CHV5 Compact

Advanced DC inverter control technology increases the efficiency of the compressor

ALL DC inverter compressors and highly efficient compression chambers are designed to reduce the loss of superheated refrigerant and increase the compression ratio of the main refrigerant flow. Compared to a low-pressure chamber, the compression ratio increases. The highly efficient permanent magnet synchronous motor is designed to improve performance compared to conventional inverter compressors.

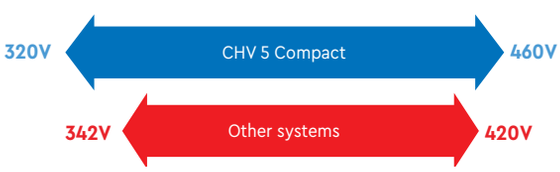


Maximum lengths of pipelines and height differences between units, m

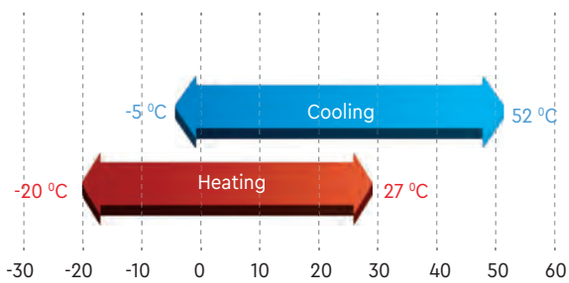
		Compact
Outdoor unit index		140
Total pipe length		300
Pipe length from the ODU to the farthest IDU	Physical	120
	Equivalent	150
The equivalent length from the first branch to the farthest IDU		40
Height difference between ODU and IDU	ODU is higher	50
	ODU is lower	40
Height difference between IDUs		15

A wide range of voltage and operating modes

The operating voltage range of the CHV5 system has been extended to 320–460V, which exceeds the national standard of 342–420V. This system will continue to operate normally even in places with unstable voltage.



The operating temperature of the outside air is extended to - 5 °C ... 52 °C in the cooling mode and - 20 °C ... 24 °C in the heating mode.



TECHNICAL CHARACTERISTICS OF OUTDOOR UNITS CHV5 COMPACT

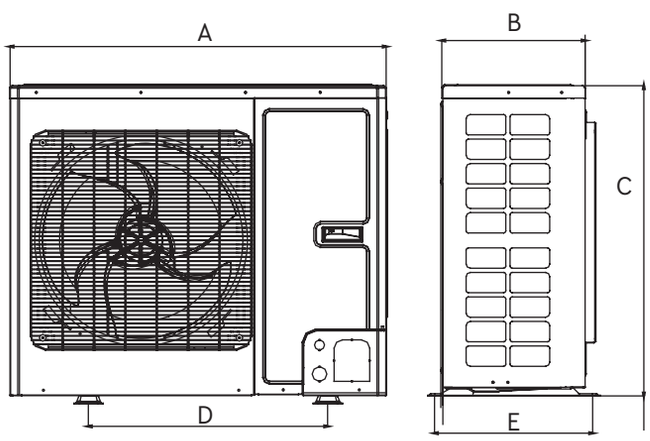
Model			CHV-5S140NK1
Cooling capacity		kW	14.1
Heating capacity		kW	14.1
Air flow rate		m^3/h	6300
Sound power level		dB(A)	77
Power supply		V/Ph/Hz	220–240V / 1Ph / 50Hz
SEER	Cassette IDU		5.85
	Duct IDU		5.73
SCOP	Cassette IDU		3.74
	Duct IDU		3.86
Max. power consumption		kW	6.3
Max. current consumption		A	31.8
Automatic switch		A	40
Minimum cross-sectional area of the power cable (cross-section mm^2 × number of cores)		-	3x6
Compressor type		-	Inverter Rotary
Quantity of compressors		pcs	1
Outdoor air temperature range	Cooling	°C	-5~52
	Heating	°C	-20~27
Refrigerant type		-	R410A
Refrigerant charge volume		kg	5
Maximum number of indoor units		pcs	8
Pipe diameter	Liquid line	mm	Ø 9.52
	Gas	mm	Ø 15.9
Dimensions (W×D×H)	Unit	mm	940x486x820
	Package	mm	1023x563x973
Net/Gross weight		kg	110/120

OVERALL DIMENSIONS

Overall dimensions and installation holes dimension

CHV-5S140NK1

Units: mm



	A	B	C	D	E
CHV-5S140NK1	940	460	820	610	486