

UTW150D



Ductable units series

Double panel, high prevalence



UTW150D series is designed and built for those applications in which a minimum amount of space is the most important factor when realizing an air-conditioning system.

The series offers 6 models and a wide range of accessories that permits many air treatments for a lot of home, commercial and industrial applications.

The easy installation, large flexibility and high quality of the product complete the features of the series.

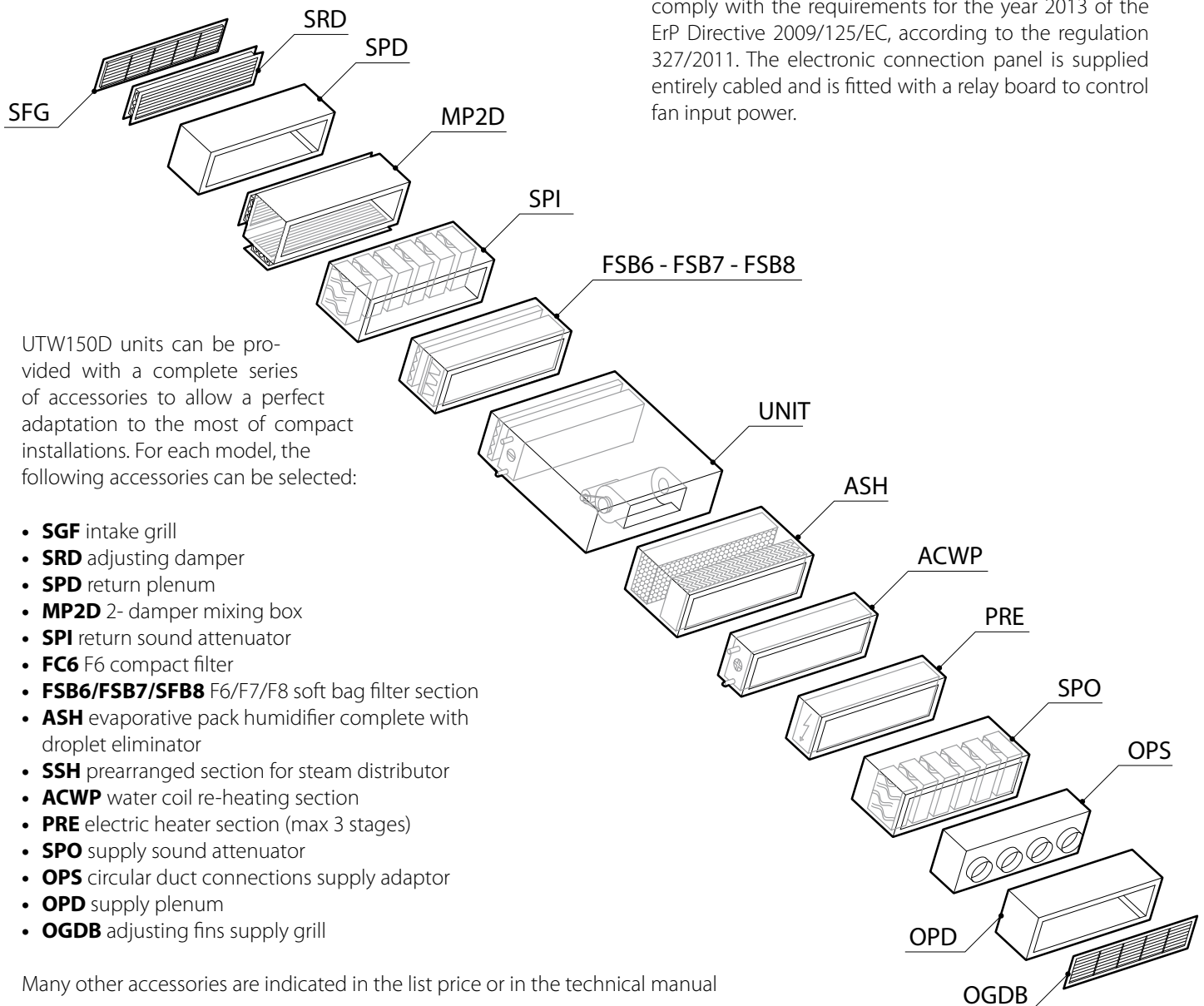
The base unit is supplied with G4 filter.

UTW150D Ductable units series



The frame is made from steel profiles and the panels are sandwich type, with thermal and acoustic insulation in mineral wool (10 mm thickness for 10 to 40 model, 20 mm thickness for 50 and 60 models). The panels are pre-painted galvanized steel outside, galvanized steel inside, supplied with gripping seals fixed to the frame by steel screws.

