



SMART USER HEATING AND COOLING

# MULTI SPLIT AIR CONDITIONING

Introducing the ultimate home comfort solution



Manufactured by **TCL**



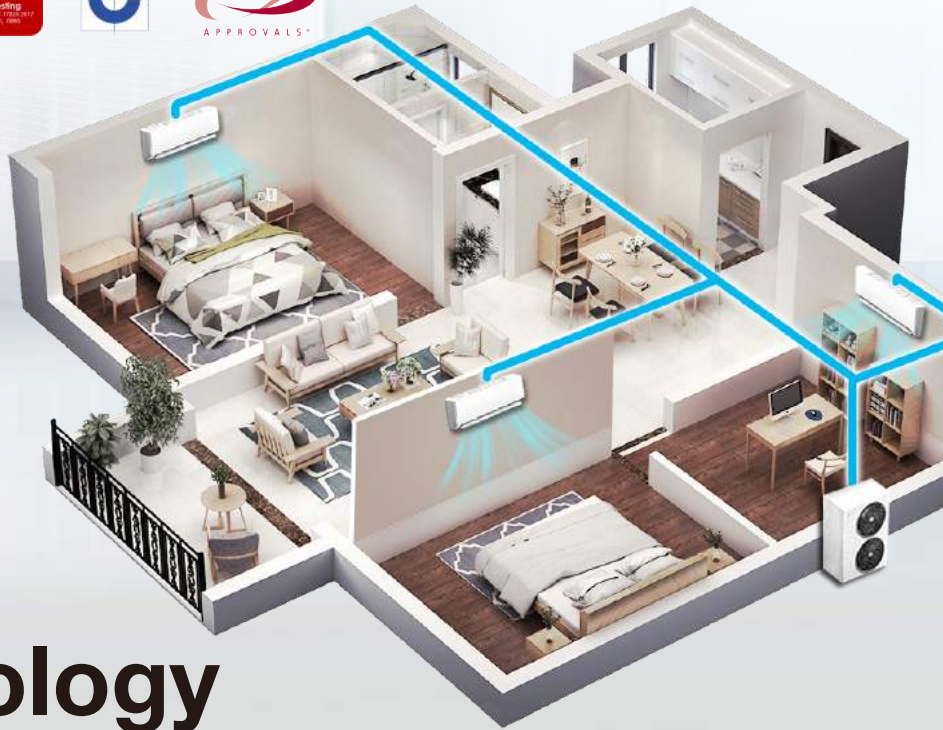
# Made by Australians Made for Australians

As an officially accredited provider under Essential Services Commission Victoria, Smart User has proudly been an integral part of Victorian households, delivering affordable home improvements for more than 250,000 families.

On this exhilarating new journey, you will experience the esteemed partnership between Smart User and TCL for cutting-edge Multi Split System Air Conditioning. Our mission - to help ALL Victorians in home improvement and energy efficiency.



SGS



# Key Technology

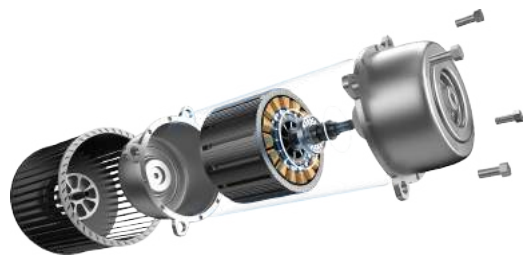


## Smart DC IPM Inverter

By incorporating a Next-Gen DC IPM inverter, our system intelligently adapts its capacity output to fulfill higher demands. This guarantees seamless operation, maximised performance, minimal temperature fluctuation, outstanding product reliability, and unmatched energy efficiency.

## Ultimate Airflow Design

The Smart User Multi Split AC System features a state-of-the-art DC fan motor with Stepless Speed Regulation, optimised through DOE Technology and CDF Calibration. As a result, the system offers a highly efficient heat exchanger, substantially reduced operational noises, and enhanced airflow.



