

UTCME

COMMERCIAL LEAFLET

LARGE CAPACITY FAN COIL UNITS



MEKAR[®]
AIR HANDLING UNITS

SINGLE SKIN UNIT CONSTRUCTION DETAILS

CASING

Versatile unit with encapsulated construction made of heavy gauge galvanized steel. The casing thickness is 1.5 mm for models UTC 60 & 70 and 1.0 mm for all other models. Complete casing insulated with 10 mm polyolefin insulation. Ceiling anchoring slots for easy fixing and leveling of the unit. Optional finish can be pre-painted. Custom build material finishes possible based on application.

FILTER

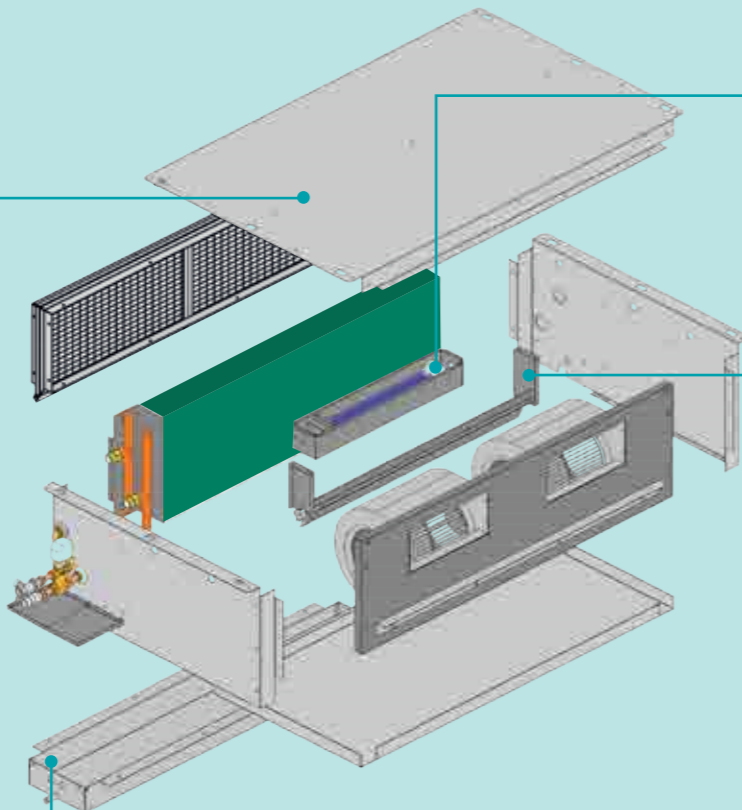
G3 Synthetic filter with 48 mm thick for models UTC 60 & 70 and others shall be with 22 mm thick. Optional aluminum filters are available to suit various needs.

COOLING COILS

Coils are made of copper pipe expanded into aluminum fins. Easily accessible air vents and Copper headers with male fittings (GAS threads). Widely designed with 3/4/6 row to suit various load profile. Optional corrosion coating for coils can be provided based on the application.

FACTORY MOUNDED VALVES KIT

A wide range of valves are available for complete requirement, 3-way or 2-way valve sets, on/off valves and modulating valves.



DRAIN PAN

Insulated condensate tray made of galvanized steel with anti corrosive coating and drain sweat connection. Stainless steel drain pan available as option.

DOUBLE SKIN UNIT CONSTRUCTION DETAILS

UV LAMP

The germicidal effects of the UV-lamp radiation destroy DNA of bacteria, viruses, spores, fungi, moulds and avoiding their growth. It is a physical disinfection method with a great costs / benefits ratio, it's ecological, unlike chemicals which works against every microorganism without creating any pressure drop.

ELECTRIC HEATER

Internal mounted electrical heaters are available from minimum to maximum range for each model. Electrical heating coils are supplied as optional feature and comply with the international safety standards. Heaters shall be suitable for 220V-240V/1Ph/50 - 60Hz and supplied with safety thermostat.

CASING

Versatile unit with encapsulated construction made of heavy gauge galvanized steel. The casing thickness shall be 1.5 mm for models UTC 60 & 70 and 1.0 mm for all other models. The inner skin for double casing shall be 0.6 mm galvanized steel. Ceiling anchoring slots for easy fixing and leveling of the unit. Optional finish can be pre-painted for outer casing and perforated sheet for inner skin for double skin. Custom built material finishes possible based on application.

