



FLOOR STANDING

Model name		GCHV-D140W/HZR1-050D	GCHV-D160W/HZR1-050D	
Power supply		380~415V/3N/50Hz	380~415V/3N/50Hz	
Performance data				
Cooling	Capacity	HP	5	5.7
		kW	14	16
		Btu/h	47800	54000
		RT	4.0	4.5
	Power input	kW	3.80	4.53
	EER	W/W	3.68	3.53
Heating	Capacity	kW	16	18
		Btu/h	54000	61000
		RT	4.5	5.2
	Power input	kW	3.97	4.61
		COP	W/W	4.03
Max. input consumption		kW	6.3	6.8
Max. current		A	10	11
Capacity adjustment range			50%~130%	50%~130%
Compressor data				
DC Inverter compressor	Quantity		1	1
	Type		Twin-rotary Compressor	Twin-rotary Compressor
	Brand		Highly	Mitsubishi
	frequency range	Hz	15~120	10~120
	Crankcase heater	W	35	35
Compressor oil	Model		RMM68EA	FV50S
	Original oil volume	ml	850 per compressor	1100 per compressor
Fan data				
Fan motor	Type		DC	DC
	Brand		Nidec	Nidec
	Model		DR-380-100-8	DR-380-100-8
	Quantity		2	2
	Insulation class		E	E
Fan blade	Power output	W	100*2	100*2
	Material		ASG20	ASG20
	Type		Axial	Axial
	Drive		Direct-driven	Direct-driven
	Fan Quantity		2	2
	Air flow	m ³ /h	6000	6000
Physical data				
Outdoor coil	Fin type		Hydrophilic Aluminum	Hydrophilic Aluminum
	Tube diameter	mm	Ø7.94	Ø9.52
	Tube type		Inner-grooved copper tube	Inner-grooved copper tube
Refrigerant	Type		R410a	R410a
	Volume	kg	3.8	3.8
	Throttle type		EXV	EXV
Dimension (W*H*D)	Net	mm	975×1335×400	975×1335×400
	Packing	mm	1010×1445×415	1010×1445×415
Weight	Net	kg	86.6	90.1
	Gross	kg	96.4	100
Outdoor sound level		dB(A)	56	56
Maximum operating pressure		MPa	4.5	4.5
Piping & wiring data				
Pipe size	Liquid pipe	mm	Ø9.52	Ø9.52
	Gas pipe	mm	Ø15.88	Ø15.88
Max. pipe length	Total pipe length	m	120	120
	From OU to farthest IU	m	70	70
	From 1st indoor distributor to farthest IU	m	20	20
Max. vertical length	Between OU & IU(OU above IU)	m	30	30
	Between OU & IU(OU below IU)	m	20	20
	Between Ius	m	8	8
Connection wire	Power wire size	mm ²	5×2.5	5×2.5
	Signal wire type		3-core shielded cable	3-core shielded cable
	Signal wire size	mm ²	1	1
Operation temperature range				
Cooling	Outdoor side	°C	-5~55	-5~55
	Indoor side	°C	16~32	16~32
Heating	Outdoor side	°C	-20~30	-20~30
	Indoor side	°C	16~32	16~32

NOTES:

Cooling Operation Conditions:

Indoor Air Inlet Temperature: 27°C DB / 19°C WB T1: Outdoor Air Inlet Temperature: 35°C DB

T3: Outdoor Air Inlet Temperature: 46°C DB Heating Operation Conditions:

Indoor Air Inlet Temperature: 20.0°C DB

Outdoor Air Inlet Temperature: 7°C DB / 6°C WB

The company reserves the right to revise product technical parameter without having to notify the clients individually.



