


Specifications

			6HP		8HP	
Compressor Module			AVW-54H6FH3-C		AVW-76H6FH3-C	
Power Supply			3N-380-415V 50/60Hz			
Cooling	Capacity	KW	16.0		22.4	
		kBtu/h	54.0		76.0	
	Power Input	KW	6.40		9.74	
	EER	kW/kW	2.50		2.30	
	SEER	kW/kW	5.10		5.10	
Heating	Capacity(Max/Nom)	KW	18.0/16.0		25.0/22.4	
		kBtu/h	61.0/54.0		85.0/76.0	
	Power Input(Max/Nom)	kW	5.29/4.44		7.81/6.59	
	COP(Max/Nom)	kW/kW	3.40/3.60		3.20/3.40	
	SCOP	kW/kW	4.20		4.20	
Sound Pressure Level	Normal Mode/Night Shift Mode	dB(A)	50/45		54/46	
Compressor	Type	-	Scroll Compressor			
	Quantity	pcs	1			
Refrigerant	Type	-	R410A			
	Pre-charged Quantity	kg	4			
Weight	Net Weight	kg	148			
	Gross Weight	kg	158			
Dimensions	H × W × D	mm	1030 × 820 × 560			
Operation Range	Cooling	℃ DB	-5~46			
	Heating	℃ DB/WB	-20~-20.5-26/15.5			
Heat Exchanger Module			AVW-54H6H3-E		AVW-76H6H3-E	
Power Supply			220-240V 50/60Hz			
Sound Pressure Level			dB(A)		49	
Weight	Net Weight	kg	107			
	Gross Weight	kg	124			
Dimensions	H × W × D	mm	484 × 1072 × 1269			
Ventilation	Air Flow Rate	m³/min	60		78	
	Fan Quantity	pcs	1			
	Max. Static Pressure	Pa	150			
Piping Design			6HP		8HP	
Connectable Units	Max. Connectable Heat Exchanger Modules	pcs	2		2	
	Max. Connectable Indoor Units	pcs	12		18	
	IDUs Connection Ratio	%	50~130			
Ref. Piping	Between Compressor Module and Heat Exchanger Modules	Gas	mm		22.20	
		Liquid	mm		12.70	
	Between Compressor Module and Indoor Units	Gas	mm		19.05	
		Liquid	mm		9.53	
Max. Height Difference	Between Compressor Module and Heat Exchanger Modules	m	10			
		IDU Lower	m		50	
	Between Compressor Module and Indoor Units	IDU Higher	m		40	
		Between Indoor Units	m	15		
Max. Piping Length	Between Compressor Module and Heat Exchanger Modules	m	30			
	Between Compressor Module and Indoor Units	m	70			
Max. Total Piping Length			m		140	
					300	
Modules Combination						
Compressor Module			Connected Heat Exchanger Module			
AVW-54H6FH3-C			AVW-54H6FH3-E			
AVW-76H6FH3-C			AVW-76H6FH3-E			
			AVW-54H6FH3-E		AVW-54H6FH3-E	
Qingdao Hisense HVAC Equipment Co., Ltd.						
Hisense International Center, Qingdao, China						
<a href="http://www.hisensehvac.com">http://www.hisensehvac.com</a>						
<a href="mailto:hhexport@hisense.com">hhexport@hisense.com</a>						
<a href="#">Hisense HVAC</a>						
<a href="#">Hisense HVAC</a>						
<a href="#">Hisense HVAC</a>						
						
HCAC-VRF-I20250324WE						





## High Flexibility

Note: Installation in high-traffic or noise-sensitive areas should be avoided.



### Small Footprint

The compact compressor module is designed to minimize its footprint and maximize space utilization.



Unit: mm



### Easy Transportation

The compact design and reduced weight make transportation more convenient and allow it to fit into elevators effortlessly.



### Invisible Installation

All units are installed indoors, seamlessly integrated with the interior decor and completely invisible from the street.



### Flexible Piping Design

The ultra-long piping offers greater flexibility in system design. Besides, the heat exchanger module, with a maximum ESP of 150Pa, meets diverse air supply requirements of different locations.

