

● IDU lineup

Series	Type	Fan motor	Model	Capacity range(x100w)																										
				18	22	25	28	32	36	40	45	50	56	63	71	80	90	100	112	125	140	160	220	280	450	560				
 360° Q8 cassette	Cooling &Heating	DC	TMV-V(**) Q8/NIDY(E)				●		●		●	●	●	●	●	●	●	●	●	●										
 compact cassette	Cooling &Heating	DC	TMV-V(**) Q4R/NIDY(E)	●	●	●	●	●	●	●	●	●	●																	
 Slim duct	Cooling &Heating	DC	TMV-V(**) F5/NIDY(E)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
 Free static pressure duct	Cooling &Heating	DC	TMV-V(**) F2/NIDY(E)									●	●	●	●	●	●	●	●	●	●									
 Wall-mounted (External EXV)	Cooling &Heating	DC	TMV-V(**)G/ NIDY-B(E)		●		●		●		●	●	●		●	●	●	●												
 Wall-mounted (Built-in EXV)	Cooling &Heating	AC	TMV-V(**)G/ NIY-B(E)		●		●		●		●	●	●		●	●														
 Wall-mounted (Built-in EXV)	Cooling &Heating	AC (60Hz)	TMV-V(**)G/ NIY-B(E)		●		●		●		●	●	●	●	●	●														
 High static pressure duct	Cooling &Heating	AC	TMV-V(**) F1/NIY(E)																					●	●	●	●			
 Fresh air duct	Cooling &Heating	AC	TMV-V(**) F1/XFN1Y(E)																	●				●	●	●				
 Ceiling & Floor	Cooling &Heating	AC	TMV-V(**) ZD/NIY(E)									●	●	●	●	●	●	●	●	●	●									
 One-way cassette (Developing)	Cooling &Heating	DC	TMV-V(**) Q1/NIDY(E)		●		●		●		●	●	●	●	●															
 Two-way cassette	Cooling &Heating	AC	TMV-V(**) Q2/NIY€		●		●		●		●	●	●	●	●															

Completed Intelligent Control Solution

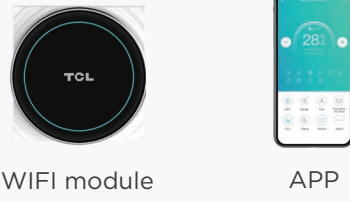
IDU Wireless Controller



IDU Wired Controller



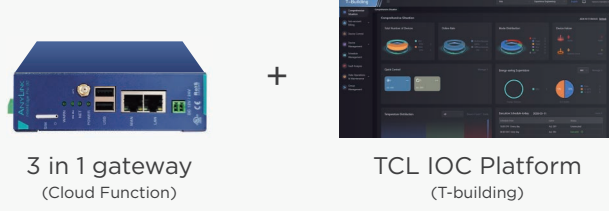
WIFI APP Control



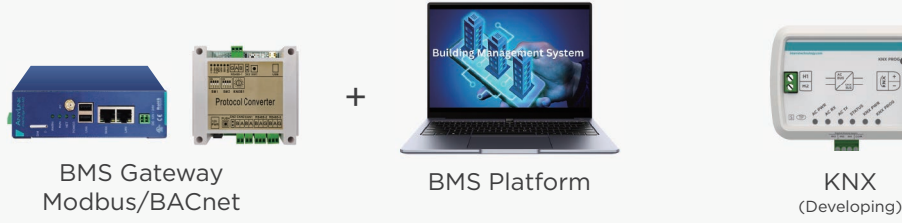
System Centralized Controller



System Cloud Control and Management



System BMS Control



● ODU Parameters(8-36HP)