FLOOR STANDING

Model name		CHV-DH080W/R1		CHV-DH100W/R1	
		CHV-DH080W/NR1		CHV-DH100W/NR1	
Power supply		220-240V/1N/50Hz		220-240V/1N/50Hz	
Performance data					
Cooling	Capacity	HP	3	3.6	
		kW	8	10	
		Btu/h	27300	34100	
		RT	2.27	2.84	
	Power input	kW	2.60	3.00	
Rated current	A	11.8	13.6		
EER	W/W	3.08	3.33		
Heating	Capacity	kW	9	11	
		Btu/h	30700	37500	
		RT	2.56	3.13	
	Power input	kW	2.65	3.1	
	Rated current	A	12	14	
COP	W/W	3.40	3.55		
Max. input consumption		kW	3.96	4.4	
Max. current		A	18	20	
Capacity adjustment range			50%~130%	50%~130%	
Compressor data					
DC Inverter compressor	Quantity		1	1	
	Type		Twin-rotary Compressor	Twin-rotary Compressor	
	Brand		Mitsubishi	GMCC	
	Model		SNB200FGMMC	ATM240D5JUMT	
	frequency range	Hz	10~120	10~120	
Compressor oil	Crankcase heater	W	25	35	
	Model		FV50S	VG74	
	Original oil volume	ml	400	670	
Fan data					
Fan motor	Type		DC	DC	
	Brand		Yongan	Yongan	
	Model		DRN-310-75-8	DRN-310-90-8	
	Quantity		1	1	
	Insulation class		B	B	
	Protection class		IPX4	IPX4	
	Power output	W	75	90	
Fan blade	Material		ASG20	ASG20	
	Type		Axial	Axial	
	Drive		Direct-driven	Direct-driven	
	Fan Quantity		1	1	
	Air flow	m ³ /h	3300	4000	
Physical data					
Outdoor coil	Fin type		Hydrophilic Aluminum	Hydrophilic Aluminum	
	Tube diameter	mm	Ø7	Ø9.52	
	Number of rows		3	2	
	Coil length x height x width	mm	784*630*40.11	1003*750*43.3	
	Tube type		Inner-grooved copper tube	Inner-grooved copper tube	
Refrigerant	Type		R410a	R410a	
	Volume	kg	2	2.6	
	Throttle type		EXV	EXV	
Dimension (W*H*D)	Net	mm	935*702*383	1032x810x445	
	Packing	mm	975*770*420	1075*875*495	
Weight	Net	kg	47	60	
	Gross	kg	50	65	
Outdoor sound level	dB(A)		≤54	≤56	
Maximum operating pressure	MPa		4.5	4.5	
Piping & wiring data					
Pipe size	Liquid pipe	mm	Ø9.52	Ø9.52	
	Gas pipe	mm	Ø15.88	Ø15.88	
Max. pipe length	Total pipe length	m	100	100	
	From OU to farthest IU	m	70	70	
	From 1st indoor distributor to farthest IU	m	20	20	
Max. vertical length	Between OU & IU(OU above IU)	m	30	30	
	Between OU & IU(OU below IU)	m	20	20	
	Between IUs	m	8	8	
Connection wire	Power wire size	mm ²	3*4.0	3*4.0	
	Signal wire type		2-core shielded cable	2-core shielded cable	
	Signal wire size	mm ²	1.0	1.0	
Operation temperature range					
Cooling	Outdoor side	°C	-5~55	-5~55	
	Indoor side	°C	16~32	16~32	
Heating	Outdoor side	°C	-20~30	-20~30	
	Indoor side	°C	16~32	16~32	

Notes:

- Cooling operating temperature range is from -5°C to 55°C. Heating operating temperature range is from -20°C to 30°C.
- The cooling conditions: indoor side 27°C(80.6°F) DB, 19°C(60°F)WB outdoor side 35°C(95°F) DB.
- The heating conditions: indoor side 20°C(68°F) DB, 15°C(44.6°F)WB outdoor side 7°C(42.8°F)DB.
- Sound level: measured at a point 1 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.
- The company reserves the right to revise product technical parameter without having to notify the clients individually.