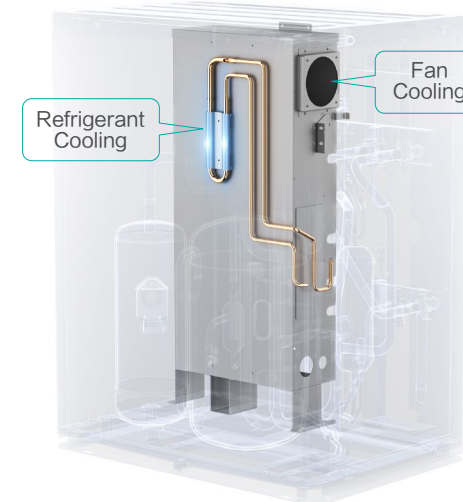


## High Reliability



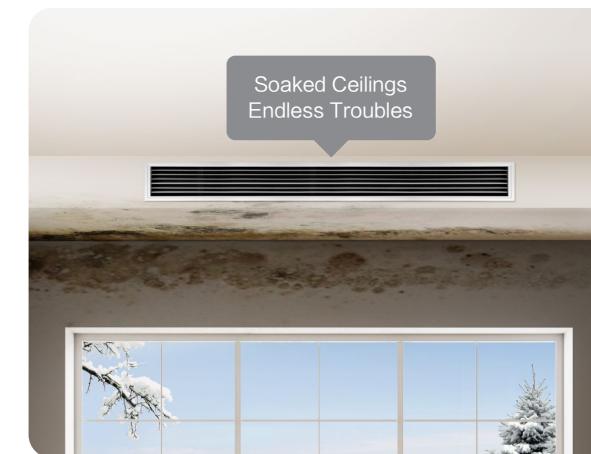
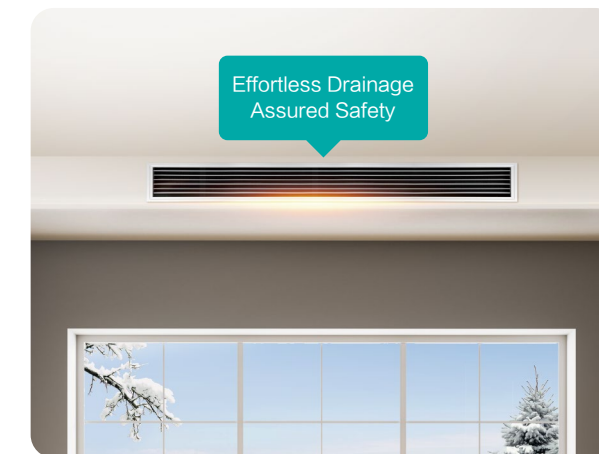
### Efficient Heat Dissipation

With a refrigerant cooling kit to cool the electrical control box, Hi-Smart I series overcomes the heat dissipation issues to ensure reliable operation. Besides, the addition of ventilation fans accelerates internal air flow, further improving heat dissipation and reducing overall temperature.



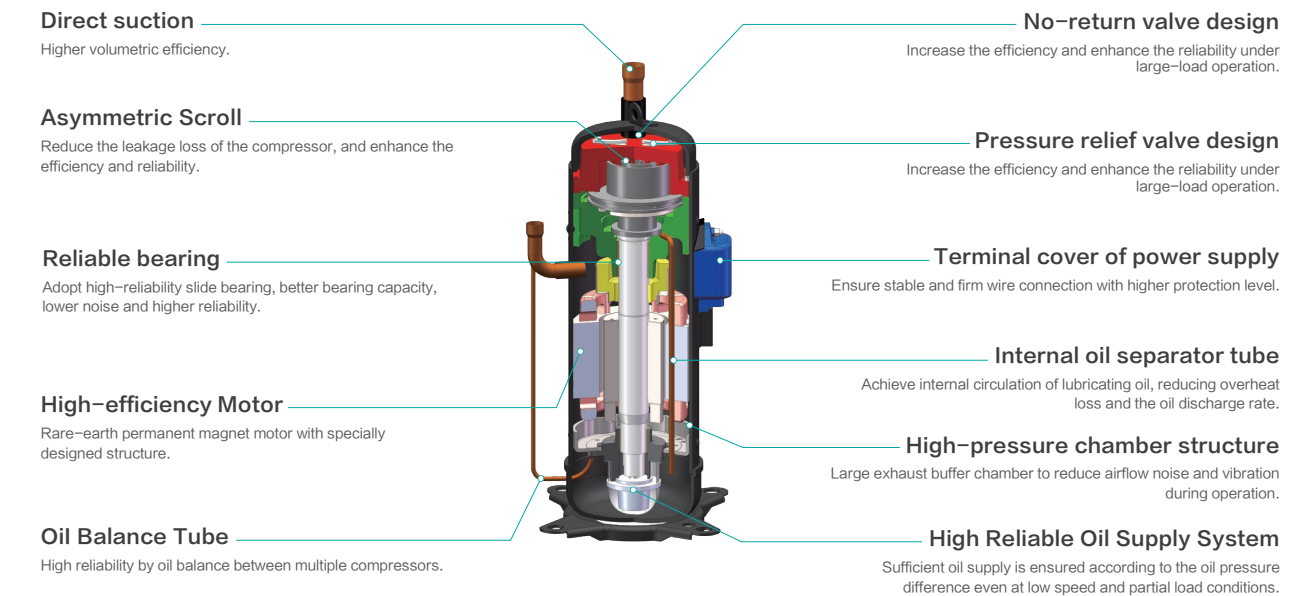
### Anti-freeze Drainage

Still worried about ceiling water damage from blocked drain? Hi-Smart I series solves this problem with an optimized pipe design. By extending the main liquid pipe to the drainage outlet, its high temperature effectively melt ice for smooth drainage, ensuring safe and reliable operation in cold and humid conditions.



### High-efficiency Compressor

Hi-Smart I series adopts a new generation of scroll compressor, and it has an excellent mechanism called as FCM (Frame Compliant Mechanism) which will optimally increase the performance of the whole compressor, especially for operation under low load.



### Electromagnetic Heating Technology

Featuring Hisense's proprietary electromagnetic heating technology, the need for an external electric heating belt is eliminated. This innovation heats the lubricating oil directly within the compressor's fixed rotor, reducing heat loss and enhancing heating efficiency. As a result, it significantly reduces the low-temperature preheating time and can lower power consumption by up to 74%.

