

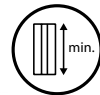


Danfoss Heat pump DHP-L

Danfoss DHP-L – the advanced heat pump solution provides flexibility and quality

Danfoss Waterheater DWH

Danfoss DWH – the advanced domestic hot water storage

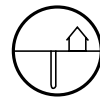


If you have a large hot water demand, Danfoss DHP-L is the perfect choice, as it is designed to be combined with a separate hot water tank. Separate tanks are available in the range of 160, 220, 300, 500 or 1000 litres.

Danfoss DHP-L is available with outputs from 6 to 16 kW (up to 25 kW incl. electric element).



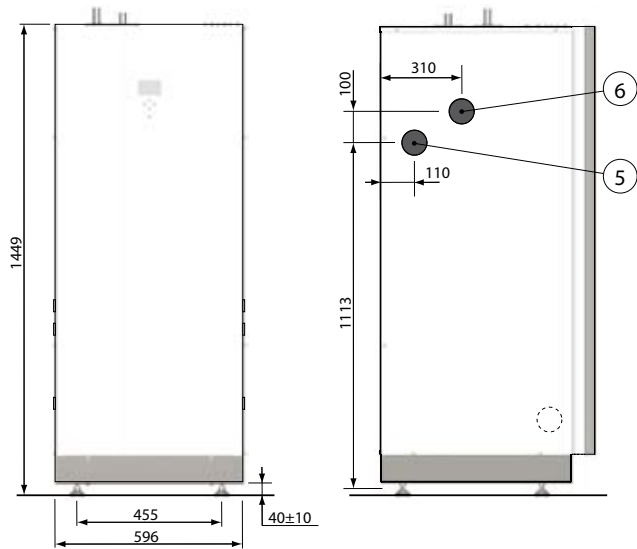
Thanks to the use of latest technologies, Danfoss DHP-L has many convenient features. The advanced scroll compressor, specially developed for heat pumps, is one of them. The effective heat exchanger and sub-cooler that help to extract additional heat are two other examples.



Danfoss DWH is a domestic water heater and are available with 200 and 300 litres hot water tanks. They are designed to work perfectly together with Danfoss heat pumps without built-in water heater. Together they provide reliable heating comfort and hot water for the whole family.

Danfoss heat pumps together with the domestic hot water storage DWH provide a complete solution for space heating and hot water. This system is extremely reliable and will reduce your heating costs drastically.

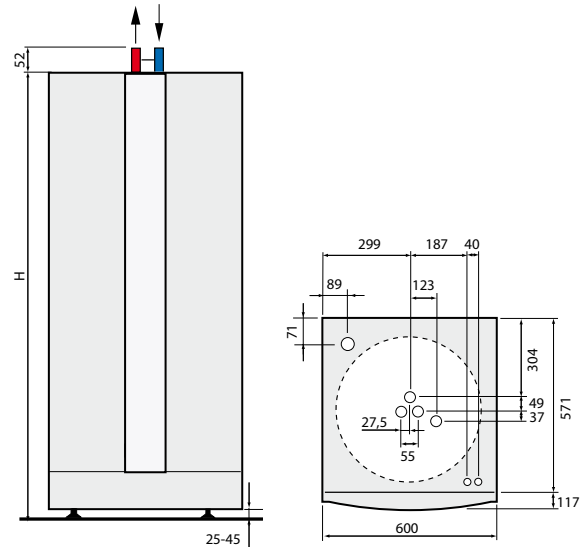
DANFOSS HEAT PUMP DHP-L



The brine pipes can be connected on either the left or right-hand sides of the heat pump.

- 1 Heating system supply pipe
- 2 Heating system return pipe
- 3 Alternative for brine supply
- 4 Alternative for brine return
- 5 Brine supply pipe (Brine out)
- 6 Brine return pipe (Brine in)
- 7 Lead-in for incoming power supply and sensors
- 8 Lead-in for communication cable

DANFOSS WATERHEATER DWH



Waterheater	DWH 200	DWH 300
Volume prim.	7 litres	10 litres
Rated pressure prim.	1.5 bar	1.5 bar
Volume sec.	180 litres	292 litres
Rated pressure sec.	10 bar	10 bar
Weight	141 kg	147 kg
Height (H)	1487 mm +/-10 mm	1794 mm +/-10 mm

