

Efficiency Data		Unit	TAD-ATWS062IT	TAD-ATWS062IT	TAD-ATWS102IT	TAD-ATWS102IT
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	4,0	6,0	8,0	10,0
	Power Input	kW	0,80	1,20	1,60	2,17
	COP	W/W	5,02	4,98	5,00	4,60
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	4	6	8	10
	Power Input	kW	1.49	2.18	2.82	3.66
	COP	W/W	2.69	2.75	2.84	2.73
Heating Average Climate water outlet 35°C	SCOP (A+++ to D)	-	5,00	4,80	4,90	4,85
	ηs	%	197	189	193	191
	Energy Class	-	A+++	A+++	A+++	A+++
Heating Average Climate water outlet 55°C	SCOP (A+++ to D)	-	3,45	3,38	3,32	3,30
	ηs	%	135	132	130	129
	Energy Class	-	A++	A++	A++	A++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	4	6	8	10
	Power Input	kW	0,85	1,26	1,90	2,50
	EER	W/W	4,70	4,75	4,20	4,00
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	4	6	8	9
	Power Input	kW	1,29	1,97	2,63	3,00
	EER	W/W	3,10	3,05	3,04	3,00
Outdoor unit		Unit	TAD-ATWS-ODU042IT	TAD-ATWS-ODU062IT	TAD-ATWS-ODU082IT	TAD-ATWS-ODU102IT
Outdoor operating temperature	Cooling	°C	10~48	10~48	10~48	10~48
	Heating	°C	-25~35	-25~35	-25~35	-25~35
Compressor	Quantity	-	1	1	1	1
	Type	-	DC inverter twin rotary	DC inverter twin rotary	DC inverter twin rotary	DC inverter twin rotary
Refrigerant	Type	-	R32	R32	R32	R32
	Charge/CO ₂ Eq.	kg/T	1.2 / 0.81	1.2 / 0.81	1.6 / 1.08	1.6 / 1.08
Piping diameter	Liquid	mm(inch)	6.35 (1/4)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)
	Gas	mm(inch)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)
Max refrigerant line length		m	30	30	50	50
Max height difference ODU&IDU		m	20	20	30	30
Length without additional charge		m	10	10	10	10
Additional refrigerant charge		g/m	20	20	38	38
Sound pressure		dB(A)	44	45	49	53
Sound power		dB(A)	58	61	65	68
Net dimensions	H×W×D	mm	765×920×372	765×920×372	965×950×370	965×950×370
Packaging dimensions	H×W×D	mm	980×1050×500	980×1050×500	1090×1030×480	1090×1030×480
Net / Gross weight		kg	55 / 67	55 / 67	76 / 86	76 / 86
Power supply		f/V/Hz	1/220-240/50	1/220-240/50	1/220-240/50	1/220-240/50
Max. current		A	12,5	13	19	22
Recommended breaker		A	16	16	25	32
Indoor unit		Unit	TAD-ATWS-IDU062IT	TAD-ATWS-IDU062IT	TAD-ATWS-IDU102IT	TAD-ATWS-IDU102IT
Water outlet temperatures	Heating	°C	15~60	15~60	15~60	15~60
	Cooling	°C	5~25	5~25	5~25	5~25
Sound power		dB(A)	42	42	42	42
Backup electric heater	Capacity	kW	1+3	1+3	1+3	1+3
	Steps	-	3	3	3	3
Expansion vessel capacity		L	5	5	5	5
Pump	Type	-	Variable speed	Variable speed	Variable speed	Variable speed
	Power input	W	75	75	75	75
Water flow rate		L/min	17	23	28,7	28,7
Water side connections	Inlet/Outlet	inch	R 1"	R 1"	R 1"	R 1"
Piping diameter	Liquid	mm(inch)	6.35 (1/4)	9.52 (3/8)	9.52 (3/8)	15.88 (5/8)
	Gas	mm	15.88 (5/8)	15.88 (5/8)	15.88 (5/8)	850×480×310
Net dimensions	H×W×D	mm	850×480×310	850×480×310	850×480×310	1020×580×460
Packaging dimensions	H×W×D	kg	1020×580×460	1020×580×460	1020×580×460	43 / 55
Net / Gross weight		f/V/Hz	41 / 53	43 / 55	43 / 55	1/220-240/50
Power supply		A	1/220-240/50	1/220-240/50	1/220-240/50	20
Max. current		A	20	20	20	63
Integrated breaker		/	63	63	63	63

Data in accordance with EN14511, EN14825 (EU) and No 811/2013 (EU).

LWT: leaving water temperature; OAT: outdoor air temperature.

Noise levels measured in a semi-anechoic chamber. Sound power measured according to EN2102-1 under the conditions set by EN14825.

The stated data may change without notice due to future quality and performance improvements.