

Daikin Altherma hybrid heat pump

EHYHBX-AV3/EHYKOMB-AA2/3



Guaranteed
operation
down to -25°C

Hybrid technology combining gas and air to water heat pump for heating, **cooling** and hot water

- › Depending on outdoor temperature, energy prices and internal heat load, Daikin Altherma hybrid heat pump always selects the most economical mode to operate
- › Low investment cost: no need to replace the existing radiators (up to 80°C) and pipe work
- › Provides sufficient heat in renovation applications as all heat loads are covered up to 27kW
- › Easy and fast installation thanks to the compact dimensions and quick interconnections

EHYHBX-AV3/EHYKOMB-AA2/3 + EVLQ-CV3

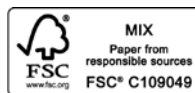
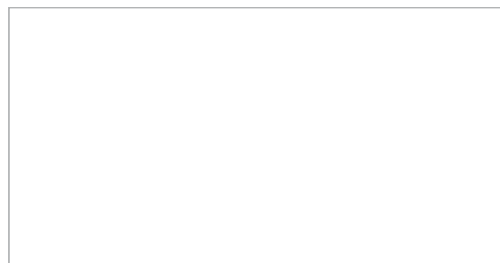


Efficiency data		EHYHBX + EVLQ		08AV3 + 08CV3			
Heating capacity	Nom.		kW	7.40 (1) / 6.89 (2)			
Cooling capacity	Nom.		kW	6.9 (2) / 5.4 (2)			
Power input	Heating	Nom.	kW	1.66 (1) / 2.01 (2)			
	Cooling	Nom.	kW	2.01 (1) / 2.34 (2)			
COP				4.45 (1) / 3.42 (2)			
EER				3.42 (1) / 2.29 (2)			
Domestic hot water heating	General	Declared load profile		XL			
	Average climate	η_{wh} (water heating efficiency) %		96			
Space heating	Average climate water outlet 55°C	General	SCOP	3.29			
			η_s (Seasonal space heating efficiency) %	129			
	Average climate water outlet 35°C	General	Seasonal space heating eff. class	A++			
			η_s (Seasonal space heating efficiency) %	-			
			Seasonal space heating eff. class	-			
Indoor Unit		EHYHBX		08AV3		EHYKOMB33AA2/3	
Gas	Consumption (G20)	Min-Max	m ³ /h			0.78-3.39	
	Consumption (G25)	Min-Max	m ³ /h			0.90-3.93	
	Consumption (G31)	Min-Max	m ³ /h			0.30-1.29	
	Connection	Diameter	mm			15	
Central heating	Heat input Q _n (net calorific value)	Min-Max	kW			7.6 / 6.2 / 7.6-27 / 22.1 / 27	
	Output P _n at 80/60°C	Min-Nom	kW			8.2 / 6.7 / 8.2-26.6 / 21.8 / 26.6	
	Efficiency	Net calorific value	%			98 / 107	
	Operation range	Min/Max	°C			15/80	
Domestic hot water	Output	Min-Nom	kW			7.6-32.7	
	Water flow	Rate	Nom	l/min			9.0 / 15.0
	Operation range	Min/Max	°C			40/65	
Supply air	Connection		mm			100	
	Concentric					Yes	
Flue gas	Connection		mm			60	
Casing	Colour			White		White - RAL9010	
	Material			Precoated sheet metal		Precoated sheet metal	
Dimensions	Unit	HeightxWidthxDepth	mm	902x450x164		820x-x490x270	
Weight	Unit		kg	31.2		36	
Power supply	Phase/Frequency/Voltage		Hz/V	-		1~/50/230	
Electrical power consumption	Max.		W	-		55	
	Standby		W	-		2	
Operation range	Heating	Ambient	Min.-Max.	°C	-25~25		-
		Water side	Min.-Max.	°C	25~55		-
	Cooling	Ambient	Min.-Max.	°CDB	10~43		-
		Water side	Min.-Max.	°C	5~22		-
Notes							For water circuit central heating, safety valve: refer to EHYHB*
Outdoor Unit		EVLQ		08CV3			
Dimensions	Unit	HeightxWidthxDepth	mm	735x832x307			
Weight	Unit		kg	56			
Compressor	Quantity			1			
	Type			Hermetically sealed swing compressor			
Operation range	Heating	Min.-Max.	°CWB	-25~25			
	Refrigerant	Type		R-410A			
Charge			kg	1.60			
			TCO ₂ eq	3.3			
	GWP			2,087.5			
	Control			Expansion valve (electronic type)			
Sound power level	Heating	Nom.	dBA	62			
Sound pressure level	Heating	Nom.	dBA	49			
Power supply	Name/Phase/Frequency/Voltage		Hz/V	V3/1~/50/230			
Current	Recommended fuses		A	20			

(1) cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C)

(2) cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) (3) Contains fluorinated greenhouse gases

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