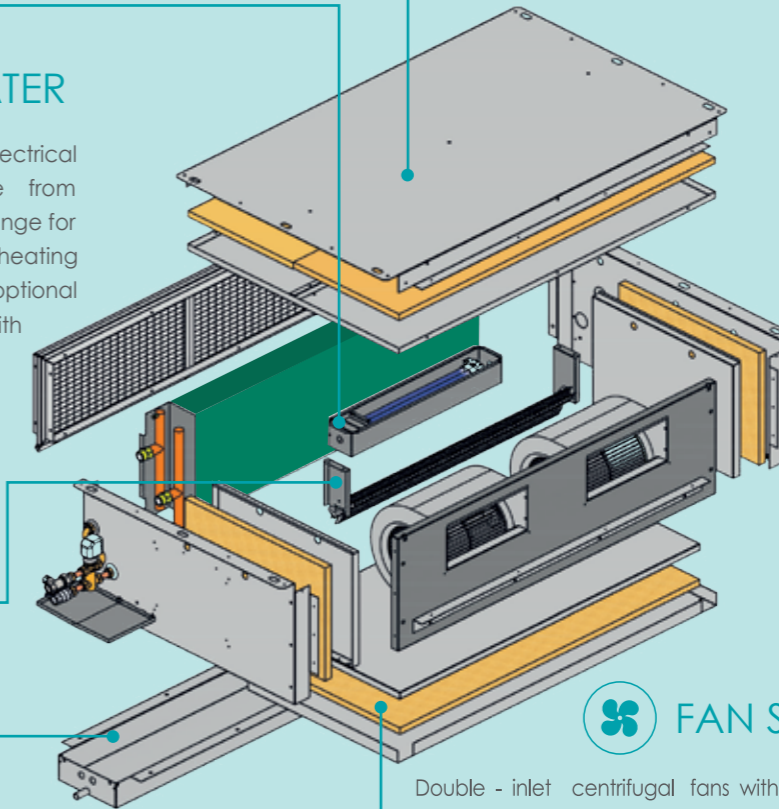
FAN SECTION

Double - inlet centrifugal fans with statically and dynamically balanced impellers. Single-phase synchronous electric motor suitable for 50Hz / 60Hz with Internal thermal protection. The motor with three speeds is directly coupled to the fans and cushioned with flexible mountings to ensure low noise & vibration.

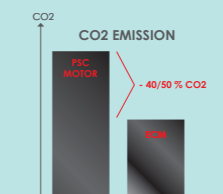
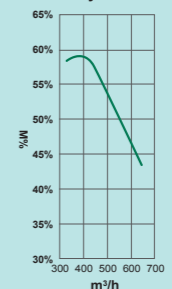
Optional EC motors for energy savings and IP44 motors for protection class.

INSULATION

The double skin unit has insulation between inner skin and outer skin with fiber glass (15 or 25 mm thick) or 25mm thk PUF to ensure better noise attenuation and high quality unit installation.



Energy Savings by ECM



TECHNICAL DETAILS

UTC-ME			10	20	30	40	50	60	70	
2 PIPE SYSTEM (3R COIL)										
Total cooling capacity	(E)	W	High	2840	5100	7140	8500	11280	24480	44000
	(E)	W	Med	2790	4830	6970	8260	10130	22490	41270
	(E)	W	Low	2650	4200	6700	7790	8380	20500	37020
Sensible cooling capacity	(E)	W	High	2130	3810	5420	6410	8680	17910	32720
	(E)	W	Med	2090	3590	5280	6210	7700	16330	30490
	(E)	W	Low	1980	3080	5020	5820	6270	14780	27080
Water flow		l/h	High	488	877	1228	1462	1940	4200	7550
		l/h	Med	480	831	1199	1420	1742	3858	7081
		l/h	Low	456	722	1152	1340	1441	3517	6352
Water pressure drop	(E)	kPa	High	13,5	24,5	28,3	27,7	23,9	34,4	36,4
	(E)	kPa	Med	13,1	22,2	27,2	26,3	19,7	29,60	32,50
	(E)	kPa	Low	12	17,4	25	23,7	14,1	25,1	26,9
Heating capacity	(E)	W	High	3660	6410	9120	10800	14700	30440	55840
	(E)	W	Med	3600	6030	8890	10400	13100	27750	52020
	(E)	W	Low	3400	5200	8450	9790	10700	25100	46190
Water flow		l/h	High	488	877	1228	1462	1940	4200	7550
		l/h	Med	480	831	1199	1420	1742	3858	7081
		l/h	Low	456	722	1152	1340	1441	3517	6352
Water pressure drop	(E)	kPa	High	11	20	23,1	22,5	19,4	28	29,7
	(E)	kPa	Med	10,7	18,1	22,1	21,4	16	24,1	26,5
	(E)	kPa	Low	9,7	14,2	20,4	19,3	11,5	20,5	21,9
Air flow	(E)	m³/h	High	541	944	1419	1641	2400	4134	7985
	(E)	m³/h	Med	528	873	1371	1575	2041	3676	7279
	(E)	m³/h	Low	491	721	1282	1446	1560	3242	6246
Static pressure	(E)	Pa	High	54	59	55	56	70	122	121
	(E)	Pa	Med	50	50	50	50	50	100	100
	(E)	Pa	Low	44	34	44	42	29	76	77
Power input	(E)	W	High	105	126	204	223	430	992	1932
	(E)	W	Med	107	119	173	194	366	861	1615
	(E)	W	Low	107	116	164	194	299	684	1410
Maximum power input		W	Hig	122	175	240	265	502	1300	2400
Maximum absorbed current		A	Max	0,58	0,83	1,24	1,34	2,27	5,86	11,54
Water content		L	-	1,36	2,18	2,63	3,25	3,79	9,38	14,44