## CAN Technology

To ensure a swift and reliable connection between indoor and outdoor units, we employed CAN Communication Technology, primarily utilised in high-end automotive industry. Consequently, the system achieves robust anti-interference capabilities, intelligent defrosting, and efficient error detection functions.

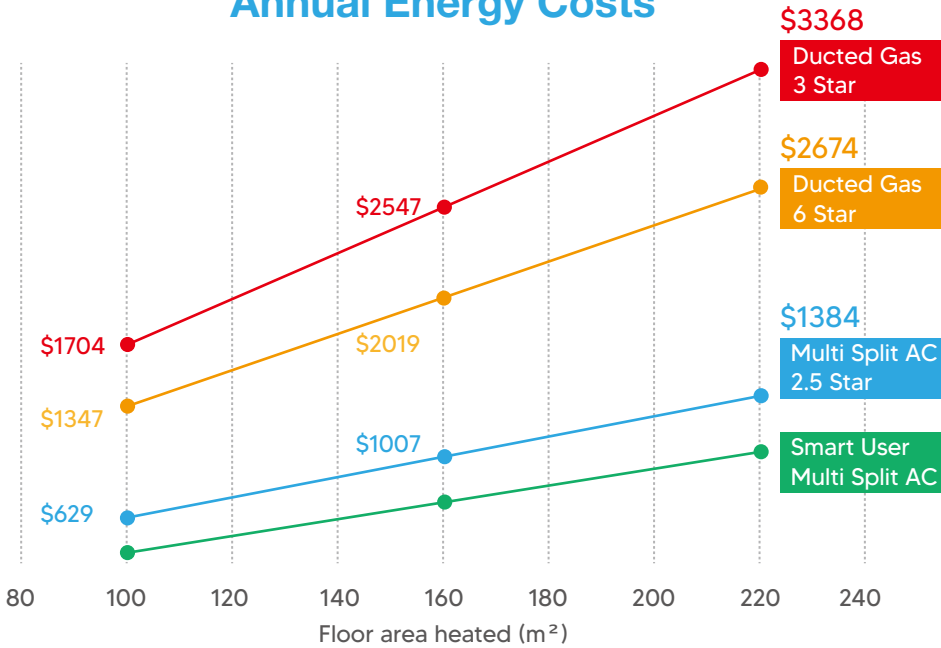




# Key Benefits

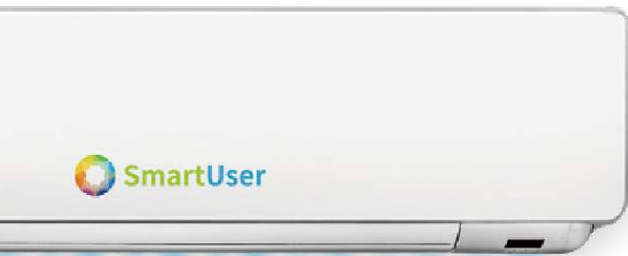


## Annual Energy Costs



\*All calculations and rankings are directly derived from official reports issued by the Australian Commonwealth Government and the Victoria State Government. Specific data sources are outlined below.

Australian Energy Regulator - <https://www.aer.gov.au/>  
Sustainability Victoria - <https://www.sustainability.vic.gov.au/>  
Energy Rating Australia - <https://www.energyrating.gov.au/>



# Key Features



## Individual Temperature Control for Each Room

This feature enables users in different rooms to set their preferred temperature without influencing others, and generate significant savings on heating and cooling bills.



## Clutter-Free Exterior

By powering multiple indoor units with a single outdoor unit, our system offers the advantage of maintaining a clutter-free exterior for your home.



## Super Wide Operating Temperature Range

With an operating temperature range of  $-5^{\circ}\text{C}$  to  $56^{\circ}\text{C}$  for cooling and  $-25^{\circ}\text{C}$  to  $28^{\circ}\text{C}$  for heating, our system is perfectly equipped to handle any weather condition in Australia.



## R410a Refrigerant

As one of the most eco-friendly and human-friendly refrigerants, the R410a does not deplete the ozone and has become a prevalent choice for all modern air conditioning systems.



