

Hi-Smart H Series



HP			4HP	5HP	6HP
Model			AVW-38HJFH	AVW-48HJFH	AVW-54HJFH
Power Supply			AC 1Φ, 220V-240V/50/60Hz		
Cooling	Capacity	kW	11.2	14.0	15.5
		kBtu/h	38.2	47.8	52.9
	Power Input	kW	2.60	3.46	4.21
	EER	kW/kW	4.31	4.05	3.68
Heating	Capacity	kW	12.5	16.0	18.0
		kBtu/h	42.7	54.6	61.4
	Power Input	kW	2.78	3.71	4.47
	COP	kW/kW	4.50	4.31	4.03
Ventilation	Air Flow Rate	m³/min	90.0	90.0	100.0
Sound	Sound Pressure Level (Cooling/Heating)	dB(A)	50/52	52/54	53/55
Compressor	Type	-	Twin Rotary		
Refrigerant	Type	-	R410A	R410A	R410A
	Pre-charged Quantity	kg	3.8	3.8	4.1
Weight	Net Weight	kg	93	95	97
	Gross Weight	kg	111	111	111
Dimensions	External(HxWxD)	mm	1380x950x370	1380x950x370	1380x950x370
	Packing(HxWxD)	mm	1531x1070x515	1531x1070x515	1531x1070x515
Cabinet Color			Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	φ15.88	φ15.88	φ15.88
		inch	5/8	5/8	5/8
	Liquid	mm	φ9.53	φ9.53	φ9.53
		inch	3/8	3/8	3/8
Connectable Indoor Units	Quantity	pcs	9	11	11
	Total Capacity	-	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m	30	30	30
		m	30	30	30
	Height Difference Between IDUs	m	10	10	10
	Max. Piping Length	m	75	75	75
Operation Range	Cooling	DB	-5°C~46°C	-5°C~46°C	-5°C~46°C
	Heating	WB	-20°C~15.5°C	-20°C~15.5°C	-20°C~15.5°C

Notes:
 1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
 Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m.
 Heating conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference: 0m.
 2. The sound pressure level is based on following conditions:
 1.5m beneath the unit.
 The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Hi-Smart H Series



HP			8HP	10HP	12HP
Model			AVW-76HKFH1	AVW-96HKFH1	AVW-114HKFH1
Power Supply			AC 3Φ, 380V-415V/50/60Hz		
Cooling	Capacity	kW	22.4	28.0	33.5
		kBtu/h	76.5	95.6	114.3
	Power Input	kW	6.37	7.75	10.30
	SEER	kW/kW	6.62	6.85	6.29
	EER	kW/kW	3.52	3.61	3.25
Heating	Capacity	kW	25.0	31.5	37.5
		kBtu/h	85.3	107.5	128
	Power Input	kW	5.84	7.00	10.00
	SCOP	kW/kW	4.10	4.21	3.98
	COP	kW/kW	4.28	4.50	3.75
Ventilation	Air Flow Rate	m³/min	127.0	150.0	163.0
Sound	Sound Pressure Level (Cooling/Heating)	dB(A)	57/58	58/59	59/60
Compressor	Type	-	Twin Rotary		
Refrigerant	Type	-	R410A	R410A	R410A
	Pre-charged Quantity	kg	5.63	5.50	6.50
Weight	Net Weight	kg	124	145	158
	Gross Weight	kg	139	161	175
Dimensions	External (HxWxD)	mm	1380x950x370	1650x1100x390	1650x1100x390
	Packing(HxWxD)	mm	1531x1070x515	1806x1185x530	1806x1185x530
Cabinet Color			Ivory White	Ivory White	Ivory White
Ref. Piping	Gas	mm	φ19.05	φ22.2	φ25.4
		inch	3/4	7/8	1
	Liquid	mm	φ9.53	φ12.7	φ12.7
		inch	3/8	1/2	1/2
Connectable Indoor Units	Quantity	pcs	15	17	19
	Total Capacity	-	50%-150%	50%-150%	50%-150%
Piping Design	Height Difference Between ODU and IDU	m	50	50	50
		m	40	40	40
	Height Difference Between IDUs	m	15	15	15
	Max. Piping Length	m	100	100	100
	Total Piping Length	m	150	250	250
Operation Range	Cooling	DB	-5°C~50°C	-5°C~50°C	-5°C~50°C
	Heating	WB	-20°C~15.5°C	-20°C~15.5°C	-20°C~15.5°C

Notes:
 1. Rated cooling capacity and rated heating capacity are tested in the following conditions:
 Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m.
 Heating conditions: indoor air inlet temperature: 20°C DB, outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference: 0m.
 2. The sound pressure level is based on following conditions:
 1.5m beneath the unit.
 The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.