Heat pump		DHP-L 4	DHP-L 6	DHP-L 8	DHP-L 10	DHP-L 12	DHP-L 16
Refrigerant	Type	R407C	R407C	R407C	R407C	R407C	R407C
	Amount	0.75 kg	1.1 kg	1.3 kg	1.4 kg	1.6 kg	1.7 kg
	Test pressure	3.2 MPa	3.2 MPa	3.2 MPa	3.2 MPa	3.2 MPa	3.2 MPa
	Safety switch	3.1 MPa	3.1 MPa	3.1 MPa	3.1 MPa	3.1 MPa	3.1 MPa
	Compressor	Type	Scroll	Scroll	Scroll	Scroll	Scroll
Electrical data 3-N	Rated power comp.	2.7 kW	2.0 kW	2.3 kW	3.6 kW	4.4 kW	5.6 kW
	Rated power + Aux.	5.7 ² /8.7 ³ /11.0 ⁴ kW	5.0 ² /8.0 ³ /11.0 ⁴ kW	5.3 ² /8.3 ³ /11.3 ⁴ kW	6.6 ² /9.6 ³ /12.6 ⁴ kW	7.4 ² /10.4 ³ /13.4 ⁴ kW	8.6 ² /11.6 ³ /14.6 ⁴ kW
	Mains supply	400V 3-N Volt	400V 3-N Volt	400V 3-N Volt	400V 3-N Volt	400V 3-N Volt	400V 3-N Volt
	Auxiliary heater	3/6/9 kW	3/6/9 kW	3/6/9 kW	3/6/9 kW	3/6/9 kW	3/6/9 kW
	Startcurrent	36 A	14 A	29 A	29 A	32 A	45 A
	Circuit breaker	1x16A 10 ² /10 ³ /16 ⁴ A	10 ² /16 ³ /20 ⁴ A	10 ² /16 ³ /20 ⁴ A	16 ² /16 ³ /20 ⁴ A	16 ² /20 ³ /25 ⁴ A	20 ² /20 ³ /25 ⁴ A
Electrical data 1-N	Rated power comp.	2.7 kW	3.3 kW	4.2 kW	5.4 kW	5.7 kW	*
	Rated power + Aux.	4.2 ² /5.7 ³ /7.2 ⁴ kW	4.8 ² /6.3 ³ /7.8 ⁴ kW	5.7 ² /7.2 ³ /8.7 ⁴ kW	6.9 ² /8.4 ³ /9.9 ⁴ kW	7.2 ² /8.7 ³ /10.2 ⁴ kW	*
	Mains supply	230V 1-N Volt	230V 1-N Volt	230V 1-N Volt	230V 1-N Volt	230V 1-N Volt	*
	Auxiliary heater	1.5/3/4.5 kW	1.5/3/4.5 kW	1.5/3/4.5 kW	1.5/3/4.5 kW	1.5/3/4.5 kW	*
	Startcurrent	36 A	58 A	76 A	97 A	108 A	*
	Circuit breaker	1x16A 10 ² /10 ³ /16 ⁴ A	20 ² /25 ³ /32 ⁴ A	25 ² /32 ³ /40 ⁴ A	32 ² /40 ³ /50 ⁴ A	32 ² /40 ³ /50 ⁴ A	*
Performance	Output capacity ¹⁾	3.2 kW	4.9 kW	7.2 kW	8.9 kW	10.7 kW	15.2 kW
	Heat factor ¹⁾	2.6 COP	3.0 COP	3.2 COP	3.3 COP	3.2 COP	3.2 COP
Nominal flow ⁶⁾	Cooling medium	0.2 l/s	0.3 l/s	0.5 l/s	0.6 l/s	0.6 l/s	0.9 l/s
	Heat medium	0.1 l/s	0.1 l/s	0.2 l/s	0.2 l/s	0.3 l/s	0.4 l/s
External available pressure ⁵⁾	Cooling medium ⁵⁾	36 kPa	31 kPa	33 kPa	67 kPa	64 kPa	56 kPa
	Heat medium ⁵⁾	46 kPa	43 kPa	39 kPa	34 kPa	48 kPa	40 kPa
Min/max temperature	Cooling medium	20/-10°C	20/-10°C	20/-10°C	20/-10°C	20/-10°C	20/-10°C
	Heat medium	55/20°C	55/20°C	55/20°C	55/20°C	55/20°C	55/20°C
Pressure switches	Low pressure	0.08 MPa	0.08 MPa	0.08 MPa	0.08 MPa	0.08 MPa	0.08 MPa
	High pressure	2.65/2.85 MPa	2.65/2.85 MPa	2.65/2.85 MPa	2.65/2.85 MPa	2.65/2.85 MPa	2.65/2.85 MPa

¹⁾ At BOW45 according to EN14511 (including circulation pumps). ²⁾ Heat pump with 3 kW auxiliary heater (1-N 1.5 kW). ³⁾ Heat pump with 6 kW auxiliary heater (1-N 3 kW). ⁴⁾ Heat pump with 9 kW auxiliary heater (1-N 4.5 kW). ⁵⁾ Pressure drop that must not be exceeded outside the heat pump without the nominal flow being reduced. For the brine water circuit these values require a water hose of Ø 40 x 2.4. ⁶⁾ Nominal flow: Warm side Δ10K Cold side Δ3K. ⁷⁾ Not available in 1-N model.