8 to 16 HP			18 to 24 HP				26-32 HP				34-36 HP							
Model: TMV-VED+(**)/W/AS-D(EC)			252	280	335	400	450	504	560	615	680	730	785	850	900	950	1010	
			8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP	28HP	30HP	32HP	34HP	36HP	
Power Supply		V~Hz/Ph	380-415V, 50/60Hz, 3N															
Cooling	Capacity	kW	25.2	28.00	33.50	40.00	45.00	50.40	56.00	61.50	68.50	73.00	78.50	85.00	90.00	95.20	101.00	
	Input	kW	5.27	6.44	8.09	9.76	11.25	13.06	15.14	17.67	20.03	20.28	21.93	24.15	26.71	28.94	32.48	
	Current	A	8.41	10.27	12.91	15.56	17.94	20.82	24.14	28.19	31.94	32.34	34.97	38.51	42.59	46.15	51.80	
Heating	EER	W/W	4.78	4.35	4.14	4.10	4.00	3.86	3.70	3.48	3.42	3.60	3.58	3.52	3.37	3.29	3.11	
	Capacity	kW	27.0	31.50	37.50	45.00	50.00	56.50	63.00	69.00	75.00	81.50	87.50	95.00	100.00	106.00	112.00	
	Input	kW	4.89	5.83	7.08	9.09	10.75	13.29	15.33	16.91	19.23	19.88	21.60	24.68	26.88	28.96	32.84	
	Current	A	7.80	9.30	11.28	14.50	17.15	21.20	24.45	26.97	30.67	31.70	34.46	39.35	42.87	46.19	52.38	
	COP	W/W	5.52	5.40	5.30	4.95	4.65	4.25	4.11	4.08	3.90	4.10	4.05	3.85	3.72	3.66	3.41	
	Max. Input Consumption	kW	11.30	12.43	13.73	16.50	18.70	21.39	23.70	26.07	29.68	31.49	33.27	33.47	34.59	39.44	41.25	
	Max. Current	A	20.03	22.03	24.33	28.80	32.80	37.90	42.00	46.20	52.60	55.80	58.95	59.31	61.29	69.90	73.10	
Outdoor Fan Motor (Output Power x Fan quantity)		W	560				920				560				920			
Air Flow Volume		m³/h	11000	11000	11500	13500	14000	15500	19000	19000	20000	26000	26000	27000	27000	29000	29000	
Noise Level		dB(A)	56	57	58	59	60	61	61	62	63	63	64	65	65	66	66	
Dimension (W×D×H)	Net	mm	925×845×1780						1340×845×1780				1760×845×1780				1900×845×1780	
	Packing	mm	1000×925×1940						1415×925×1940				1835×925×1940				1975×925×1940	
Weight	Net	kg	215	215	215	230	230	270	315	315	320	380	380	420	420	455	455	
	Gross	kg	225	225	225	240	240	290	335	335	340	405	405	445	445	480	480	
Refrigerant type/ Quantity	Type	/	R410A															
	Charged Volume	kg	9	9.00	9.00	9.00	9.00	12.00	14.00	14.00	16.00	18.00	18.00	25.00	25.00	28.00	28.00	
Design Pressure		MPa	4.3/1.5	4.3/1.5	4.3/1.5	4.3/1.5	4.3/1.5	4.3/1.5	4.3/1.5	4.3/1.5	4.3/1.5	4.3/1.5	4.3/1.5	4.3/1.5	4.3/1.5	4.3/1.5	4.3/1.5	
Refrigerant Piping	Liquid Side	mm	φ9.52	φ9.52	φ12.7	φ12.7	φ12.7	φ15.9	φ15.9	φ15.9	φ15.9	φ19.1	φ19.1	φ19.1	φ19.1	φ19.1	φ19.1	
	Gas Side	mm	φ19.1	φ22.2	φ25.4	φ25.4	φ28.6	φ28.6	φ28.6	φ28.6	φ28.6	φ31.8	φ31.8	φ34.9	φ34.9	φ38.1	φ38.1	
	Max. Length	m	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	
	Max. Height	m	110\100	110\100	110\100	110\100	110\100	110\100	110\100	110\100	110\100	110\100	110\100	110\100	110\100	110\100	110\100	
Ambient Temp (Cooling/Heating)		°C	Cooling: -15~56 Heating: -30~28															



GD TCL INTELLIGENT HEATING & VENTILATING EQUIPMENT CO.,LTD.
Address: No.7 Yuanlin Road, Nantou, Zhongshan, Guangdong, PR China
Web : cac.tcl.com E- mail : hvac@tcl.com



