

UTF

Air handling unit with capacities from 3.95 to 17.25 kW



Features

- Available in 3 versions:
 - UTF B:** Basic model with 2R coil for indoor air
 - UTF P:** Extra power model with 3R coil for external air
 - UTF E:** Direct expansion coil
- Versatile installation
- M2 fire resistance class (M1 on request)
- Internal structure in sandwich panels with injected polyurethane core
- Double suction radial fans
- Five speed motor (three speeds selectable on control panel)
- Static pressure available for ducted installations
- Remote control panel
- Broad range of accessories to meet all requirements (post-heating coil and electric heaters)
- Compact size

Accessories

- **BP:** Single row coil with swirl fin tubes mounted in a shell for installation on the delivery side.
- **BR:** Electric heater with armoured element and double safety thermostat mounted in a shell for installation on the delivery side.
- **CMA:** Galvanized steel subframe for GA and GM.
- **FAF:** Air filter that can be regenerated with EU 3 efficiency in class M1 incorporated in housing to be installed on the intake.
- **GA:** Intake grille with fixed slats.
- **GM:** Delivery grille with adjustable slats.
- **PCT:** Control panel with three speed selector and room thermostat.
- **PM:** Delivery plenum for connection of circular section ducting.
- **PX:** Control panel with 3 position speed selector.
- **SM:** Mixing chamber with opposing slats, ready equipped with EU 3 class air filter.
- **SR:** Antifreeze gate with manually controlled opposite slats and possible motorization.
- **TC:** Probe for operation of the unit only with water temperatures in excess of the effective setting.

Compatibility of accessories					
UTF	9	15	21	28	37
BP 1	✓				
BP 2		✓			
BP 3			✓		
BP 4				✓	
BP 5					✓
BR 1	✓				
BR 2		✓			
BR 3			✓		
BR 4				✓	
BR 5					✓
CMA 5	✓				
CMA 6		✓			
CMA 7			✓		
CMA 8				✓	✓

Compatibility of accessories					
UTF	9	15	21	28	37
FAF 1	✓				
FAF 2		✓			
FAF 3			✓		
FAF 4				✓	✓
GA 5	✓				
GA 6		✓			
GA 7			✓		
GA 8				✓	✓
GM 5	✓				
GM 6		✓			
GM 7			✓		
GM 8				✓	✓
PCT 2	✓	✓	✓	✓	✓
PM 1	✓				

Compatibility of accessories					
UTF	9	15	21	28	37
PM 2		✓			
PM 3			✓		
PM 4				✓	✓
PX	✓	✓	✓	✓	✓
SM 1	✓				
SM 2		✓			
SM 3			✓		
SM 4				✓	
SM 5					✓
SR 1	✓				
SR 2		✓			
SR 3			✓		
SR 4				✓	✓
TC 152	✓	✓	✓	✓	✓

Technical data

Mod.		9 B	9 E	9 P	15 B	15 E	15 P	21 B	21 E	21 P	28 B	28 E	28 P	37 B	37 E	37 P
Cooling capacity	W	3950	5040	4850	5800	7360	7200	8750	10720	10750	11600	13900	14300	14100	16580	17250
Moisture removed	l/h	0.65	-	1.31	0.81	-	1.49	1.56	-	2.61	2.32	-	3.31	2.8	-	4
Water flow rate	l/h	680	-	830	1000	-	1240	1510	-	1850	2000	-	2460	2420	-	2970
Water pressure drop	kPa	11.3	-	5.9	11.9	-	5.7	18.1	-	7.8	23	-	9.6	21.5	-	8.5
Heating capacity	W	9200	-	10850	14300	-	17500	20900	-	25400	27600	-	33600	35200	-	43300
Water flow rate	l/h	790	-	935	1230	-	1505	1800	-	2185	2.375	-	2890	3025	-	3720
Water pressure drop	kPa	11.6	-	5.7	13.7	-	6.3	19.4	-	8.2	24.6	-	9.8	25	-	10
Fans	n.	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3
Nominal air flow rate	m ³ /h	800	800	800	1400	1400	1400	2000	2000	2000	2700	2700	2700	3500	3500	3500
Max. effective static pressure (nominal flow rate)	Pa	94	94	87	118	118	106	102	102	91	156	156	143	149	149	130
Fan speed	rpm	1440	1440	1440	1250	1250	1250	1285	1285	1285	1295	1295	1295	1405	1405	1405
Max. motor power	W	120	120	120	120	120	120	200	200	200	400	400	400	700	700	700
Max. input current	A	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6	2.7	2.7	2.7	4.3	4.3	4.3
Peak current	A	3.3	3.3	3.3	3.3	3.3	3.3	5.6	5.6	5.6	9.5	9.5	9.5	15	15	15
Coil frontal surface area	m ²	0.19	0.19	0.19	0.23	0.23	0.23	0.34	0.34	0.34	0.42	0.42	0.42	0.42	0.42	0.42
Coil rows	n.	2	2	3	2	2	3	2	2	3	2	2	3	2	2	3
Coil tubes	n.	20	20	30	22	22	33	22	22	33	28	28	42	28	28	42
Fin pitch	mm	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.8	1.8	1.8
Water contents	dm ³	1.2	-	1.7	1.5	-	2.1	2.1	-	3	2.6	-	3.7	2.6	-	3.7
Water connections	ø	1"	-	1"	1"	-	1"	1"	-	1"	1"	-	1"	1"	-	1"
Condensate discharge	ø	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"

Power supply = 1~ 230V 50Hz.

Performance values refer to the following conditions:

■ Cooling (UTF B/P):

- room air temperature 27 °C D.B., 19 °C W.B.;
- water inlet temperature 7 °C; Δt = 5 °C.

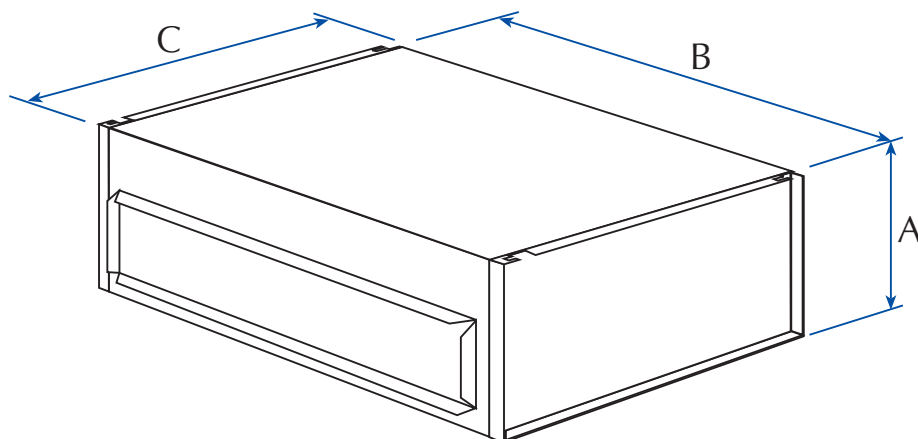
■ Cooling (UTF E):

- evaporation temperature 5 °C;
- room air temperature 19 °C W.B.

■ Heating:

- room air temperature 20 °C;
- water inlet temperature 70 °C;
- Δt = 10 °C.

Dimensions (mm)



		UTF 9	UTF 15	UTF 21	UTF 28	UTF 37
Height	A	300	320	320	380	380
Width	B	920	1000	1400	1400	1400
Depth	C	630	670	670	790	790
Weight (kg)	UTF B	41	52	69	86	89
	UTF P	42	53	71	88	91