- **Sound pressure level:** 8,6 dB(A) lower that the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec.
- **Supported power supply:** ~230V±10% / 1ph / 50-60Hz



COOLING
 Inlet water temp.: 7°C
 Outlet water temp.: 12°C
 Inlet air temp.: 27°C d.b. - 19°C w.b.



HEATING
 Air temp.: 20°C
 Inlet water temp.: 50°C

(E)



TECHNICAL DETAILS

UTC-ME				10	20	30	40	50	60	70	
2 PIPE SYSTEM (3R COIL)											
SINGLE SKIN UNIT	Sound power level inlet + radiated	(E)	db(A)	High	59	62	63	64	67	70	72
		(E)	db(A)	Med	57,2	59	62	65	68	66	67
		(E)	db(A)	Low	55,5	56	60	62	62	61	62
	Sound power level outlet	(E)	db(A)	High	63	63	67	67	66	74	75
		(E)	db(A)	Med	61,2	60	66	68	67	69	70
		(E)	db(A)	Low	59,5	56	63	65	63	64	65
	Sound pressure level inlet + radiated		db(A)	High	50,4	53,4	54,4	55,4	58,4	61,4	63,4
			db(A)	med	48,6	50,4	53,4	56,4	59,4	57,4	58,4
			db(A)	Low	46,9	47,4	51,4	53,4	53,4	52,4	53,4
	Sound pressure level outlet		db(A)	High	54,4	54,4	58,4	58,4	57,4	65,4	66,4
			db(A)	Med	52,6	51,4	57,4	59,4	58,4	60,4	61,4
			db(A)	Low	50,9	47,4	54,4	56,4	54,4	55,4	56,4
DOUBLE SKIN UNIT (15-25mm)	Sound power level inlet + radiated		db(A)	High	58,0	61,0	62,0	63,0	66,0	69,0	71,0
			db(A)	Med	56,2	58,0	61,0	64,0	67,0	65,0	66,0
			db(A)	Low	54,5	55,0	59,0	61,0	61,0	60,0	61,0
	Sound power level outlet		db(A)	High	62,5	62,5	66,5	66,5	65,5	73,5	74,5
			db(A)	Med	60,7	59,5	65,5	67,5	66,5	68,5	69,5
			db(A)	Low	59,0	55,5	62,5	64,5	62,5	63,5	64,5
	Sound pressure level inlet + radiated		db(A)	High	49,4	52,4	53,4	54,4	57,4	60,4	62,4
			db(A)	Med	47,6	49,4	52,4	55,4	58,4	56,4	57,4
			db(A)	Low	45,9	46,4	50,4	52,4	52,4	51,4	52,4
	Sound pressure level outlet		db(A)	High	53,9	53,9	57,9	57,9	56,9	64,9	65,9
			db(A)	Med	52,1	50,9	56,9	58,9	57,9	59,9	60,9
			db(A)	Low	50,4	46,9	53,9	55,9	53,9	54,9	55,9

- Sound pressure level: 8,6 dB(A) lower that the sound power level for a room of 90 m³ with a reverberation time of 0,5 sec.
- Supported power supply: ~230V±10% / 1ph / 50-60Hz

(E)



