



Carrier



# QHB Hi-Wall Inverter Unit

## Features

- Modern Aesthetics
- Energy efficient
- Air Purification
- Plasma \*Dust particles in the passing air stream are charged electrically, this enhances dust collection, odour reduction and reduces airborne bacteria's mortality.
- Mildew Prevention
- Self Cleaning \*Airborne bacteria use the moisture on the indoor heat exchanger to grow. Regular drying off the exchanger prevents this mildew growth
- WiFi Connection \*Option available
- Turbo Function \*Reaches the required temperature in a short time.



# Technical Specifications

Indoor Model			42QHB26DS	42QHB35DS	42QHB53DS	42QHB70DS
Outdoor Model			38QHB26DS	38QHB35DS	38QHB53DS	38QHB70DS
Power supply		Ph-V-Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz	1Ph, 220-240V, 50Hz
Cooling	Capacity	W	2450	3320	5400	6600
	Input	W	815	1100	1730	2190
	Rated current	A	3.6	4.8	7.7	9.7
	EER [Class]	W/W	3,01 [B]	3,02 [B]	3,12 [B]	3,01 [B]
Heating	Capacity	W	2800	3400	5450	6800
	Input	W	850	1060	1680	2120
	Rated current	A	3.7	4.6	7.5	9.4
	COP [Class]	W/W	3.29 [A]	3.21 [A]	3.24 [A]	3,21 [A]
Max. input consumption		W	2150	2050	3150	3700
Max. current		A	9.5	9.5	13	17
Starting current		A	2.5	3.1	4.8	7.2
Compressor	Type		Rotary	Rotary	Rotary	Rotary
	Capacity	W	2670	2935	4225	7135
	Input	W	702	748	1085	1970
	Rated current (RLA)	A	4.95	5.35	7.58	6.95
Indoor Air flow (Hi/Mi/Lo)		m3/h	417/319/276	560/498/440	840/680/540	980/817/662
Indoor sound level (Hi/Mi/Lo)		dB(A)	37.5/31/26	43.8/38/28.8	48/44/42	48/44/42
Indoor unit	Dimension (W*D*H)	mm	715x194x285	805x194x285	957x213x302	1040x220x327
	Packing (W*D*H)	mm	780x270x365	870x270x365	1035x295x385	1120x405x315
	Net/Gross weight	Kg	7.7/9.8	7.5/9.6	9.8/12.7	12/14.9
Outdoor Noise Level		dB(A)	55	55	60	60
Outdoor unit	Dimension (W*D*H)	mm	681/285/434	770/300/555	800/333/554	845/363/702
	Packing (W*D*H)	mm	795/345/505	900/345/595	920/390/625	965/395/775
	Net/Gross weight	Kg	20.9/22.9	26.8/29.2	35.1/37.9	49.9/52.9
Refrigerant charge [R410a]		g	500	760	1350	1850
Refrigerant piping	Liquid side/ Gas side	mm (inch)	6.35+9.52 [1/4"+3/8"]	6.35+12.7 [1/4"+1/2"]	6.35+12.7 [1/4"+1/2"]	9.52+15.9 [3/8"+5/8"]
	Max. refrigerant pipe length	m	25	25	30	50
	Max. height difference	m	10	10	20	25
Connection wiring (Size*Core)		mm	1.5 x 4	1.5 x 4	1.5 x 5	2.5 x 5
Control type		Remote	Infrared	Infrared	Infrared	Infrared
Application area		m <sup>2</sup>	12-18	16-23	24-35	32-47
Operating Temperatures	Indoor (cooling/heating)	°C	17~32 / 0-30	17~32 / 0~30	17~32/0~30	17~32/0~30
	Outdoor (cooling/heating)	°C	0~50 / -15~30	18~52 / -7~24	-15~50/-15~30	-15~50/-15~30

## Notes

Information is applicable to a new unit with clean heat exchangers  
 The above specifications and values subject to change without prior notice due to on-going product improvements  
 The sound levels reflected are taken in an anechoic chamber  
 Std. Metraclark T&C's Apply

## Distributed By:

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## CB Test Conditions:

Cooling: outdoor; 35°Cdb and 24°Cwb indoor; 27°Cdb and 19°Cwb Heating: outdoor; 7°Cdb and 6°Cwb indoor; 20°Cdb and 15°Cwb

## National Regulations & Standards [Installation]

SANS 10142-1 [The wiring of premises Part 1: Low-voltage installations.]

SANS 10147 [Refrigerating systems including plants associated with air conditioning systems.]

SANS 347 [Cat. & conformity assessment criteria for all pressure equipment.]

**NRCS Product Test Compliance:** Safety; SANS 60335-2-40 and Energy Efficiency; SANS 54511-3 & SANS 941