V26.04.09



TMV6+Eco Series Intelligent VRF

Enhance Vapor Injection DC Inverter Air Conditioning System





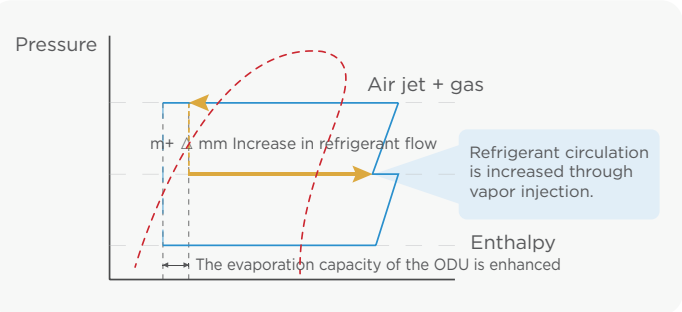
ODU Units

1 unit max.36HP

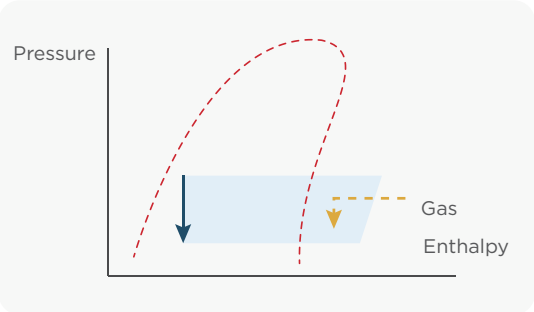
1 system up to 144HP

● Dual-Mode Enthalpy Enhancement Technology

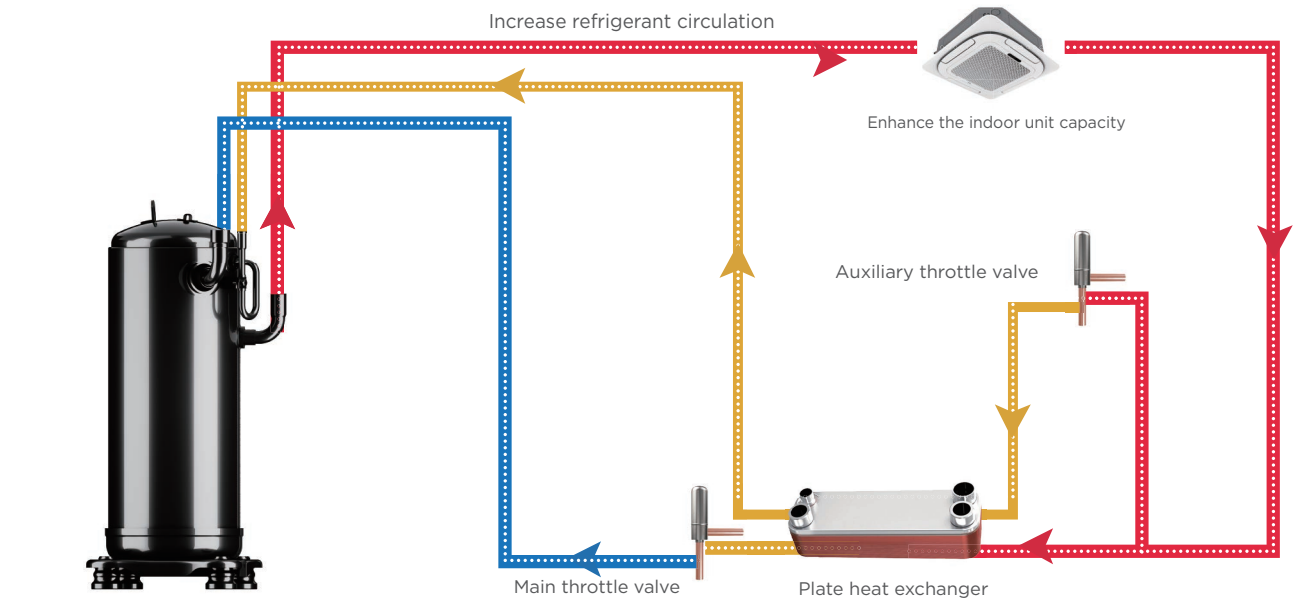
Our Dual Enthalpy Enhancement Technology ensures exceptional performance in extreme conditions, providing strong cooling at 56°C and powerful heating at -30°C. It intelligently manages refrigerant flow in both modes. In cooling, it increases circulation and subcooling to prevent noise after long pipe runs. In heating, it injects vapor into the compressor to boost refrigerant flow when outdoor temperatures plummet. This results in a reliable, stable system capable of effective heating even at very low temperatures.