SOUND POWER DETAILS

UTC-ME SINGLE SKIN		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	dB(A)	
SOUND POWER SPECTRUM EUROVENT CERTIFIED										
UTC-ME 10	Inlet + radiated	High	68	62	56	51	48	42	35	59,0
		Med	66	60	54	49	46	39	29	57,2
		Low	64	59	52	48	45	38	31	55,5
	Outlet	High	69	62	56	57	56	54	50	63,0
		Med	67	60	55	55	54	52	47	61,2
		Low	65	58	53	53	52	50	46	59,5
UTC-ME 20	Inlet + radiated	High	70	66	58	53	49	44	36	62,0
		Med	68	63	56	51	47	41	34	59,0
		Low	65	60	54	48	43	36	25	56,0
	Outlet	High	67	62	57	57	56	54	50	63,0
		Med	64	59	54	54	53	50	46	60,0
		Low	61	55	50	50	49	45	39	56,0
UTC-ME 30	Inlet + radiated	High	69	65	61	56	52	47	41	63,0
		Med	69	64	60	55	51	45	39	62,0
		Low	68	63	58	51	48	41	34	60,0
	Outlet	High	66	63	62	62	59	57	53	67,0
		Med	66	63	62	62	58	56	52	66,0
		Low	65	61	61	57	55	52	47	63,0
UTC-ME 40	Inlet + radiated	High	69	66	61	59	55	50	44	64,0
		Med	71	66	62	60	55	50	44	65,0
		Low	69	64	60	55	51	45	38	62,0
	Outlet	High	66	61	60	62	60	58	54	67,0
		Med	69	62	62	64	61	60	55	68,0
		Low	69	60	61	59	58	54	49	65,0
UTC-ME 50	Inlet + radiated	High	72	66	62	63	60	52	45	67,0
		Med	73	66	63	64	60	51	42	68,0
		Low	68	60	58	58	53	42	30	62,0
	Outlet	High	66	62	57	60	60	57	52	66,0
		Med	67	63	58	62	61	57	51	67,0
		Low	70	60	56	59	57	51	42	63,0
UTC-ME 60	Inlet + radiated	High	76	69	64	64	63	61	56	70,0
		Med	72	65	60	60	59	57	53	66,0
		Low	67	60	54	55	54	52	48	61,0
	Outlet	High	74	70	65	68	68	65	60	74,0
		Med	69	65	60	64	63	59	53	69,0
		Low	67	61	57	60	58	52	43	64,0
UTC-ME 70	Inlet + radiated	High	78	71	66	66	65	63	58	72,0
		Med	73	66	61	61	60	58	54	67,0
		Low	68	61	55	56	55	53	49	62,0
	Outlet	High	75	71	66	69	69	66	61	75,0
		Med	70	66	61	65	64	60	54	70,0
		Low	68	62	58	61	59	53	44	65,0

CONDITIONS

The sound power test has been performed according to EN 16583:2015 "Heat exchangers - Hydronic room fan coils units - Determination of the sound power level" for the 3 declared speeds (Low, Medium and High speed) in which units are installed between reverberation rooms



SOUND POWER DETAILS

UTC-ME DOUBLE SKIN		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	dB(A)	
SOUND POWER SPECTRUM										
UTC-ME 10	Inlet + radiated	High	67	61	55	50	47	41	34	58,0
		Med	65	59	53	48	45	38	28	56,2
		Low	63	58	51	47	44	37	30	54,5
	Outlet	High	68	61	55	56	55	53	49	62,5
		Med	67	60	55	55	54	52	47	60,7
		Low	65	58	53	53	52	50	46	59,0
UTC-ME 20	Inlet + radiated	High	69	65	57	52	48	43	35	61,0
		Med	67	62	55	50	46	40	33	58,0
		Low	64	59	53	47	42	35	24	55,0
	Outlet	High	67	62	57	57	56	54	50	62,5
		Med	64	59	54	54	53	50	46	59,5
		Low	61	55	50	50	49	45	39	55,5
UTC-ME 30	Inlet + radiated	High	68	64	60	55	51	46	40	62,0
		Med	68	63	59	54	50	44	38	61,0
		Low	67	62	57	50	47	40	33	59,0
	Outlet	High	66	63	62	62	59	57	53	66,5
		Med	65	62	61	61	57	55	51	65,5
		Low	65	61	61	57	55	52	47	62,5
UTC-ME 40	Inlet + radiated	High	68	65	60	58	54	49	43	63,0
		Med	70	65	61	59	54	49	43	64,0
		Low	68	63	59	54	50	44	37	61,0
	Outlet	High	66	61	60	62	60	58	54	66,5
		Med	68	61	61	63	60	59	54	67,5
		Low	69	60	61	59	58	54	49	64,5
UTC-ME 50	Inlet + radiated	High	71	65	61	62	59	51	44	66,0
		Med	72	65	62	63	59	50	41	67,0
		Low	67	59	57	57	52	41	29	61,0
	Outlet	High	66	62	57	60	60	57	52	65,5
		Med	67	63	58	62	61	57	51	66,5
		Low	69	59	55	58	56	50	41	62,5
UTC-ME 60	Inlet + radiated	High	75	68	63	63	62	60	55	69,0
		Med	71	64	59	59	58	56	52	65,0
		Low	66	59	53	54	53	51	47	60,0
	Outlet	High	74	70	65	68	68	65	60	73,5
		Med	69	65	60	64	63	59	53	68,5
		Low	66	60	56	59	57	51	42	63,5
UTC-ME 70	Inlet + radiated	High	77	70	65	65	64	62	57	71,0
		Med	72	65	60	60	59	57	53	66,0
		Low	67	60	54	55	54	52	48	61,0
	Outlet	High	75	71	66	69	69	66	61	74,5
		Med	70	66	61	65	64	60	54	69,5
		Low	67	61	57	60	58	52	43	64,5

CONDITIONS

The sound power test has been performed according to EN 16583:2015 "Heat exchangers - Hydronic room fan coils units - Determination of the sound power level" for the 3 declared speeds (Low, Medium and High speed) in which units are installed between reverberation rooms

