

Daikin Altherma hybrid heat pump

EHYHBH-AV32/EHYKOMB-AA2/3



Guaranteed
operation
down to -25°C

Hybrid technology combining gas and air to
water heat pump for heating 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

EHYHBH-AV32/EHY- KOMB-AA2/3 + EVLQ-CV3



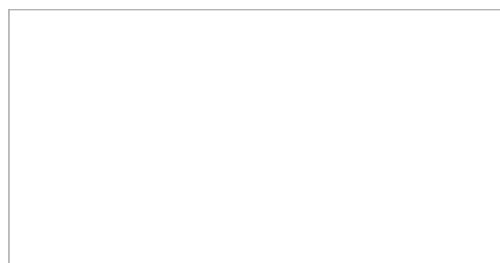
Efficiency data				EHYHBH + EVLQ	05AV32 + 05CV3	08AV32 + 08CV3
Heating capacity	Nom.			kW	4.40 (1) / 4.03 (2)	7.40 (1) / 6.89 (2)
Cooling capacity	Nom.			kW	-	-
Power input	Heating	Nom.		kW	0.87 (1) / 1.13 (2)	1.66 (1) / 2.01 (2)
	Cooling	Nom.		kW	-	-
COP					5.04 (1) / 3.58 (2)	4.45 (1) / 3.42 (2)
EER					-	-
Domestic hot water heating	General	Declared load profile			XL	
		Average climate	η_{wh} (water heating efficiency)	%	96	
		Water heating energy efficiency class			A	
Space heating	Average climate water outlet 55°C	General	SCOP		3.28	3.24
			η_s (Seasonal space heating efficiency)	%	128	127
		Seasonal space heating eff. class			A++	
	Average climate water outlet 35°C	General	η_s (Seasonal space heating efficiency)	%	-	-
	Seasonal space heating eff. class			-	-	

Indoor Unit				EHYHBH	05AV32	08AV32	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)	Nom	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	White - RAL9010
	Material				Precoated sheet metal	Precoated sheet metal	Precoated sheet metal
Dimensions	Unit	HeightxWidthxDepth		mm	902x450x164		820x-x490x270
Weight	Unit			kg	30	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	~	-	-
		Water side	Min.-Max.	°C	~	-	-
Notes							For water circuit central heating, safety valve: refer to EHYHB*

Outdoor Unit				EVLQ	05CV3	08CV3
Dimensions	Unit	HeightxWidthxDepth		mm	735x832x307	
Weight	Unit			kg	54	56
Compressor	Quantity				1	
	Type				Hermetically sealed swing compressor	
Operation range	Heating	Min.~Max.		°CWB	-25~-25	
Refrigerant	Type/ GWP				R-410A/ 2,087.5	
	Charge			kg/TCO ₂ eq	1.45/ 3	1.60/ 3.3
	Control				Expansion valve (electronic type)	
Sound power level	Heating	Nom.		dBA	61	62
Sound pressure level	Heating	Nom.		dBA	48	49
Power supply	Name/Phase/Frequency/Voltage			Hz/V	V3/1~/50/230	
Current	Recommended fuses			A	20	

(1) Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (2) Ta DB/WB 7°C/6°C - LWC 45°C (DT=5°C) (3) cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) (4) cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) (5) Contains fluorinated greenhouse gases

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CEPEN16-749

10/15



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