## Quality-Focused Design

From the meticulous engineering of condenser chassis to the formulated coating which minimises hydrophilicity and corrosion, our system is designed to guarantee the heating and cooling demands for many years to come.



## 5-Year Parts and Labour Warranty

In close collaboration with TCL, all our systems are of the highest quality, and we offer a full 5-year parts and labour warranty to provide utmost reassurance and protection.



# Specifications



The official partner of **TCL**  
for Multi Split Air Conditioning

Indoor Unit Model			SMV-V30G/N1Y	SMV-V50G/N1Y	SMV-V80G/N1Y	SMV-V120G/N1Y
Power Supply			220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz
Heating	Capacity	kW	3.0	5.0	8.0	12.0
	Power Input	W	40	45	70	78
	Rated Current	A	0.19	0.20	0.32	0.35
Cooling	Capacity	kW	2.8	5.0	7.1	10.0
	Power Input	W	40	45	70	78
	Rated Current	A	0.19	0.20	0.32	0.35
Sound Pressure Level (Indoor)	High	dB(A)	38	42	44	46
	Medium	dB(A)	33	37	39	42
	Low	dB(A)	27	33	35	38
Pipe Size	Liquid	Inches	1/4"	1/4"	3/8"	3/8"
	Gas	Inches	1/2"	1/2"	5/8"	5/8"
Net Dimensions (W × H × D)		mm	910 × 294 × 206	910 × 294 × 206	1010 × 315 × 220	1190 × 310 × 210
Packaging Dimensions (W × H × D)		mm	977 × 367 × 276	977 × 367 × 276	1094 × 386 × 300	1270 × 390 × 290
Net Weight / Gross Weight		kg	10 / 12.5	10 / 12.5	13 / 16	13 / 16

Outdoor Unit Model			SMV-V170W/N1	SMV-V180W/N1	SMV-V200W/N1	SMV-V230W/N1
Power Supply			220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz	220-240V~/50Hz
Heating	Capacity	kW	17.0	19.0	20.0	23.0
	Power Input	kW	3.65	3.6	3.62	3.85
	Rated Current	A	16.59	16.36	16.45	17.50
	Temp. Range	Indoor	°C	15 ~ 31	15 ~ 31	15 ~ 31
Outdoor		°C	-25 ~ 28	-25 ~ 28	-25 ~ 28	-25 ~ 28
Cooling	Capacity	kW	17.0	15.5	18.5	21.0
	Power Input	kW	3.74	3.59	3.58	3.93
	Rated Current	A	17.00	16.32	16.27	17.86
	Temp. Range	Indoor	°C	16 ~ 32	16 ~ 32	16 ~ 32
Outdoor		°C	-5 ~ 56	-5 ~ 56	-5 ~ 56	-5 ~ 56
Sound Pressure Level (Outdoor)		dB(A)	56	55	55	61
Refrigerant	Type		R410A	R410A	R410A	R410A
	Original Charge	kg	3.7	5.6	5.6	6.5
Pipe Size	Liquid	Inches	3/8"	3/8"	3/8"	3/8"
	Gas	Inches	5/8"	3/4"	3/4"	7/8"
	Max. Height Difference	m	30 (OU to IU)	30 (OU to IU)	30 (OU to IU)	30 (OU to IU)
		m	20 (IU to IU)	20 (IU to IU)	20 (IU to IU)	20 (IU to IU)
	Max. Piping Length	m	120 (total)	120 (total)	120 (total)	120 (total)
m		70 (for one room)	70 (for one room)	70 (for one room)	70 (for one room)	
Net Dimensions (W × H × D)		mm	1010 × 850 × 410	950 × 1330 × 340	950 × 1330 × 340	1120 × 1560 × 400
Packaging Dimensions (W × H × D)		mm	1145 × 970 × 535	1080 × 1380 × 430	1080 × 1380 × 430	1250 × 1721 × 560
Net Weight / Gross Weight		kg	75 / 87	99 / 110	99 / 110	130 / 145



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