SOUND POWER CALCULATED DETAILS

UTC-ME SINGLE SKIN			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	dB(A)
SOUND POWER SPECTRUM										
UTC-ME 10	Inlet + radiated	High	45	46	46	47	46	41	35	51,6
		Med	43	44	44	45	44	38	29	49,7
		Low	41	43	42	44	43	37	31	48,3
	Outlet	High	46	46	46	53	54	53	50	59,3
		Med	44	44	45	51	52	51	47	57,5
		Low	42	42	43	49	51	49	46	55,8
UTC-ME 20	Inlet + radiated	High	47	50	48	49	48	43	36	53,7
		Med	45	47	45	47	45	40	34	51,0
		Low	42	44	43	43	41	34	24	47,5
	Outlet	High	44	46	47	53	54	53	50	59,5
		Med	41	43	44	50	51	49	46	56,3
		Low	38	39	40	46	48	44	39	52,0
UTC-ME 30	Inlet + radiated	High	46	49	51	52	50	46	41	56,4
		Med	46	48	50	51	49	44	39	55,2
		Low	45	47	48	47	46	40	34	52,0
	Outlet	High	43	47	52	58	58	56	53	63,4
		Med	43	47	51	58	56	55	52	62,2
		Low	42	45	51	53	53	51	47	58,6
UTC-ME 40	Inlet + radiated	High	46	50	50	54	53	48	43	58,5
		Med	48	50	52	56	53	49	44	59,3
		Low	46	48	50	51	49	44	38	55,1
	Outlet	High	43	45	50	58	59	57	54	63,9
		Med	45	46	51	59	59	58	54	64,8
		Low	46	44	51	55	57	53	49	61,1
UTC-ME 50	Inlet + radiated	High	49	50	51	59	58	51	45	62,6
		Med	50	50	53	60	58	50	42	63,4
		Low	45	44	48	54	51	41	30	56,9
	Outlet	High	43	46	47	56	59	56	52	63,1
		Med	44	47	48	58	60	56	51	63,9
		Low	47	44	45	54	55	49	41	59,1
UTC-ME 60	Inlet + radiated	High	53	53	54	60	61	60	56	66,3
		Med	49	49	49	56	57	56	53	62,3
		Low	44	44	44	51	52	51	48	57,3
	Outlet	High	51	54	55	64	67	64	60	71,1
		Med	46	49	50	60	62	58	53	65,9
		Low	44	45	47	56	56	51	43	60,4
UTC-ME 70	Inlet + radiated	High	55	55	56	62	63	62	58	68,3
		Med	50	50	50	57	58	57	54	63,3
		Low	45	45	45	52	53	52	49	58,3
	Outlet	High	52	55	56	65	68	65	61	72,1
		Med	47	50	51	61	63	59	54	66,9
		Low	45	46	48	57	57	52	44	61,4

CONDITIONS

The sound power details are according to EN 16583:2015 "Heat exchangers - Hydronic room fan coils units - Determination of the sound power level" for the 3 declared speeds (Low, Medium and High speed) in which units are installed between reverberation rooms. Inlet + radiated and Outlet values are calculated according to the sound attenuations related to the particular conditions of use with speed on the grid of maximum two meters per second and sound absorption related to twin ceiling room at the distance of 2 meters.

SOUND POWER CALCULATED DETAILS

UTC-ME DOUBLE SKIN		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	dB(A)	
SOUND POWER SPECTRUM										
UTC-ME 10	Inlet + radiated	High	43	44	44	45	44	39	33	49,6
		Med	41	42	42	43	42	36	27	47,7
		Low	39	41	40	42	41	35	29	46,3
	Outlet	High	44	44	44	51	52	51	48	57,6
		Med	42	42	43	49	51	49	45	55,8
		Low	40	41	41	47	49	47	44	54,1
UTC-ME 20	Inlet + radiated	High	45	48	46	47	46	41	34	51,7
		Med	43	45	43	45	43	38	32	49,0
		Low	40	42	41	41	39	32	22	45,5
	Outlet	High	42	44	45	51	53	51	48	57,8
		Med	39	42	42	48	50	47	44	54,6
		Low	36	38	38	44	46	42	37	50,3
UTC-ME 30	Inlet + radiated	High	44	47	49	50	48	44	39	54,4
		Med	44	46	48	49	47	42	37	53,2
		Low	43	45	46	45	44	38	32	50,0
	Outlet	High	42	46	50	56	56	54	51	61,7
		Med	41	45	50	56	54	53	50	60,5
		Low	40	43	49	51	52	49	45	56,9
UTC-ME 40	Inlet + radiated	High	44	48	48	52	51	46	41	56,5
		Med	46	48	50	54	51	47	42	57,3
		Low	44	46	48	49	47	42	36	53,1
	Outlet	High	41	44	48	56	57	55	52	62,2
		Med	44	44	50	58	57	57	53	63,1
		Low	44	43	49	53	55	51	47	59,4
UTC-ME 50	Inlet + radiated	High	47	48	49	57	56	49	43	60,6
		Med	48	48	51	58	56	48	40	61,4
		Low	43	42	46	52	49	39	28	54,9
	Outlet	High	42	45	45	54	57	54	50	61,4
		Med	42	46	46	56	58	54	49	62,2
		Low	45	42	44	53	53	48	40	57,4
UTC-ME 60	Inlet + radiated	High	51	51	52	58	59	58	54	64,3
		Med	47	47	47	54	55	54	51	60,3
		Low	42	42	42	49	50	49	46	55,3
	Outlet	High	50	53	53	62	65	62	58	69,4
		Med	44	48	48	58	60	56	51	64,2
		Low	42	43	45	54	54	49	41	58,7
UTC-ME 70	Inlet + radiated	High	53	53	54	60	61	60	56	66,3
		Med	48	48	48	55	56	55	52	61,3
		Low	43	43	43	50	51	50	47	56,3
	Outlet	High	51	54	54	63	66	63	59	70,4
		Med	45	49	49	59	61	57	52	65,2
		Low	43	44	46	55	55	50	42	59,7

