® pro compact (8,13/100/300)

Indoor unit



2020 - 09 | Subject to modifications

Hoval quality.
You can count on us.



Hoval