

High Static Pressure Duct Unit Parameter (R410a)

Model			H-DhR100S	H-DhR140S	H-DhR180T	H-DhR180T/3	H-DhR220T/3	H-DhR260T/3	H-DhR300T/3	H-DhR350T/3	H-DhR420T/3
Cooling Capacity		kW	10	14	18	18	22	26	30	35	42
Cooling Capacity		BTU	34000	48000	60000	60000	75000	90000	103000	120000	144000
Heating Capacity (heat pump)		kW	12	16	20	21	24	28	34	40	48
Rated Input Power	Cooling	kW	3.4	4.8	6.1	6.2	7.2	8.3	10.3	11.9	14.4
	Heating	kW	3.8	5.3	6.6	6.8	7.5	8.6	10.8	12.9	14.8
Rated Input Current	Cooling	A	15.5	22	28	9.4	11	12.6	14.9	17.5	20.7
	Heating	A	17.3	24	30	10.3	11.3	13	16	19.2	22.6
Indoor Unit											
Power Supply		220V / 50Hz 1P									
Rated Air Flow Volume		m³/h	1800	2600	3500	3500	4000	4800	6000	7000	7600
Fan Motor Power		kW	0.15	0.22	0.15×2	0.15×2	0.22×2	0.37×2	0.37×2	0.37×2	0.55×2
Fan Motor Input Current		A	0.7	1.1	1.5	1.5	2.2	3.5	3.5	3.5	5
Static Pressure		Pa	70-200							150~300	
Noise		dB(A)	51	54	55	55	56	57	59	60	61
Net Dimension(LxWxH)		mm	1050×600×435	1050×600×435	1350×600×435	1350×600×435	1600×600×435	1600×600×435	1600×600×435	1750×700×550	1750×700×550
Net Weight		kg	49	59	72	73	84	86	94	116	128
Packing Dimension(LxWxH)		mm	1090×658×495	1090×658×495	1390×658×495	1390×658×495	1640×658×495	1640×658×495	1660×658×520	1810×760×640	1810×760×640
Gross Weight		kg	53	63	77	78	91	91	100	124	136
Outdoor Unit											
Power Supply		220V/1P/50Hz					380V/3P/50Hz				
Compressor		Qty	1	1	1	1	1	2	2	2	2
		Type	Scroll compressor								
Refrigerant Charge		kg	2	3.2	4.5	4.2	4.5	5	7.6	9.2	10.8
Refrigerant		R410a									
Connecting Pipe		Liquid	Inches	3/8"	1/2"			5/8"			
		Gas	Inches	5/8"	3/4"			7/8"			
Maximum Piping Length		m	40								
Maximum Height Drop		m	10								
Air Discharging Type		Side				Top					
Noise		dB(A)	57	58	60	60	62	62	64	65	65
Net Dimension(LxWxH)		mm	1010×416×865	1010×416×1280	1100×640×1010	1100×640×1010	1250×640×1010	1250×640×1010	1250×640×1010	1400×800×1220	1400×800×1220
Net Weight		kg	80	128	165	140	150	180	220	280	300
Packing Dimension(LxWxH)		mm	1110×462×1080	1110×462×1495	1146×735×1110	1146×735×1110	1296×735×1110	1296×735×1110	1296×735×1110	1450×900×1320	1450×900×1320
Gross Weight		kg	85	132	203	178	188	220	260	420	340

Model		H-DhR480T/3	H-DhR525T/3	H-DhR600T/3	H-DhR700T/3	H-DhR875T/3	H-DhR1050T/3	H-DhR1400T/3	H-DhR1510T/3
Cooling Capacity		kW	48	52.5	60	70	87.5	105	151
Cooling Capacity		BTU	165000	180000	206000	240000	300000	360000	520000
Heating Capacity (heat pump)		kW	55	60	69	80	100	116	164
Rated Input Power	Cooling	kW	16.5	18.1	20.5	23.9	30	36.1	51.8
	Heating	kW	17.2	19.3	22.1	25.2	31.6	37.4	52.9
Rated Input Current	Cooling	A	24.1	26.3	29.8	35.2	43.8	52.8	76.2
	Heating	A	26.1	28.8	32.9	38.4	47.7	55.4	78.2

