

Hi-Smart H5 Series



	HP	4HP	5HP	6HP	
Model	AC 1φ, 220~240V/50/60Hz	AVW-41HJDH2H1	AVW-48HJDH2H1	AVW-54HJDH2H1	
	AC 3φ, 380~415V/50/60Hz	AVW-41HKDH2H1	AVW-48HKDH2H1	AVW-54HKDH2H1	
Cooling	Capacity	kW	12.1	14.0	15.5
		kBtu/h	41.5	48.0	53.0
	Power Input	kW	3.30	4.24	4.70
	EER	kW/kW	3.67	3.30	3.30
	SEER	kW/kW	8.20	7.90	7.90
Heating	Capacity (Max./Nom.)	kW	14.2/12.1	16.0/14.0	18.0/15.5
		kBtu/h	48.0/41.5	54.5/48.0	61.5/53.0
	Power Input (Max./Nom.)	kW	3.60/2.63	4.10/3.18	4.80/3.52
	COP (Max./Nom.)	kW/kW	3.94/4.60	3.90/4.40	3.75/4.40
	SCOP	kW/kW	5.00	4.65	4.60
Air Flow Rate	m ³ /min	80	80	80	
Sound Pressure Level(Cooling/Heating)	dB(A)	52/52	53/53	54/54	
Refrigerant	Type	R32			
	Pre-charged Quantity	kg	2	2	2
Weight	Net Weight(Single-phase/Three-phase)	kg	94/95	94/95	94/95
	Gross Weight(Single-phase/Three-phase)	kg	109/110	109/110	109/110
Dimensions	Net (H × W × D)	mm	840 × 1100 × 390	840 × 1100 × 390	840 × 1100 × 390
	Packing(H × W × D)	mm	1000 × 1185 × 530	1000 × 1185 × 530	1000 × 1185 × 530
Cabinet Color		Grayish White			
Ref. Piping	Gas	mm	15.88	15.88	15.88
		inch	5/8	5/8	5/8
	Liquid	mm	9.53	9.53	9.53
		inch	3/8	3/8	3/8
Connectable Indoor Units	Quantity	pcs	10	12	13
	Connection Ratio		50% ~ 150%		
Piping Design	Max. Piping Length	m	80	80	80
	Height Difference Between ODU and IDU	m (OD higher)	50	50	50
		m (OD lower)	40	40	40
Height Difference Between IDUs	m	15	15	15	
Operation Range	Cooling	DB °C	-10 ~ 52		
	Heating	WB/DB °C	-25.5 ~ 15.5/-25 ~ 26		

Note:

- 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.
- During cooling (48~52°C) or heating (23~26°C) operations, the unit may operate intermittently.
- The above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-way cassette indoor units.

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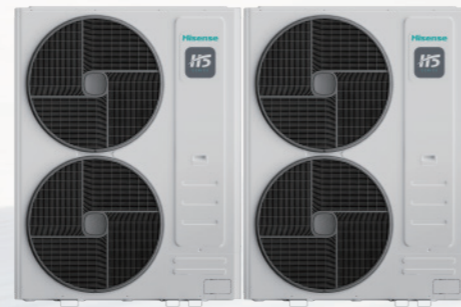