CONDITIONS

The sound power details are according to EN 16583:2015 "Heat exchangers - Hydronic room fan coils units - Determination of the sound power level" for the 3 declared speeds (Low, Medium and High speed) in which units are installed between reverberation rooms. Inlet + radiated and Outlet values are calculated according to the sound attenuations related to the particular conditions of use with speed on the grid of maximum two meters per second and sound absorption related to twin ceiling room at the distance of 2 meters.

DIMENSION DETAILS

UTC-ME			10	20	30	40	50	60	70
Fans - motors	n°		1 - 1	2 - 1	2 - 1	2 - 1	2 - 1	1 - 1	2 - 2
Condensate drain fitting	(ØC) Ø mm		20	20	20	20	20	20	20
N. x Ø BAM	mm		2xØ200	3xØ200	3xØ200	4xØ200	4xØ200	2xØ400	4xØ400

SINGLE SKIN

External dimensions	Height	H	mm	300	300	325	325	375	675	675
	Length	L	mm	652	1002	1102	1342	1342	1344	2031
	Depth	P	mm	533	533	533	533	533	853	853
Intake	A	mm	197	197	222	222	272	572	572	
	Supply	M	mm	197	197	222	222	272	391	391
	B	mm	548	898	998	1.238	1.238	1.238	1.238	1.926

DOUBLE SKIN (15mm)

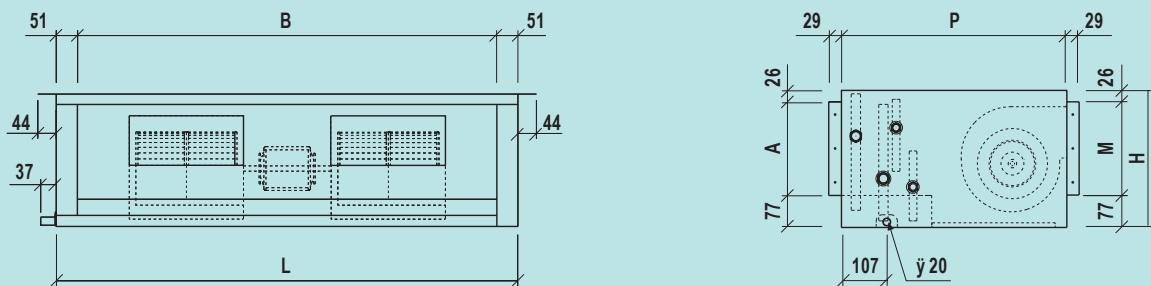
External dimensions	Height	H	mm	328	328	353	353	403	685	685
	Length	L	mm	654	1004	1104	1344	1344	1346	2033
	Depth	P	mm	533	533	533	533	583	854	854
Intake	A	mm	197	197	222	222	272	573	573	
	Supply	M	mm	197	197	222	222	272	391	391
	B	mm	548	898	998	1238	1238	1239	1239	1926

DOUBLE SKIN (25mm)

