

Product Fiche

Heat pump Airmax³

Product Fiche (according to EU Regulation No 813/2013)

Model(-s):Airmax³ 5GT, Airmax³ 7GT, Airmax³ 12GT, Airmax³ 14GT
 Air-water heat pump: yes
 Water-water heat pump: no
 Ground-water heat pump: no
 Low-temperature heat pump: no
 Equipped with an additional heater: yes
 Multifunctional heater with a heat pump: no

Parameter	Symbol	Value (W35 / W55)				Unit	Parameter	Symbol	Value (W35 / W55)				Unit
		5GT	7GT	12GT	14GT				5GT	7GT	12GT	14GT	
Rated output	Prated	4 / 4	5 / 5	7 / 7	8 / 8	kW	Central heating's seasonal energy efficiency	ηs	176 / 129	176 / 130	186 / 145	187 / 146	%
Declared heating efficiency at partial load at a room temperature of 20°C and outdoor temperature Tj						Declared efficiency ratio (or ratio of primary energy consumption) under partial load at a room temperature of 20°C and outdoor temperature Tj							
Tj = - 7 °C	Pdh	3,8 / 3,6	4,4 / 4,2	6,4 / 6,0	7,4 / 6,8	kW	Tj = - 7 °C	COPd	3,32 / 2,35	3,10 / 2,25	3,37 / 2,72	3,35 / 2,65	-
Tj = + 2 °C	Pdh	2,8 / 2,6	2,8 / 2,6	4,5 / 4,3	4,5 / 4,3	kW	Tj = + 2 °C	COPd	4,38 / 3,20	4,41 / 3,26	4,66 / 3,59	4,66 / 3,62	-
Tj = + 7 °C	Pdh	3,3 / 3,1	3,3 / 3,1	5,6 / 4,9	5,6 / 4,9	kW	Tj = + 7 °C	COPd	5,65 / 4,21	5,68 / 4,25	5,91 / 4,55	5,91 / 4,58	-
Tj = + 12 °C	Pdh	3,8 / 3,7	3,9 / 3,7	6,2 / 5,9	6,2 / 5,9	kW	Tj = + 12 °C	COPd	6,93 / 5,50	6,95 / 5,50	7,20 / 5,83	7,20 / 5,83	-
Tj = bivalent temperature	Pdh	3,8 / 3,6	4,4 / 4,2	6,4 / 6,0	7,4 / 6,8	kW	Tj = bivalent temperature	COPd	3,32 / 2,35	3,10 / 2,25	3,37 / 2,72	3,35 / 2,65	-
Tj = limit operating temperature	Pdh	3,4 / 3,2	4,0 / 3,7	5,7 / 5,5	6,6 / 6,2	kW	Tj = limit operating temperature	COPd	2,95 / 2,11	2,76 / 1,94	3,04 / 2,41	2,97 / 2,35	-
Bivalent temperature	Tbiv		-7			°C	Limit operating temperature	TOL		-10			°C
Loss coefficient	Cdh		0,9			-	Limit operating temperature for water heating	WTOL		68			°C

Parameter	Symbol	Value				Unit	Parameter	Symbol	Value (W35 / W55)				Unit
		5GT	7GT	12GT	14GT				5GT	7GT	12GT	14GT	
Power consumption in modes other than the active						Additional heater							
OFF mode	POFF	0,017				kW	Rated output	Psup	0,9 / 0,9	1,1 / 1,0	1,5 / 1,4	1,8 / 1,5	kW
Thermostat OFF mode	PTO	0,017				kW	Type of consumed energy	electric current					
Standby mode	PSB	0,017				kW							
Crankcase heater ON mode	PCK	-				kW							
Other parameters													
Efficiency control	Inverter					Nominal brine flow	-	4200	4500	6200	6500	m³/h	
Acoustic power level outside/inside	L _{WA}	59/32	60/32	61/32	62/32								dB
Contact details						Galmet, Raciborska 36, 48-100 Glubczyce, 77 40 34 500							

Product Fiche (according to EU Regulation No 811/2013) Heat pump Airmax³

Supplier		Galmet				
Supplier's model identifier		09-270510 Airmax ³ 5GT	09-270710 Airmax ³ 7GT	09-271230 Airmax ³ 12GT	09-271430 Airmax ³ 14GT	
Class of central heating's seasonal energy efficiency	W35 / W55	A+++ / A++	A+++/A++	A+++/A++	A+++/A++	
Rated output		4 kW / 4 kW	5 kW / 5 kW	7 kW / 7 kW	8 kW / 8 kW	
Rated output of the additional heater	moderate climate	-				7 kW
Central heating's seasonal energy efficiency		W35 / W55	176% / 129%	176% / 130%	186% / 145%	187% / 146%
Annual energy consumption			1964 kWh / 2556 kWh	2321 kWh / 2912 kWh	3157 kWh / 3806 kWh	3632 kWh / 4257 kWh
Special precautions to be used during assembly, installation and maintenance		Please read the instructions before carrying out any operations				
Rated output	W35 / W55	5 kW / 5 kW	6 kW / 5 kW	9 kW / 7 kW	10 kW / 8 kW	
Rated output of the additional heater		-				7 kW
Central heating's seasonal energy efficiency	W35 / W55	148% / 113%	149% / 113%	158% / 127%	158% / 128%	
Annual energy consumption			3272 kWh / 3991 kWh	3767 kWh / 3999 kWh	5251 kWh / 5616 kWh	5978 kWh / 6121 kWh
Rated output	W35 / W55	4 kW / 4 kW	5 kW / 4 kW	7 kW / 6 kW	8 kW / 7 kW	
Rated output of the additional heater		-				7 kW
Central heating's seasonal energy efficiency	W35 / W55	220% / 156%	223% / 158%	236% / 172%	237% / 173%	
Annual energy consumption			972 kWh / 1314 kWh	1108 kWh / 1463 kWh	1509 kWh / 1969 kWh	1704 kWh / 2197 kWh
Acoustic power level outside/inside	L _{WA}	59/32 dB	60/32 dB	61/32 dB	62/32 dB	

W35- low temperature heating; W- water temperature at the outlet from the heat pump

W55- medium temperature heating; W- water temperature at the outlet from the heat pump