

HYDRO SPLIT ATWA



Efficiency Data		Unit	TAD-ATWA042IT
Heating (LWT 35°C / OAT 7°C)	Capacity	kW	4,00
	Power Input	kW	0,73
	COP	W/W	5,50
Heating (LWT 55°C / OAT 7°C)	Capacity	kW	4,00
	Power Input	kW	1,19
	COP	W/W	3,35
Heating Average Climate water outlet 35°C	SCOP	-	5,10
	ηs	%	201
	Energy Class	-	A+++
Heating Average Climate water outlet 55°C	SCOP	-	3,85
	ηs	%	151
	Energy Class	-	A+++
Cooling (LWT 18°C / OAT 35°C)	Capacity	kW	4,00
	Power Input	kW	0,79
	EER	W/W	5,05
Cooling (LWT 7°C / OAT 35°C)	Capacity	kW	3,50
	Power Input	kW	0,95
	EER	W/W	3,70
Outdoor unit		Unit	TAD-ATWAODU042IT
Outdoor operating Temperature	Heating	°C	-25 ~35
	Cooling	°C	10 ~ 48
	DHW	°C	-25 ~43
Water side connections	Inlet/Outlet	inch	R 1"/R 1"
Compressor	Quantity	-	1
	Type	-	DC inverter twin rotary
Refrigerant	Type	-	R290
	Charge/CO ₂ Eq.	kg/T	0.8/2.4
Sound pressure *(2)		dB(A)	44
Sound power *(2)		dB	55
Net dimensions	HxLxP	mm	790*1250*380
Packing Dimensions	HxLxP	mm	1022*1395*550
Net/gross weight		kg	86/109
Power supply		V/Ph/Hz	220-240/1/50
Max. operating current		A	13,5
Recommended fuse		A	16,0
Indoor unit		Unit	TAD-ATWAIDU102IT
Water outlet temperatures	Heating	°C	20~80
	Cooling	°C	5~25
Storage temperature	DHW	°C	25~75
Water side connections	Inlet/Outlet (except for DHW)	inch	R 1/R 1
	Inlet/Outlet (DHW)	inch	R 3/4
Expansion vessel		L	8
Primary circuit	Safety valve pressure	bar	3
Power supply		V/Ph/Hz	220-240/1/50
Max. operating current		A	14,1
Recommended fuse		A	20,0
DHW tank	Type	-	2205 duplex stainless steel
	Volume	L	200
	Max water pressure	bar	7
	Tank heater	kW	3
Load profile		-	L
Efficiency ηDHW		%	135
COP		-	3,11
DHW Energy Class		-	A+
Backup Electric Heater	Power supply	V/Ph/Hz	220-240/1/50
	Capacity	kW	1+2
	Steps	-	2
	Max operating current	A	14,0
	Recommended fuse	A	20,0
Sound power		dB	40
Net dimensions	HxLxP	mm	1780*590*590
Packing Dimensions	HxLxP	mm	2060*695*695
Net/gross weight		kg	115 / 131

TAD-ATWA062IT	TAD-ATWA082IT	TAD-ATWA102IT	TAD-ATWAT12IT	TAD-ATWAT14IT	TAD-ATWAT16IT
6,00	8,00	10,00	12,00	14,00	16,00
1,12	1,50	1,96	2,35	2,83	3,23
5,35	5,35	5,10	5,10	4,95	4,95
6,00	8,00	10,00	11,50	13,50	15,50
1,82	2,35	3,13	3,48	4,22	5,08
3,30	3,40	3,20	3,30	3,20	3,05
5,10	5,20	5,10	4,82	4,80	4,80
201	205	201	190	189	189
A+++	A+++	A+++	A+++	A+++	A+++
3,83	3,85	3,83	3,85	3,83	3,85
150	151	150	151	150	151
A+++	A+++	A+++	A+++	A+++	A+++
6,00	7,50	9,50	11,50	13,50	15,50
1,20	1,58	2,21	2,56	3,14	3,88
5,00	4,75	4,30	4,50	4,30	4,00
5,00	6,80	8,50	10,00	12,00	14,00
1,37	1,97	2,62	2,99	3,75	4,52
3,65	3,45	3,25	3,35	3,20	3,10
TAD-ATWAODU062IT	TAD-ATWAODU082IT	TAD-ATWAODU102IT	TAD-ATWAODUT12IT	TAD-ATWAODUT14IT	TAD-ATWAODUT16IT
-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35	-25 ~35
10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48	10 ~ 48
-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43	-25 ~43
R 1"/R 1"	R 1"/R 1"	R 1"/R 1"	R 1"/R 1"	R 1"/R 1"	R 1"/R 1"
1	1	1	1	1	1
DC inverter twin rotary					
R290	R290	R290	R290	R290	R290
0.8/2.4	0.8/2.4	0.9/2.7	0.9/2.7	1.05/3.15	1.05/3.15
44	47	48	49	52	53
55	58	59	60	63	64
790*1250*380	790*1250*380	790*1250*380	790*1250*380	880*1380*460	880*1380*460
1022*1395*550	1022*1395*550	1022*1395*550	1022*1395*550	1112*1396*630	1112*1396*630
86/109	86/109	98/121	98/121	129/155	129/155
220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
13,5	13,5	18,6	18,6	10,2	10,2
16,0	16,0	20,0	20,0	16,0	16,0
TAD-ATWAI DU102IT	TAD-ATWAI DU102IT	TAD-ATWAI DU102IT	TAD-ATWAI DU162	TAD-ATWAI DU162IT	TAD-ATWAI DU162IT
20~80	20~80	20~80	20~80	20~80	20~80
5~25	5~25	5~25	5~25	5~25	5~25
25~75	25~75	25~75	25~75	25~75	25~75
R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1	R 1/R 1
R 3/4	R 3/4	R 3/4	R 3/4	R 3/4	R 3/4
8	8	8	8	8	8
3	3	3	3	3	3
220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
14,1	14,1	14,1	15,0	15,0	15,0
20,0	20,0	20,0	20,0	20,0	20,0
2205 duplex stainless steel					
200	200	200	200	200	200
7	7	7	7	7	7
3	3	3	3	3	3
L	L	L	L	L	L
135	135	138	140	140	140
3,11	3,13	3,13	3,10	3,10	3,10
A+	A+	A+	A+	A+	A+
220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
1+2	1+2	1+2	2+4	2+4	2+4
2	2	2	2	2	2
14,0	14,0	14,0	9,5	9,5	9,5
20,0	20,0	20,0	16,0	16,0	16,0
40	40	40	42	42	42
1780*590*590	1780*590*590	1780*590*590	1780*590*590	1780*590*590	1780*590*590
2060*695*695	2060*695*695	2060*695*695	2060*695*695	2060*695*695	2060*695*695
115 / 131	115 / 131	115 / 131	117 / 133	117 / 133	117 / 133

*(1) The maximum operating current does not include the backup electric heater, which is activated individually.

*(2) Test conditions refer to EN14511-2018 and the test method refers to EN12102-2017 (A7/W35).