CRYSTAL

INVERTER FLOOR STANDING AIR CONDITIONERS

R410A refrigerant

Model		CHV-D80FA/HR1 CHV-DH080W/R1	CHV-D100FA/HR1 CHV-DH100W/R1	CHV-D140FA/HR1 CHV-D140W/HZR1	CHV-D160FA/HR1 CHV-D160W/HZR1
Power supply (Ph/V/Hz)		single-phase / 220-240 / 50	single-phase / 220-240 / 50	three-phase / 380-415 / 50	three-phase / 380-415 / 50
Power	Cooling (W)	8000 (4000 ÷ 10400)	10000 (5000 ÷ 13000)	14000 (3500 ÷ 16400)	16000 (4500 ÷ 18700)
	Cooling (Btu/h)	27300 (13650 ÷ 35480)	34100 (17050 ÷ 44350)	47800 (12000 ÷ 56000)	54000 (15300 ÷ 63800)
	Heating (W)	9000 (4500 ÷ 11700)	11000 (5500 ÷ 14300)	16000 (4000 ÷ 18000)	18000 (5000 ÷ 19100)
	Heating (Btu/h)	30700 (15350 ÷ 39900)	37500 (18750 ÷ 48750)	54000 (13650 ÷ 61500)	61000 (17000 ÷ 65200)
Electricity consumption	Cooling (W)	2600 (1300 ÷ 3370)	3000 (1500 ÷ 3900)	3800 (1400 ÷ 5800)	4530 (1400 ÷ 6100)
	Heating (W)	2650 (1320 ÷ 3440)	3100 (1550 ÷ 4030)	3970 (1600 ÷ 6000)	4610 (1600 ÷ 6300)
Maximum current (A)		18	20	10	11
Circuit breaker (A)		25	25	20	20
EER		3.08	3.33	3.68	3.53
COP		3.40	3.55	4.03	3.91
Indoor unit	Fan flow rate (m3/h)	1350	1400	1700/1200/950	1700/1200/950
	Dimensions (WxHxD) (mm)	549x1853x419	549x1853x419	645x1920x406	645x1920x406
	Dimensions with packaging (WxHxD) (mm)	645x1960x510	645x1960x510	740x2080x540	740x2080x540
	Net/gross weight (Kg)	52/62	52/62	56.5 / 68.5	56.5 / 68.5
	Noise level (dB/A)	46/44/41	47/45/41	49/47/44	49/47/44
Outdoor unit	Dimensions (WxHxD) (mm)	935x702x383	1032x810x445	1100x870x528	1100x870x528
	Dimensions with packaging (WxHxD) (mm)	975x770x420	1075x875x495	1140x965x540	1140x965x540
	Net/gross weight (Kg)	47 / 50	60 / 65	86.6 / 96.4	90.1 / 100
	Noise level (dB/A)	≤54	≤56	≤56	≤56
	Refrigerant type/amount (g)	R410A / 2000	R410A / 2600	R410A / 3800	R410A / 3800
	Temperature range Cool/Heat (°C)	-5~55 / -15~30	-5~50 / -15~30	-5~55 / -20~30	-5~55 / -20~30
Pipe connections	Liquid/Gas Pipe (mm)	ø9.52 / ø15.88	ø9.52 / ø15.88	ø9.52 / ø15.88	ø9.52 / ø15.88
	Max. Length/Displacement (m)	70 / 30	70 / 30	70 / 30	70 / 30
	Length without refill (m)	5	5	5	5
	Refill (g/m)	40	40	40	40
Power cable to the indoor unit		3*2.5mm²	3*2.5mm²	3*2.5mm²	3*2.5mm²
Power cable to the outdoor unit		3*4.0mm²	3*4.0mm²	5*2.5mm²	5*2.5mm²
Communication cable		2*1mm²+shielding	2*1mm²+shielding	2*1mm²+shielding	2*1mm²+shielding