The base filtering section is composed of a plain filter, 48 mm thickness, with regenerable filtering media 100% polyester fiber, G4 efficiency according to UNI EN 779:2012 (Eurovent EU4, average degree of separation (Am) $\geq 90\%$), self-extinguishing (class M1 - DIN 53438). The water heat exchanger coils are Cu tubes and Al fins type. The aluminum condensate drain tray is easily removable from the bottom without disassembling the unit. Fans are centrifugal double inlet forward curved blades directly coupled to a multispeed electric motor. Fans comply with the requirements for the year 2013 of the ErP Directive 2009/125/EC, according to the regulation 327/2011. The electronic connection panel is supplied entirely cabled and is fitted with a relay board to control fan input power.



UTW150D units can be provided with a complete series of accessories to allow a perfect adaptation to the most of compact installations. For each model, the following accessories can be selected:

- **SFG** intake grill
- **SRD** adjusting damper
- **SPD** return plenum
- **MP2D** 2- damper mixing box
- **SPI** return sound attenuator
- **FC6** F6 compact filter
- **FSB6/FSB7/SFB8** F6/F7/F8 soft bag filter section
- **ASH** evaporative pack humidifier complete with droplet eliminator
- **SSH** prearranged section for steam distributor
- **ACWP** water coil re-heating section
- **PRE** electric heater section (max 3 stages)
- **SPO** supply sound attenuator
- **OPS** circular duct connections supply adaptor
- **OPD** supply plenum
- **OGDB** adjusting fins supply grill

Many other accessories are indicated in the list price or in the technical manual

TECHNICAL DATA		speed	10	20	36	42	51	65
Air flow rate	1 max	m³/h	1000	2000	3600	4200	5100	6500
	2 med	m³/h	890	1660	3150	3400	3100	4100
	3 min	m³/h	750	1020	2200	2060	1800	2700
External static pressure (3)	1 max	Pa	187	160	135	111	160	189
	2 med	Pa	148	110	105	72	110	145
	3 min	Pa	105	40	50	30	125	120
Sound pressure level a 1 m	1 max	dB(A)	51	55	57	58	57	59
	2 med	dB(A)	49	52	54	55	50	52
	3 min	dB(A)	47	49	47	51	42	47
Maximum current		A	1.54x1	2.90x1	2.80x2	2.90x2	3.80x2	3.80x3
Fan speeds		n°	3	3	3	3	3	3
Poles		n°	4	4	4	4	4	4
Minimum protection degree		-	IP44	IP55	IP55	IP55	IP20	IP20
Minimum temperature class		-	F	F	F	F	F	F
Electrical power supply		V-Ph-Hz	230-1-50					

2 rows coil

Heating capacity (1)	1 max	kW	8.77	16.3	27	31.8	33.3	43.2
Water flow rate (1)	1 max	m³/h	0.75	1.4	2.32	2.73	2.86	3.72
Water pressure drop (1)	1 max	kPa	30	10	36	11	70	4

4 rows coil

Heating capacity (1)	1 max	kW	13	25.4	42.5	50.4	59.4	73.5
Water flow rate (1)	1 max	m³/h	1.12	2.18	3.66	4.33	5.11	6.32
Water pressure drop (1)	1 max	kPa	17	30	39	34	35	17
Total cooling capacity (2)	1 max	kW	5.72	11.3	18.5	21.9	27.1	30.7
Sensible cooling capacity (2)	1 max	kW	4.45	8.80	14.8	17.4	20.9	24.9
Water flow rate (2)	1 max	m³/h	0.98	1.94	3.18	3.77	4.66	5.28
Water pressure drop (2)	1 max	kPa	14	24	30	26	30	12

