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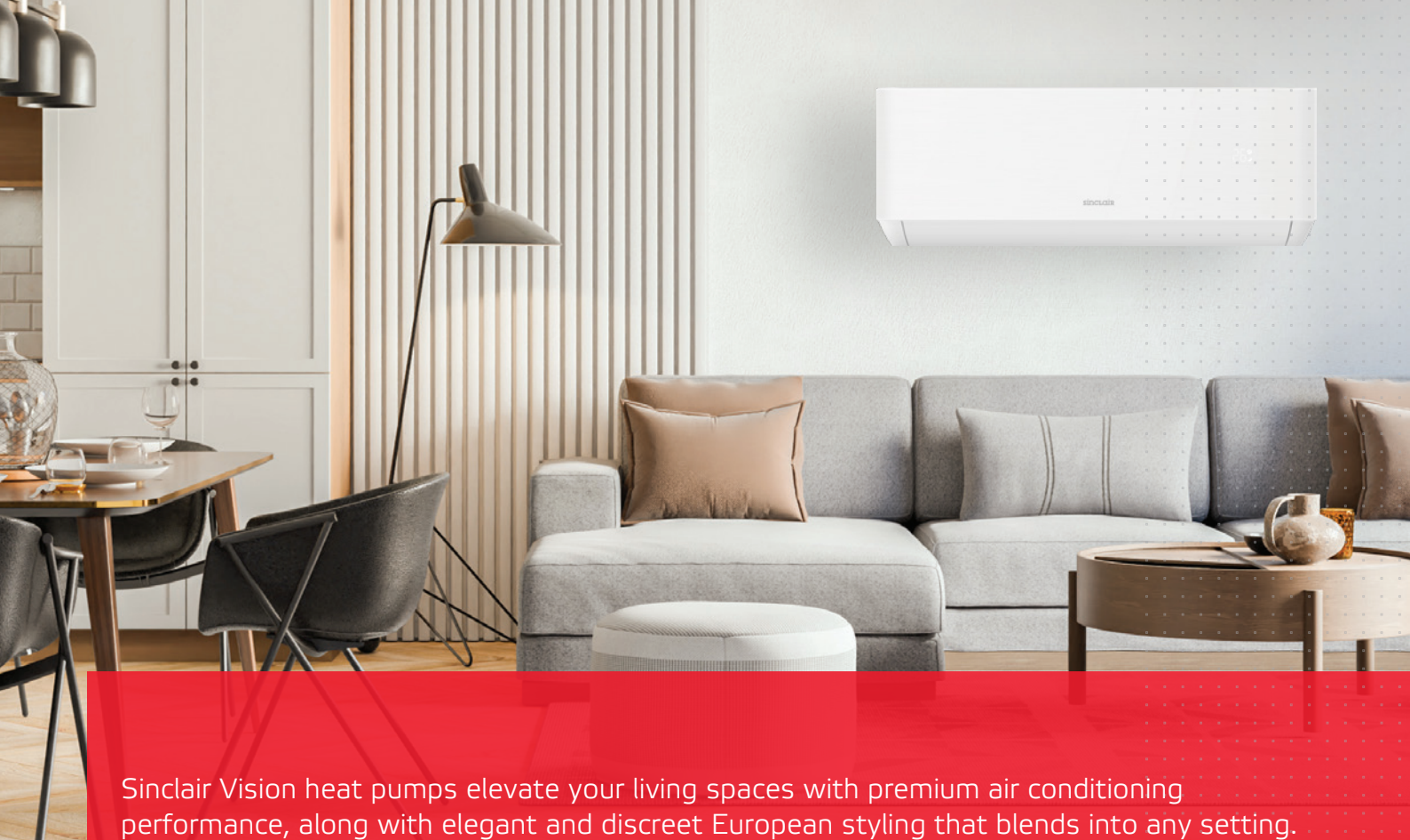
**VISION**

**SERIES**

**HEAT PUMP**

**6**

YEARS  
WARRANTY



Sinclair Vision heat pumps elevate your living spaces with premium air conditioning performance, along with elegant and discreet European styling that blends into any setting.

## EFFICIENCY

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With efficiency foremost in its design, whether heating or cooling, Sinclair Vision uses inverter technology to optimize your environment while minimising energy consumption. With independent dehumidification, the Vision unit is not dependent on the cooling function to dehumidify the air, saving further on energy costs.

## HEALTH AND COMFORT

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Sinclair Vision reduces airborne particles while being easy to maintain with easily washable dust filters. Intelligent drying reduces moisture indoors, draining it outside where it belongs. The "I Feel" function instructs the unit to create your ideal conditions, even in larger, open spaces.

## EXPERT INSTALLATION

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Critical to the performance and reliability of a heat pump is the quality of installation. Sinclair NZ recommends your Vision unit be installed and checked by a qualified, professional heat pump installer.



## ABOUT SINCLAIR

Sinclair has a long history of delivering cutting-edge air conditioning solutions for the wide diversity of European environments. For decades we have been developing and implementing the latest technologies to push the boundaries of performance and energy efficiency.

We understand different countries have a range of climates and needs, and we have designed the Vision range with New Zealand homes in mind.