Indoor Unit										
Power Supply		220V / 50Hz 1P								
Rated Air Flow Volume		m³/h	8200	9000	11000	14000	16500	20000	24000	26000
Fan Motor Power		kW	0.55×2	0.55×2	0.75×2	0.75×2	0.75×2	0.55×4	0.75×4	0.75×4
Fan Motor Input Current		A	5	5	6.8	6.8	6.8	10.0	14.0	14.0
Static Pressure		Pa	150~300						150~500	
Noise		dB(A)	62	63	65	66	66	67	69	70
Net Dimension(LxWxH)		mm	1750×800×640	1750×800×640	1800×1200×640	1800×1200×640	1800×1200×640	2000×1400×800	2000×1400×800	2000×1600×800
Net Weight		kg	144	158	180	196	208	234	278	352
Packing Dimension(LxWxH)		mm	1810×890×740	1810×890×740	1860×1288×740	1860×1288×740	1860×1288×740	2100×1500×900	2100×1500×900	2100×1700×900
Gross Weight		kg	154	170	194	212	224	250	294	368

Outdoor Unit										
Power Supply		380V/3P/50Hz								
Compressor	Qty	2	2	2	2	2	2	4	4	
	Type	Scroll compressor								
Refrigerant Charge		kg	12	13.8	15.2	16.4	21	26	32	38
Refrigerant		R410a								
Connecting Pipe	Liquid	Inches	5/8"							
	Gas	Inches	7/8"							
Maximum Piping Length		m	40							
Maximum Height Drop		m	10							
Air Discharging Type		Top								
Noise	dB(A)	65	66	68	69	70	71	72	74	
Net Dimension(LxWxH)	mm	1800×980×1220	1800×980×1220	1800×980×1220	2180×1130×1220	2180×1130×1220	2500×1280×1220	2500×1280×1220	2500×1280×1220	
Net Weight	kg	380	420	470	600	700	1050	1270	1400	
Packing Dimension(LxWxH)	mm	1850×1080×1320	1850×1080×1320	1850×1080×1320	2280×1230×1320	2280×1230×1320	2650×1380×1320	2650×1380×1320	2650×1380×1320	
Gross Weight	kg	420	460	510	660	760	1140	1360	1500	

Note:
1)Nominal cooling conditions: indoor dry bulb temperature is 27℃, indoor wet bulb temperature is 19℃, outdoor dry bulb temperature is 35℃, outdoor wet bulb temperature is 24℃
2)Nominal heating conditions: indoor dry bulb temperature is 20℃, indoor wet bulb temperature is 15℃

DUCTED



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The models and specifications of equipment listed in this catalog shall be subject to change without any prior notification due to product updating.

AIRTROJAN INC.
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ATDU-1004HC



高静压风管机组

产品特点

High Static Pressure Duct Unit



1、风冷全空气空调系统节省投资

Air cooled air to air air conditioning system saves investment:

高静压风管机组是分体式全空气空调系统设备，无需水系统及其配套设备，降低初投资，简捷高效地实现制冷和热泵功能。

High static pressure duct unit is split type air to air air conditioning system equipment, it has no request on water system & compound equipments, can reduce initial investment, can implement cooling & heat pump function simply & highly efficiently.



2、应用灵活，可随意调节风速

Flexible application, air flow speed can be adjusted at will

高静压设计，可以远距离输送空气，加上高、中、低三速随意调节，能够灵活多样选择安装位置，满足客户各种情况下的需要。

High static pressure design, air flow can be conveyed through long distance, operation can be adjusted at high/medium/low speed freely, flexible installation, can meet all kinds of customer request.



3、性能优异，运行宁静

Excellent performance, running silently

机组采用世界知名品牌涡旋压缩机，配置高效低噪的空调专用减振风机，送风效能卓越，运行平稳安静。

The unit adopts world famous brand scroll compressor, configured with high efficiency low noise vibration absorption fan special for air conditioner, which has excellent air supply performance, running silently.



4、装饰效果雍容华丽

Graceful & magnificent decoration

如中央空调般的装饰效果，室内机和风管装在天花板内，仅露的风口能非常随意地和各种装饰效果融为一体，倍感方便和华丽。

Decorated as central air conditioners, indoor units & duct is installed in the ceiling, only the air outlets will be the exposed components, which can be blended into all kinds of decoration smoothly, makes people feel convenient & graceful.



适用范围

Application range

广泛应用于商场、酒店、超市、车间、民用住宅、公寓套房等各种建筑。

The units widely used in buildings like emporiums, hotels, supermarkets, workshops, residential houses, apartments, etc.

