



Domestic hot water production

Airwell

TDF ELEO

Thermodynamic water heater

A⁺

HYBRID
HOUSE by Airwell



+ PRODUCT

- Excellent COP
- Small footprint
- Anti-legionella function
- No refrigerant handling
- Limescale protection

FEATURES

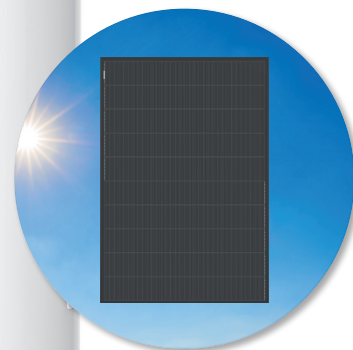


DOMESTIC HOT WATER



TDF

TDF SOLAR



+ «SUSTAINABLE DEVELOPMENT»

- > High energy class A+.
- > High-performance product with COP > 4.
- > Product 3 to 4 times more economical than an electric tank.

+ «USER»

- > Perfect to replace an electric tank.
- > "Peak/Off peak" operation.

+ «INSTALLER»

- > Easy to install thanks to its compact footprint.
- > Narrow diameter, fits through any doors.
- > Built-in limescale protection (electronic anode).

+ «TECHNOLOGY»

- > No risk of contamination following a refrigerant leak, thanks to the external exchanger.

ACCESSORIES/OPTIONS

ACCESSORY

PART NUMBER

Adapter kit, 90° bend and 1m duct (TDF 190)	7ACELI735
Adapter kit, 90° bend and 1m duct (TDF 300)	7ACELI737
Extention kit 1m duct (TDF 190)	7ACELI736
Extention kit 1m duct (TDF 300)	7ACELI738

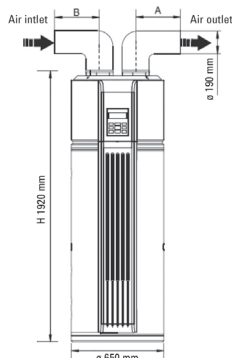
TECHNICAL DATA

TDFE160

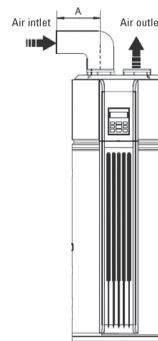
INDOOR UNITS		AW-TDF190-H31	AW-TDF300-H31	AW-TDF190S-H31	AW-TDF300S-H31
Part number		7HP030016	7HP030017	7HP030018	7HP030019
Phase		Single-phase	Single-phase	Single-phase	Single-phase
AIR +7°C WATER 10/55°C					
Heating capacity	kW	1.362	1.814	1.362	1.814
Totale power input	kW	0.423	0.519	0.423	0.519
COP		3.22	3.49	3.22	3.49
AIR +15°C WATER 10/55°C					
Heating capacity	kW	1.609	2.185	1.609	2.185
Totale power input	kW	0.439	0.541	0.439	0.541
COP		3.66	4.04	3.66	4.04
PERFORMANCE (AVERAGE CLIMATE)					
DHW profil		L	XL	L	XL
Energy label		A+	A+	A+	A+
Seasonal efficiency	%	115	123	115	123
COP		2.76	3.01	2.76	3.01
Annual consumption	kWh	890	1361	890	1361
Heating time	h:mm	7:01	7:49	7:01	7:49
Standby power consumption	W	26.3	30.6	26.3	30.6
Reference hot water temperature	°C	53.8	53.1	53.8	53.1
DHW volume	l	176	284	168	272
Mixed water at 40 °C	l	234	354	234	354
PERFORMANCE (WARMER CLIMATE)					
Seasonal efficiency	%	130	148	130	148
COP		3.13	3.59	3.13	3.59
Annual consumption	kWh	785	1131	785	1131
PERFORMANCE (COOLER CLIMATE)					
Seasonal efficiency	%	99	95	99	95
COP		2.36	2.32	2.36	2.32
Annual consumption	kWh	1032	1759	1032	1759
SOUND LEVEL					
Sound pressure level (1m)	dB(A)	36.60	38.20	36.60	38.20
Sound level	dB(A)	51	53	51	53
OPERATING LIMITS					
Outdoor temperature (min./max.)	°C	-7° / 43°	-7° / 43°	-7° / 43°	-7° / 43°
Max. water temperature (with heat pump)	°C	70	65	70	65
REFRIGERANT INFORMATION					
Refrigerant/GWP		R134A/1430	R134A/1430	R134A/1430	R134A/1430
Charge	kg	1.10	1.50	1.10	1.50
POWER SUPPLY					
Phase/Voltage/Frequency		1P/220-240/50Hz	1P/220-240/50Hz	1P/220-240/50Hz	1P/220-240/50Hz
Electric backup heater	kW	3	3	3	3
Power cable	mm ²	3x4	3x4	3x4	3x4
Max. current	A	30	30	30	30
DIMENSIONS					
Size (HxØ)	mm	1830x560	1930x650	1830x560	1930x650
Package dimensions (WxHxD)	mm	680x2070x680	775x2200x745	680x2070x680	775x2200x745
Net weight/Gross weight	kg	92/114	114/138	109/131	134/158
SOLAR EXCHANGER SURFACE AREA					
Dimension	m ²	-	-	1.1	1.3
FAN					
Type		centrifugal	centrifugal	centrifugal	centrifugal
Airflow	m ³ /h	270	414	270	414
Static pressure	Pa	25	45	25	45



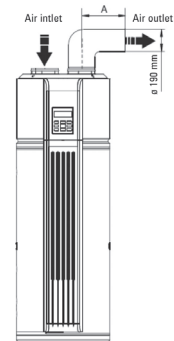
1 Inlet and outlet ducted



2 Inlet ducted



3 Outlet ducted



TROOM TYPE FOR INSTALLATION	<ul style="list-style-type: none"> • Heated low volume room (< 20 m³) 	<ul style="list-style-type: none"> • Low volume room (< 20 m³) and which can be cooled 	<ul style="list-style-type: none"> • Heated high volume room (> 20 m³) (kitchen, bathroom...)
AIR INLET AND AIR OUTLET	<ul style="list-style-type: none"> • Air inlet: outdoor air • Air outlet: to adjacent room or outdoors 	<ul style="list-style-type: none"> • Air inlet: outdoor air • Air outlet: in the room (ambient air) 	<ul style="list-style-type: none"> • Air inlet: ambient air • Air outlet: to adjacent room or outdoors

GRUPE AIRWELL

10, RUE DU FORT DE SAINT CYR - 78180 MONTIGNY LE BRETONNEUX, FRANCE

TEL.: +33 (0)1 76 21 82 00 - www.airwell.com