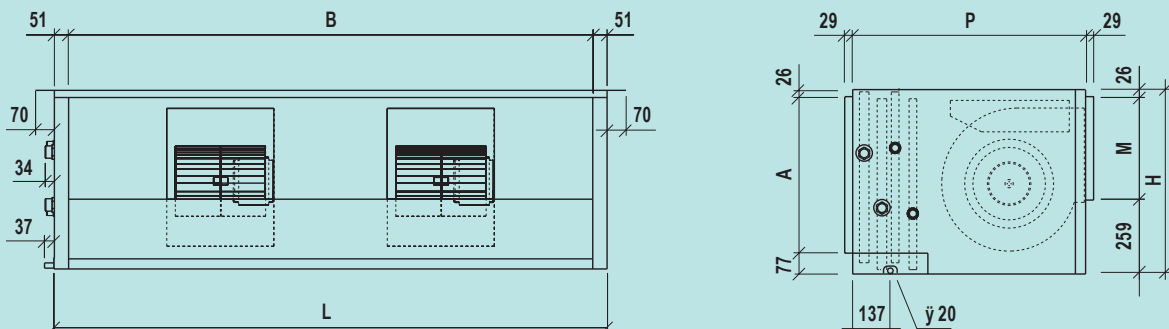
External dimensions	Height	H	mm	348	348	373	373	423	696	696
	Length	L	mm	654	1004	1104	1344	1344	1346	2033
	Depth	P	mm	533	533	533	533	583	854	854
Intake	A	mm	197	197	222	222	272	573	573	
	Supply	M	mm	197	197	222	222	272	391	391
	B	mm	548	898	998	1238	1238	1239	1239	1926

Note - Unit dimensions will vary in case of internal heaters.

UTC-ME 10-50 SINGLE SKIN

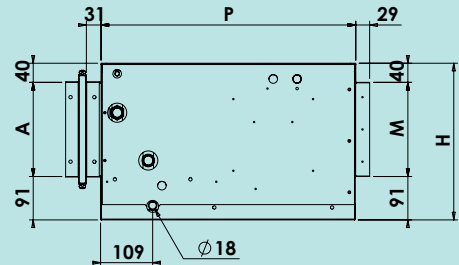
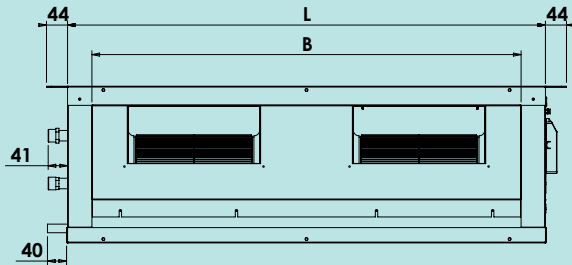


UTC-ME 60-70 SINGLE SKIN

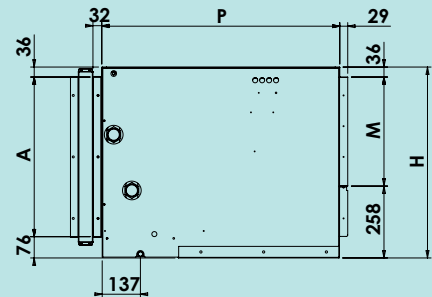
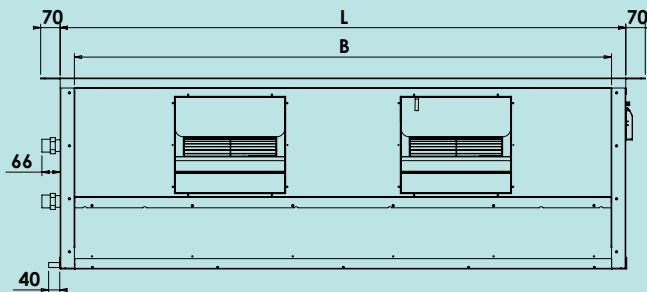


DIMENSION DETAILS

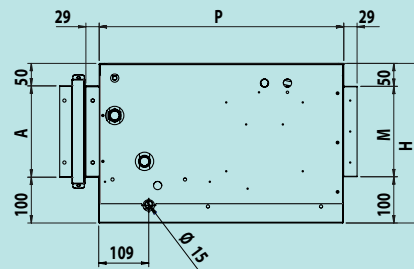
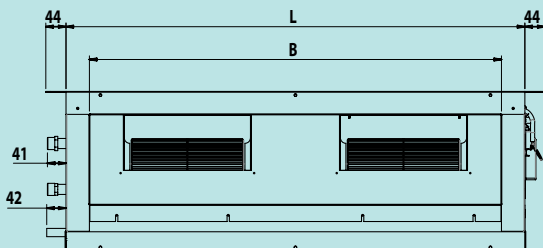
UTC-ME 10-50 DOUBLE SKIN (15mm)



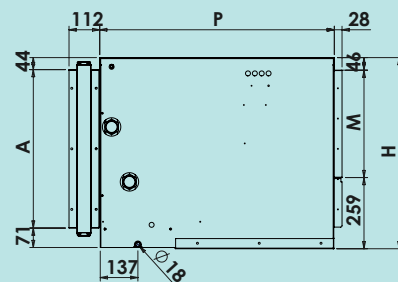
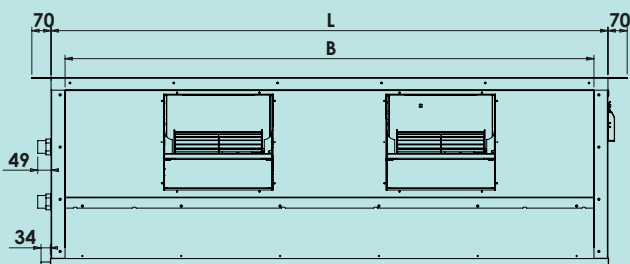
UTC-ME 60-70 DOUBLE SKIN (15mm)



UTC-ME 10-50 DOUBLE SKIN (25mm)



UTC-ME 60-70 DOUBLE SKIN (25mm)



PRESSURE DROP DETAILS

UTC-ME

10

20

30

40

50

60

70

Maximum external static pressure (Pa) reducing unit performance of 50%.

