

DeWarmte Pomp T Datasheet

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General data	
Manufacturer	DeWarmte B.V.
Model	DeWarmte Pomp T 200 L & 300 L
Class	Hot water heat pump boiler
Type	Water-to-water

Refrigerant circuit		
Refrigerant type	R290 (propane)	
Charge	150	g
GWP	3	kg CO ₂ / kg R290
CO ₂ -equivalent	0.45	kg CO ₂

Power supply		
Power supply voltage		220-240 V
Power supply frequency		50 Hz
Maximum power consumption	Total	2000 (8.7 A) W
	Heat pump	500 (2.2 A) W
	Electrical heater	1500 (6.5 A) W
Standby mode power consumption		2.2 W

Temperatures		
Maximum tap water temperature	Heat pump	65 °C
	Electrical heater	70 °C
Source temperature range		10 - 40 °C

Performance		200 L	300 L	
Maximum heating capacity		1.5		kW
Standard use conditions ¹	Heating capacity	1.35		kW
	Heating time	5.5	8.6	hours
	COP	5	5	
Norm EN16147 conditions ²	Heating capacity	1.08		kW
	Heating time	7.5	11.7	hours
	COP	3.62	3.80	
	Water heating energy efficiency η_{wh}	151	157	%
	Energy class	A++	A+	
	Standby power input	22	24	W
	Maximum volume of mixed water at 40°C (V40) ³	229	361	L
	Annual electrical energy consumption AEC	680	1067	kWh/year

Sound			
Sound pressure	Standard use conditions at 1m distance ⁴	38.0	dB (A)
	Norm EN16147 conditions ²	35.0	dB (A)

¹ Standard use conditions. Water tank temperature from 15°C to 55°C. Water source inlet temperature 20°C.

² ERP (EN16147) conditions. Water temperature from 10°C to 53°C. Water source inlet temperature 10°C.

³ Total amount of mixed water of 40°C can in practice be increased by activating boost mode. Tank temperature is raised and heat pump and electrical element will operate during tapping.

⁴ Measurement performed by DeWarmte. Water tank temperature of 55°C.

Dimensions	200 L	300 L	
Diameter	560	640	mm
Height	1739	1850	mm
Weight (empty)	68	83	kg
Packaging dimensions	629x629x1892	695x695x1989	mm
Packaging weight	80	98	kg

Tank specifications		
Tank material stainless steel type	SUS 316L	
Maximum allowed pressure	10	bar
Insulation material	polyurethane	
Insulation thickness	45	mm