6 rows coil

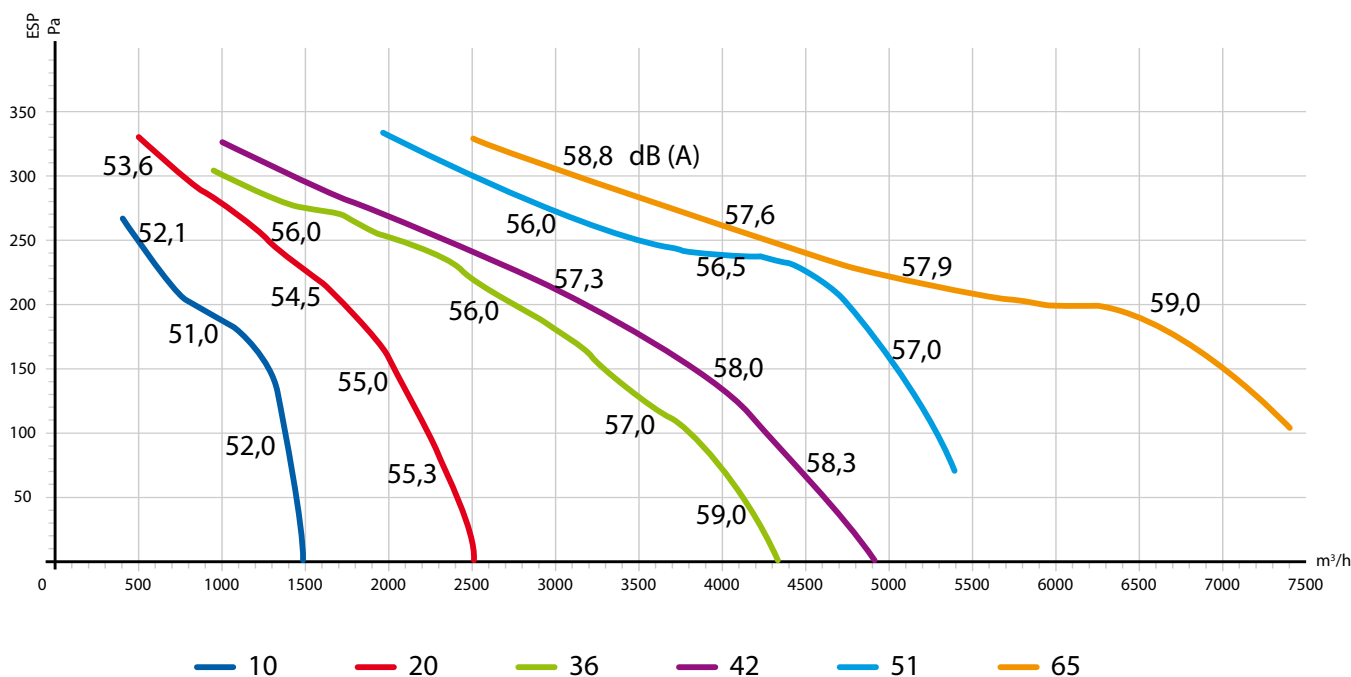
Total cooling capacity (2)	1 max	kW	7.19	13.5	23.7	26	31.1	40.2
Sensible cooling capacity (2)	1 max	kW	5.25	10.1	17.7	20	24.3	31
Water flow rate (2)	1 max	m³/h	1.24	2.32	4.08	4.47	5.35	6.91
Water pressure drop (2)	1 max	kPa	13	9	36	7	4	7

(1) Inlet air 20°C 50% RH, water inlet 70°C outlet 60°C

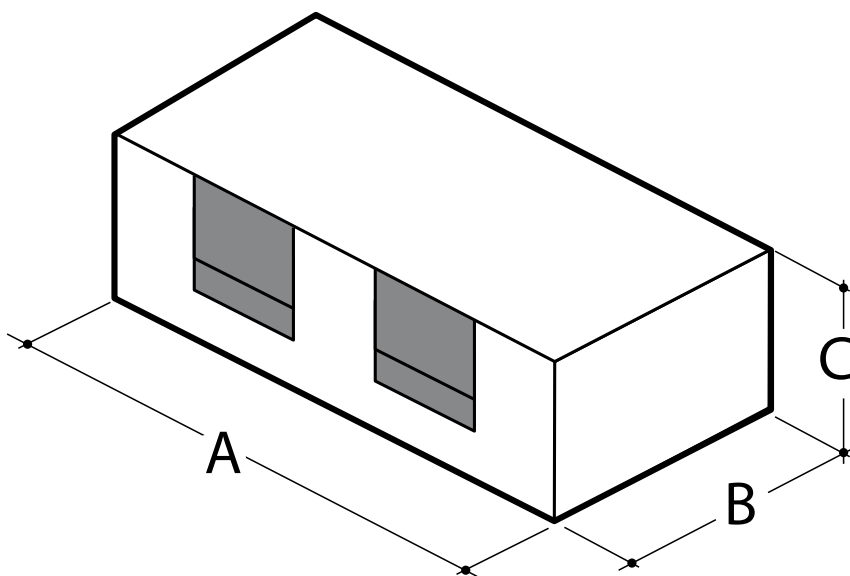
(2) Inlet air 27°C 47% RH, water inlet 7°C outlet 12°C

(3) With 4 rows coil and G4 filters

Maximum fan speed air performances



The curves are the air performances, size by size (4 row coil basic version) at the maximum fan speed; 1m sound pressure levels are also shown.



	SIZE	10	20	36	42	51	65
Dimensions	A mm	710	1070	1400	1680	1780	2000
	B mm	850	850	850	850	960	960
	C mm	390	390	390	390	480	480
Weight	Kg	52-60	60-70	78-90	96-110	101-120	120-140



Aerfor S.r.l.
Via Contarina n. 11
35028 - Piove di Sacco - Padova - Italy

Tel +39 389 2939160
fax +39 049 5806928
e-mail : info@aerfor.com
Pec: aerfor@registerpec.it
PIVA 02703580304
R.E.A. : RO-159632

www.aerfor.com