	HP	8HP	10HP	12HP	14HP	16HP	
Model		AVW-76HKDHE2	AVW-96HKDHE2	AVW-114HKDHE2	AVW-136HKDHE2	AVW-154HKDHE2	
Combination		AVW-76HKDHE2	AVW-96HKDHE2	AVW-114HKDHE2	AVW-136HKDHE2	AVW-154HKDHE2	
Power Supply		3φ,380 ~ 415V 50/60Hz					
Cooling	Capacity	kW	22.4	28.0	33.5	40.0	45.0
		kBtu/h	76.4	95.5	114.3	136.5	153.5
	Power Input	kW	5.89	7.57	9.31	11.43	13.24
	EER	kW/kW	3.80	3.70	3.60	3.50	3.40
	SEER		7.70	8.40	8.35	7.00	7.00
Heating	Capacity (Max./Nom.)	kW	25/22.4	32/28	38/33.5	45/40	50/45
		kBtu/h	85.3/76.4	107.5/95.5	127.9/114.3	153.5/136.5	170.6/153.5
	Power Input (Max./Nom.)	kW	5.32/4.57	7.00/5.96	9.15/7.70	10.98/9.30	12.20/10.71
	COP (Max./Nom.)	kW/kW	4.70/4.90	4.50/4.70	4.10/4.35	4.10/4.30	4.10/4.20
	SCOP		5.50	4.80	4.86	4.75	4.85
Air Flow Rate	m ³ /min	212	212	212	287	287	
Sound Pressure Level (Cooling/Heating)	dB(A)	54/57	55/58	55/58	61/62	62/65	
Refrigerant	Type	R32					
	Pre-charged Quantity	kg	4.0	4.5	5.7	6.0	6.0
Weight	Net Weight	kg	191	192	193	215	216
	Gross Weight	kg	209	210	211	233	234
Dimensions	Net (H × W × D)	mm 1650 × 1250 × 440					
	Packing (H × W × D)	mm 1810 × 1350 × 580					
Cabinet Color		Grayish White					
Ref. Piping	Gas	mm	22.2	22.2	25.4	25.4	28.6
		inch	7/8	7/8	8/8	8/8	9/8
	Liquid	mm	9.53	9.53	12.7	12.7	12.7
inch		3/8	3/8	4/8	4/8	4/8	
Connectable Indoor Units	Quantity	pcs	17	21	26	31	34
	Connection Ratio		50% ~ 150%				
Piping Design	Total Piping Length	m	500	500	500	500	500
	Max. piping Length	m (Actual)	150	150	150	150	150
		m (Equivalent)	165	165	165	165	165
	Height difference between ODU and IDU	m (ODU Up)	50	50	50	50	50
		m (ODU Down)	40	40	40	40	40
Height Difference Between IDUs	m	40	40	40	40	40	
Operation Range	Cooling	DB	-10 ~ 55°C				
	Heating	WB/DB	-25 ~ 16.5°C/-24 ~ 23°C				

Notes:

- 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.
 - The above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-Way Cassette indoor units.
 - The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
Measurement point: 1m from the service cover surface and 0.92m from the floor level.
 - The final appearance of outdoor units is subject to the actual products.
 - The dip switch DSW1-4 of outdoor PCB must set ON. This value is measured from the air outlet grille of the outdoor unit.
 - Under cooling operation, where the temperature is higher than 52°C, the system may work under intermittent operation.
- *1 If you have any questions, please contact with the technical engineer.

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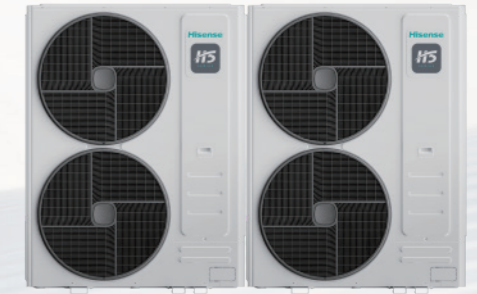


HP		18HP	20HP	22HP	24HP	
Model		AVW-170HKDHE2	AVW-190HKDHE2	AVW-212HKDHE2	AVW-232HKDHE2	
Combination		AVW-76HKDHE2	AVW-96HKDHE2	AVW-96HKDHE2	AVW-114HKDHE2	
Power Supply		3Φ,380~415V 50/60Hz				
Cooling	Capacity	kW	50.4	56.0	61.5	67.0
		kBtu/h	171.9	191.0	209.8	228.6
	Power Input	kW	13.5	15.1	16.9	18.6
	EER	kW/kW	3.74	3.70	3.64	3.60
	SEER	kW/kW	8.29	8.57	8.55	8.53
Heating	Capacity (Max./Nom.)	kW	56.5/50.4	63.0/56.0	69.0/61.5	75.0/67.0
		kBtu/h	192.8/171.9	215.0/191.0	235.4/209.8	255.9/228.6
	Power Input (Max./Nom.)	kW	12.3/10.5	14.0/11.9	16.1/13.7	18.3/15.4
	COP (Max./Nom.)	kW/kW	4.59/4.79	4.50/4.70	4.27/4.50	4.10/4.35
SCOP	kW/kW	5.09	4.80	4.85	4.89	
Air Flow Rate	m³/min	424	424	424	424	
Sound Pressure Level (Cooling/Heating)	dB(A)	55/58	55/58	55/58	55/58	
Refrigerant	Type	R32				
	Pre-charged Quantity	kg	9	9	10	11
Weight	Net Weight	kg	383	384	385	386
	Gross Weight	kg	419	420	421	422
Dimensions	Net (H×W×D)	mm 1650×1250×880				
	Packing (H×W×D)	mm 1810×1350×1160				
Cabinet Color		Grayish White				
Ref. Piping	Gas	mm	28.6	28.6	28.6	28.6
		inch	9/8	9/8	9/8	9/8
	Liquid	mm	15.88	15.88	15.88	15.88
		inch	5/8	5/8	5/8	5/8
Connectable Indoor Units	Quantity	pcs	36	40	44	48
	Connection Ratio		50%~150%			
Piping Design	Total Piping Length	m	500	500	500	500
	Max. piping Length	m (Actual)	150	150	150	150
		m (Equivalent)	165	165	165	165
	Height difference between ODU and IDU	m (ODU Up)	50	50	50	50
		m (ODU Down)	40	40	40	40
Height Difference Between IDUs	m	40	40	40	40	
Operation Range	Cooling	DB	-10~55°C			
	Heating	WB/DB	-25~16.5°C/-24~23°C			