Enhanced Vapor Injection (EVI) with Two-Stage Compression



Traditional VRF

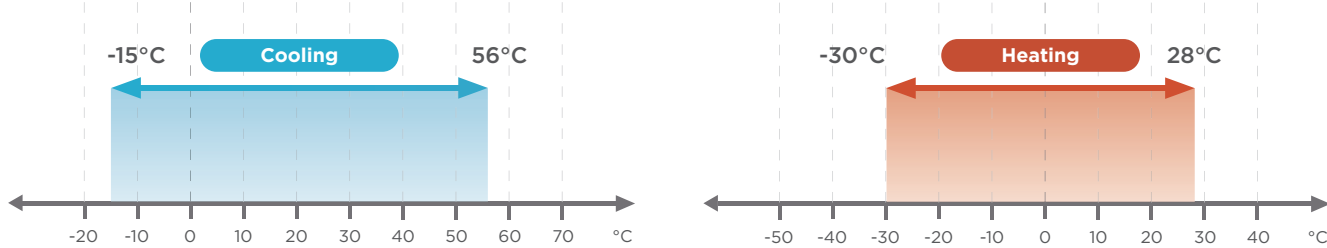


Enhanced Vapor Injection (EVI) Compressor

Improve the degree of supercooling, strengthen the evaporation capacity

● Ambient Temperature Range

With a reliable operating range from -30°C to 56°C, this unit is engineered to perform in harsh conditions and diverse scenarios.



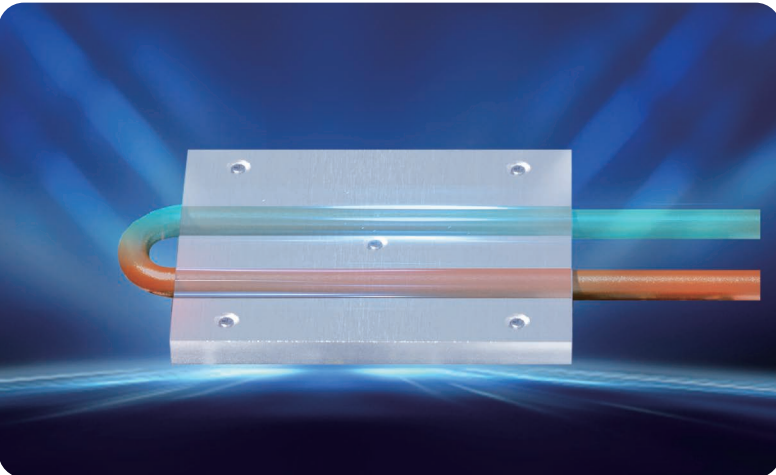
● Wide Voltage Range

The unit can operate in the range of voltage 290V-460V (International standard voltage 380V±10%), satisfy all kinds of voltage conditions.



● Refrigerant Cooling

The refrigerant cooling technology can cool the PCBs in high ambient temperature condition, which improves the reliability, efficiency and lifespan of the VRF units.



360° Air Outlet Cassette

● Soft Wind Panel

The optional Soft Wind Panel creates a 360° airflow for superior comfort. Air is dispersed through 2,565 micro-holes, which break up the direct airflow into a gentle, body-friendly breeze.

*This is optional



● 360° Airflow

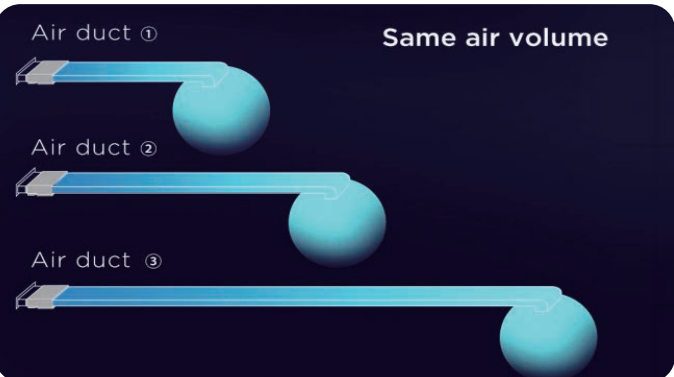
Experience a gentle breeze in every corner. Our system ensures uniform air distribution to eliminate hot and cold spots, maintaining a consistently comfortable temperature throughout your space.



Free ESP Duct Unit

● Constant Air Volume

Fan motor automatically adjusts speed according to real-time wind resistance. To provide stable air volume to rooms.



● High ESP

An ESP of up to 200 Pa supports longer air ducts and enables adaptation to a wider range of installation scenarios.



Low ESP Slim Duct Unit

● Ultra-Thin Body Design

With a minimum height of only 200 mm, the unit saves significant space. Its drain pump can raise condensate up to 1200 mm.



● Seven Gear Wind Speed

Precise fan speed control provides a more comfortable experience for wind-sensitive users.



One-way Cassette

● Slim Design

130mm Slim Design

Perfect for Various Installation Need:

- 150mm limited ceiling spaces
- Wall space saving
- Integrated home design



● Smart Comfort

Dual-side Airflow

120° Wide Airflow

Sky Airflow

10M Long-Distance Airflow



*New one-way cassette is under developing.