## FEATURES



INVERTER TECHNOLOGY



ANTICORROSION TREATMENT OF EXCHANGERS



ADJUSTABLE AIRFLOW



LED OPERATION AND DIAGNOSTICS



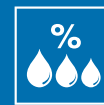
INTELLIGENT, AUTO DEFROST FUNCTION



24-HOUR TIMER



WiFi OPERATION



INDEPENDENT DEHUMIDIFYING



R32 REFRIGERANT



WASHABLE FILTERS



I FEEL



CHILD LOCK



SELF-DIAGNOSIS



EVAPORATOR SELF-CLEANING



AUTO-RESTART



SLEEP MODE

# SINCLAIR VISION TECHNICAL PARAMETERS

MODEL / PART NO.		SIHA-10BV	SIHA-13BV	SIHA-18BV	SIHA-24BV	SIHA-28BV	
		SOHA-10BV	SOHA-13BV	SOHA-18BV	SOHA-24BV	SOHA-28BV	
<b>PERFORMANCE</b>							
Rated Cooling Capacity		kW	2.64 (0.8~3.7)	3.53 (0.9~4.2)	5.3 (1.0~5.6)	7.2 (1.5~7.5)	8.2 (1.5~8.5)
Rated Heating Capacity		kW	3.3 (0.6~4.4)	3.65 (0.8-5.2)	5.3 (1.0~5.8)	7.3 (1.5~7.8)	8.4 (1.5~8.5)
Rated Input	Cooling	kW	0.55 (0.1~1.3)	0.87 (0.12-1.85)	1.3 (0.23~2.15)	2.1 (0.35~3.0)	2.39 (0.3~3.1)
	Heating	kW	0.75 (0.11~1.4)	0.85 (0.13-2.0)	1.22 (0.25~2.15)	1.83 (0.35~2.8)	2.3 (0.3~3.15)
AEER for Cooling		W/W	4.7	4	4	3.4	3.4
ACOP for Heating		W/W	4.4	4.2	4.3	4	3.6
TCSPF for Cooling	Hot / Mixed / Cold	-	7.0 / 6.0 / 6.0	6.2 / 5.6 / 5.1	6.2 / 5.7 / 6.0	5.1 / 4.8 / 5.0	5.2 / 4.8 / 5.1
HSPF for Heating	Hot / Mixed / Cold	-	5.1 / 4.7 / 4.3	5.1 / 4.7 / 4.2	5.0 / 4.6 / 4.1	5.1 / 4.5 / 3.9	5.0 / 4.3 / 3.7
Energy Star for Cooling	Hot / Mixed / Cold	-	5.5 / 4.5 / 4.5	4.5 / 4.0 / 4.0	4.5 / 4.0 / 4.0	3.5 / 3.0 / 3.5	3.5 / 3.0 / 3.5
Energy Star for Heating	Hot / Mixed / Cold	-	3.5 / 3.0 / 2.5	3.5 / 3.0 / 2.5	3.5 / 3.0 / 2.5	3.5 / 2.0 / 2.0	3.5 / 2.5 / 2.0
Operation Temperature Range		°C	16°C~31°C	16°C~31°C	16°C~31°C	16°C~31°C	16°C~31°C
Ambient Temperature Range	Outdoor Cool / Heat	°C	15-50 / -15-24	15-50 / -15-24	15-50 / -15-24	15-50 / -15-24	15-50 / -15-24
	Indoor Cool / Heat	°C	17-32 / 0-27	17-32 / 0-27	17-32 / 0-27	17-32 / 0-27	17-32 / 0-27
Moisture Removal	-	L/H	0.8	1.1	1.8	2.2	2.8
Sound Power	Indoor	dB(A)	54	54	60	64	65
	Outdoor	dB(A)	63	64	65	66	67
Sound Pressure	High (Dp)	MPa	4.3	4.3	4.3	4.3	4.3
	Low (Sp)	MPa	1.2	1.2	1.2	1.2	1.2
<b>ELECTRICAL DATA</b>							
Power Supply	-	V	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz	220-240V~50Hz
Running Current	Cooling	A	3.9 (0.4~5.8)	3.9 (0.5~8.6)	5.7 (1.2~12)	9.5 (1.5~14.5)	10.7 (1.5~14)
	Heating	A	3.4 (0.5~5.9)	3.9 (0.5~9.0)	5.8 (1.3~12)	8.3 (1.4~15.0)	10.3 (1.5~14)
Max Current Cooling/Heating	-	A	5.8 / 5.9	8.6 / 9.0	12	14.5 / 15.0	14 / 14
Max Input Cooling/Heating	-	W	1300 / 1400	1850/2000	2150	3000 / 2800	3100 / 3150
Standby Power	-	W	4	3.43	3.45	4.6	4.91
Connecting Wiring	-	-	3 Core Plus Earth (4 Cores)				
<b>INSTALLATION</b>							
Connecting Pipe	Gas	mm	Φ9.52 (3/8")	Φ9.52 (3/8")	Φ12.7 (1/2")	Φ12.7 (1/2")	Φ12.7 (1/2")
	Liquid	mm	Φ6.35 (1/4")	Φ6.35 (1/4")	Φ6.35 (1/4")	Φ6.35 (1/4")	Φ6.35 (1/4")
Max. Pipe Length	Pre-Charged	Meters	15	15	20	20	20
Max. Height Difference	-	Meters	10	10	15	15	15
Refrigerant	Type / Weight	Kg	R32 / 0.520	R32 / 0.630	R32 / 1.140	R32 / 1.14	R32 / 1.27
Suitable Area	-	M <sup>2</sup>	9~16	15~23	20~35	27~45	30~50
Net Dimensions (W x D x H)	Indoor	mm	820×306×195	820×306×195	1097×332×222	1097×332×222	1097×332×222
	Outdoor	mm	795×305×549	795×305×549	927×380×699	927×380×699	978×421×803
Net Weight	Indoor	Kg	9	9	13	14	14
	Outdoor	Kg	23	24	37	38.5	45