

# 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



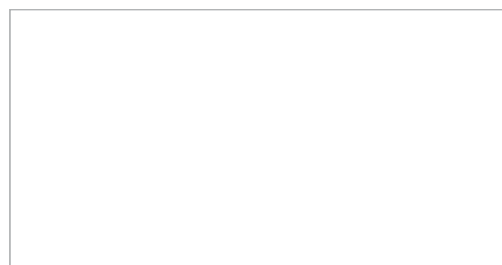
Efficiency data				EHYHBH + EVLQ	05AV32 + 05CV3	08AV32 + 08CV3	
Heating capacity	Nom.			kW	4.40 (1) / 4.03 (2)	7.40 (1) / 6.89 (2)	
Cooling capacity	Nom.			kW	-	-	
Power input	Heating	Nom.			kW	0.87 (1) / 1.13 (2)	1.66 (1) / 2.01 (2)
	Cooling	Nom.			kW	-	-
COP					5.04 (1) / 3.58 (2)	4.45 (1) / 3.42 (2)	
EER					-	-	
Domestic hot water heating	General Average climate	Declared load profile			XL		
		η <sub>wh</sub> (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 <sub>s</sub> (Seasonal space heating efficiency) %		128	127	
	Seasonal space heating eff. class				A++		
	Average climate water outlet 35°C	General	η <sub>s</sub> (Seasonal space heating efficiency) %		-	-	
		Seasonal space heating eff. class				-	

Indoor Unit				EHYHBH	05AV32	08AV32	EHYKOMB33AA2/3
Gas	Consumption (G20)	Min-Max	m <sup>3</sup> /h		-	-	0.78-3.39
	Consumption (G25)	Min-Max	m <sup>3</sup> /h		-	-	0.90-3.93
	Consumption (G31)	Min-Max	m <sup>3</sup> /h		-	-	0.30-1.29
	Connection	Diameter	mm		-	-	15
Central heating	Heat input Q <sub>n</sub> (net calorific value)	Nom	Min-Max	kW		-	7.6 / 6.2 / 7.6-27 / 22.1 / 27
	Output P <sub>n</sub> 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		30	31.2
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
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 <sub>2</sub> eq				1.45/ 3
	Control					Expansion valve (electronic type)
Sound power level	Heating	Nom.		dBA		61
Sound pressure level	Heating	Nom.		dBA		48
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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