高静压风管机组参数表

High Static Pressure Duct Unit Parameter

型号 Model		H-DhR100S	H-DhR140S	H-DhR180T	H-DhR180T/3	H-DhR220T/3	H-DhR260T/3	H-DhR300T/3
制冷量 Cooling Capacity	kW	10.6	14.2	18.4	18.5	22.2	26.5	30
制热量 Heating Capacity	kW	12.8	16.5	20.5	21.5	24.5	28.6	33
额定输入功率 Rated Input Power	制冷 Cooling	kW	3.3	4.5	5.8	7	8.3	10.6
	制热 Heating	kW	3.9	5.2	6.4	7.5	8.6	11.2
额定输入电流 Rated Input Current	制冷 Cooling	A	18.7	25.5	33	11	13.3	15.8
	制热 Heating	A	22	29.5	36	12.5	14.2	16.3
室内机组 Indoor Unit								
电源 Power Supply		220V ~ /50Hz						
额定风量 Rated Air Flow Volume	m ³ /h	1800	2600	3500	3500	4000	4800	6000
风机功率 Fan Motor Power	kW	0.15	0.275	0.15 × 2	0.15 × 2	0.25 × 2	0.375 × 2	0.55 × 2
输入电流 Fan Motor Input Current	A	1.36	2.5	2.72	2.72	4.5	6.8	4.8
静压 Static Pressure	Pa	70~130						
噪音 Noise	dB(A)	51	54	55	55	56	57	58
净尺寸 (长 × 宽 × 高) Net Dimension(LxWxH)	mm	1050 × 600 × 435	1050 × 600 × 435	1350 × 600 × 435	1350 × 600 × 435	1600 × 600 × 435	1600 × 600 × 435	1900 × 800 × 540
净重 Net Weight	kg	49	59	72	73	84	84	110
包装尺寸 (长 × 宽 × 高) Packing Dimension(LxWxH)	mm	1090 × 658 × 495	1090 × 658 × 495	1390 × 658 × 495	1390 × 658 × 495	1640 × 658 × 495	1640 × 658 × 495	1950 × 850 × 600
毛重 Gross Weight	kg	53	63	77	78	91	91	118
室外机组 Outdoor Unit								
电源 Power Supply		220V ~ /50Hz			380V/3N ~ /50Hz			
制冷剂充注量 Refrigerant Charge	kg	2	3.2	4.5	4.2	4.5	5	6
制冷剂 Refrigerant		R22						
连接管 Connecting Pipe	液体 Liquid	Inches	3/8"	1/2"	1/2"	1/2"	1/2"	5/8"
	气体 Gas	Inches	5/8"	3/4"	3/4"	3/4"	3/4"	7/8"
最大配管长度 Maximum Piping Length	m	50						
最大落差 Maximum Height Drop	m	30						
出风方式 Air Discharging Type		侧出风 Side			顶出风 Top			
噪音 Noise	dB(A)	57	59	61	61	63	63	65
净尺寸 (长 × 宽 × 高) Net Dimension(LxWxH)	mm	1010 × 416 × 865	1010 × 416 × 1280	1100 × 640 × 1010	1100 × 640 × 1010	1250 × 640 × 1010	1250 × 640 × 1010	1650 × 790 × 1040
净重 Net Weight	kg	80	128	165	140	150	180	260
包装尺寸 (长 × 宽 × 高) Packing Dimension(LxWxH)	mm	1110 × 462 × 1080	1110 × 462 × 1495	1146 × 735 × 1110	1146 × 735 × 1110	1296 × 735 × 1110	1296 × 735 × 1110	1700 × 890 × 1140
毛重 Gross Weight	kg	85	132	203	178	188	220	310

注:

1) 名义制冷工况: 室内干球温度27℃, 室内湿球温度19℃, 室外干球温度35℃, 室外湿球温度24℃。

2) 名义制热工况: 室内干球温度20℃, 室内湿球温度15℃, 室外干球温度7℃, 室外湿球温度6℃。

Note:

1) Nominal cooling conditions: indoor dry bulb temperature is 27℃, indoor wet bulb temperature is 19℃, outdoor dry bulb temperature is 35℃, outdoor wet bulb temperature is 24℃.

2) Nominal heating conditions: indoor dry bulb temperature is 20℃, indoor wet bulb temperature is 15℃, outdoor bulb temperature is 7℃, outdoor wet bulb temperature is 6℃.