Notes:

- 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.
 - The above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-Way Cassette indoor units.
 - The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
Measurement point: 1m from the service cover surface and 0.92m from the floor level.
 - The final appearance of outdoor units is subject to the actual products.
 - The dip switch DSW1-4 of outdoor PCB must set ON. This value is measured from the air outlet grille of the outdoor unit.
 - Under cooling operation, where the temperature is higher than 52°C, the system may work under intermittent operation.
- *1 If you have any questions, please contact with the technical engineer.

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HP		26HP	28HP	30HP	32HP	
Model		AVW-250HKDHE2	AVW-272HKDHE2	AVW-290HKDHE2	AVW-308HKDHE2	
Combination		AVW-114HKDHE2	AVW-136HKDHE2	AVW-136HKDHE2	AVW-154HKDHE2	
Power Supply		3Φ,380~415V 50/60Hz				
Cooling	Capacity	kW	73.5	80.0	85.0	90.0
		kBtu/h	250.8	273.0	290.0	307.0
	Power Input	kW	20.7	22.9	24.7	26.5
	EER	kW/kW	3.54	3.50	3.45	3.40
	SEER	kW/kW	7.98	7.57	7.50	7.43
Heating	Capacity (Max./Nom.)	kW	82.5/73.5	90.0/80.0	95.0/85.0	100.0/90.0
		kBtu/h	281.5/250.8	307.1/273.0	324.2/290.0	341.2/307.0
	Power Input (Max./Nom.)	kW	20.1/17.0	22.0/18.6	23.2/20.0	24.4/21.4
	COP (Max./Nom.)	kW/kW	4.10/4.32	4.10/4.30	4.10/4.25	4.10/4.20
SCOP	kW/kW	4.81	4.75	4.80	4.85	
Air Flow Rate	m³/min	499	574	574	574	
Sound Pressure Level (Cooling/Heating)	dB(A)	59/60	61/62	62/64	62/65	
Refrigerant	Type	R32				
	Pre-charged Quantity	kg	12	12	12	12
Weight	Net Weight	kg	408	430	431	432
	Gross Weight	kg	444	466	467	468
Dimensions	Net (H×W×D)	mm 1650×1250×880				
	Packing (H×W×D)	mm 1810×1350×1160				
Cabinet Color		Grayish White				
Ref. Piping	Gas	mm	31.75	31.75	31.75	31.75
		inch	10/8	10/8	10/8	10/8
	Liquid	mm	19.05	19.05	19.05	19.05
		inch	6/8	6/8	6/8	6/8
Connectable Indoor Units	Quantity	pcs	52	56	60	64
	Connection Ratio		50%~150%			
Piping Design	Total Piping Length	m	500	500	500	500
	Max. piping Length	m (Actual)	150	150	150	150
		m (Equivalent)	165	165	165	165
	Height difference between ODU and IDU	m (ODU Up)	50	50	50	50
		m (ODU Down)	40	40	40	40
Height Difference Between IDUs	m	40	40	40	40	
Operation Range	Cooling	DB	-10~55°C			
	Heating	WB/DB	-25~16.5°C/-24~23°C			

Notes:

- Rated cooling capacity and rated heating capacity are tested in the following conditions:
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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.
 - The above performance data is obtained on the basis of the performance of this outdoor unit, with a 100%-combination of 4-Way Cassette indoor units.
 - The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
Measurement point: 1m from the service cover surface and 0.92m from the floor level.
 - The final appearance of outdoor units is subject to the actual products.
 - The dip switch DSW1-4 of outdoor PCB must set ON. This value is measured from the air outlet grille of the outdoor unit.
 - Under cooling operation, where the temperature is higher than 52°C, the system may work under intermittent operation.
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