

● ODU Lineup



8 to 10 HP



12 to 18 HP



20 to 26 HP



28 to 30 HP

● ODU Parameters (8-30HP)

Model: TMV-Vd+(**)W/NIS-C(E3)			252	280	335	400	450	504	560	615	680	730	785	850
			8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP	28HP	30HP
Power Supply		V-,Hz,Ph	380-415V, 50/60Hz, 3N											
Cooling (T1)	Capacity	kW	25.2	27.9	33.3	40.0	45.0	50.5	56.5	61.5	68.0	73.5	78.5	85.0
	Capacity	Btu/h	86000	95000	114000	136000	154000	172000	192000	210000	232000	250000	268000	290000
	Input	kW	5.30	6.05	7.50	9.20	10.60	12.15	13.85	15.50	17.70	19.20	20.90	22.90
	Current	A	8.09	9.23	11.44	14.04	16.17	18.54	21.13	23.65	27.00	29.29	31.88	34.94
	EER	W/W	4.76	4.61	4.44	4.35	4.25	4.16	4.08	3.97	3.84	3.83	3.76	3.71
	EER	Btu/(W-h)	16.250	15.700	15.200	14.800	14.550	14.150	13.850	13.550	13.100	13.000	12.800	12.650
Cooling (T3)	Capacity	kW	23.1	25.5	30.9	36.5	40	46.5	51	57	61.5	66.5	71.5	77.5
	Capacity	Btu/h	79000	87000	105000	124000	136000	158000	174000	194000	210000	226000	244000	264000
	Input	kW	6.80	7.60	9.25	11.05	12.80	14.49	16.11	17.93	19.65	21.37	23.09	25.14
	Current	A	10.37	11.59	14.11	16.86	19.53	22.10	24.58	27.35	29.97	32.59	35.22	38.36
	EER	W/W	3.40	3.36	3.34	3.30	3.13	3.21	3.17	3.18	3.13	3.11	3.10	3.08
	EER	Btu/(W-h)	11.600	11.450	11.350	11.200	10.650	10.900	10.800	10.800	10.700	10.600	10.550	10.500
Heating	Capacity	kW	27	30.9	37.5	45	50	56	63	69	75	81.5	87.5	95
	Capacity	Btu/h	92000	105000	128000	153000	171000	191000	215000	235000	256000	278000	299000	324000
	Input	kW	5.35	5.98	7.40	9.25	10.96	12.48	14.10	15.72	17.34	18.95	20.57	22.19
	Current	A	8.16	9.12	11.29	14.11	16.72	19.04	21.51	23.98	26.45	28.92	31.39	33.85
	COP	W/W	5.04	5.17	5.07	4.87	4.56	4.49	4.47	4.39	4.32	4.3	4.25	4.28
	COP	Btu/(W-h)	17.200	17.550	17.300	16.550	15.600	15.350	15.250	14.950	14.750	14.650	14.550	14.600
Max. Input Consumption		kW	11.30	12.43	13.73	16.25	18.40	21.39	23.70	26.07	29.68	31.49	33.27	33.47
Max. Current		A	20	22	24.3	28.8	32.6	37.9	42	46.2	52.6	55.8	58.95	59.31
Outdoor Fan Motor (Output Power x Fan quantity)		W	560x1		920x1		560x2		920x2					
Air Flow Volume		m ³ /h	11000	11000	14000	15500	19000	19000	26000	27000	27000	29000	29000	29000
Noise Level		dB(A)	58	59	60	61	62	63	63	64	64	65	65	66
Dimension (W×D×H)	Net	mm	925×1780×845			1340×1780×845				1760×1780×845				1900×1780×845
	Packing	mm	1000×1940×925			1415×1940×925				1835×1940×925				1975×1940×925
Weight	Net	kg	230	230	270	270	315	315	380	380	420	420	480	480
	Gross	kg	240	240	290	290	335	335	405	405	445	445	505	505
Refrigerant type/ Quantity	Type	/	R410A											
	Charged Volume	kg	11	11	12	12	14	14	18	18	23	23	28	28
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
Refrigerant Piping	Liquid Side	mm	φ12.7	φ12.7	φ12.7	φ12.7	φ15.88	φ15.88	19.05	19.05	19.05	19.05	19.05	19.05
	Gas Side	mm	φ25.4	φ25.4	φ28.6	φ28.6	φ28.6	φ28.6	φ31.8	φ31.8	φ31.8	φ31.8	φ31.8	34.9
	Max. Length	m	1100											
	Max. Height	m	110(100)											
Ambient Temp (Cooling/Heating)		°C	-15-56/-25-28											

Notes: 1. Specifications are based on the following conditions:
2. Cooling: Indoor temperature 27°C DB/19°C WB, and outdoor temperature 35°C DB/24°C WB.
3. Heating: Indoor temperature 20°C DB/15°C WB, and outdoor temperature 7°C DB/6°C WB.
4. Equivalent piping len TMV6+h:5m; Level difference:0m; Voltage:230V.

5. Sound Level: Indoor unit sound pressure level, measured at a point 1.5m downward from the unit center.
6. Outdoor unit sound pressure level, measured at a point 1.0m in front of the unit.
7. Optional simple wired controller; Universal remote controller; auto-restart(optional); Timer: only one circle.
8. Due to ongoing product development, specifications are subject to change without notice.