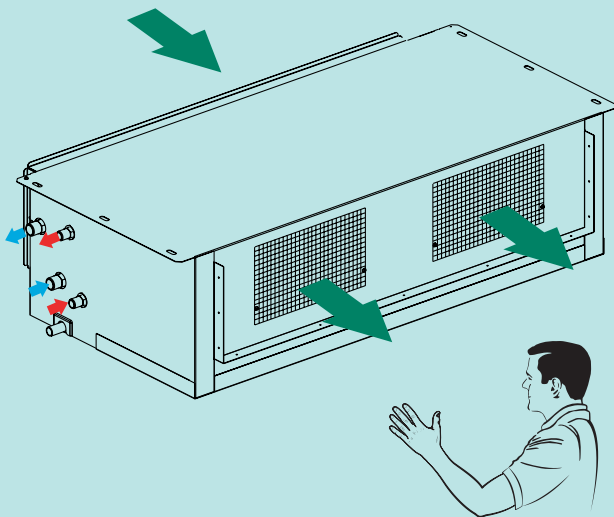
2 pipe system	Pa	max	105	105	135	135	205	260	260
	Pa	med	95	95	130	130	180	240	240
	Pa	min	90	80	115	105	135	220	220

Minimum air pressure loss necessary to ensure the correct functioning of the units.

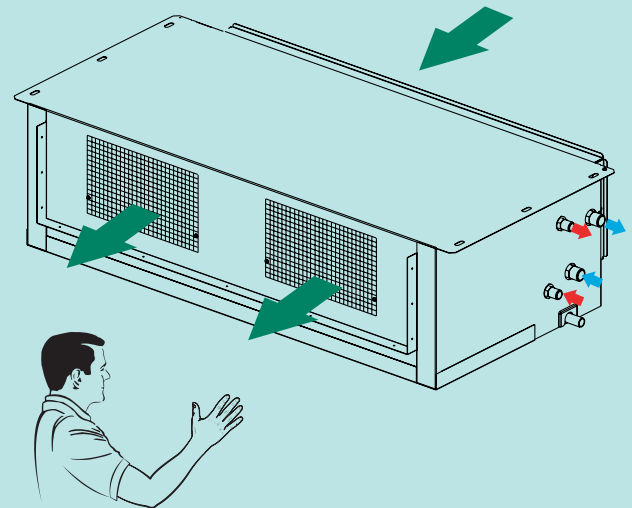
Minimum air pressure loss	Pa	0	0	0	0	0	60	60
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COIL HANDING CONNECTION DETAILS

LEFT HAND SIDE (SX)



RIGHT HAND SIDE (DX)

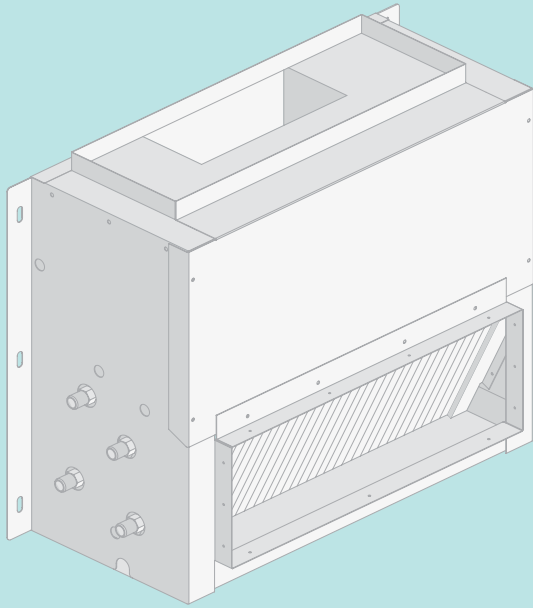


ELECTRIC HEATER CAPACITY DETAILS

MODEL	0.6 kW	0.7 kW	0.9 kW	1.0 kW	1.4 kW	1.9 kW	2.0 kW	3.0 kW	4.0 kW	6.0 kW	8.0 kW
UTC-ME 10	✓	✓	✓	✓	✓	✗	✓	✗	✗	✗	✗
UTC-ME 20	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗	✗
UTC-ME 30	✗	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗
UTC-ME 40	✗	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗
UTC-ME 50	✗	✗	✓	✗	✓	✓	✓	✓	✓	✓	✗
UTC-ME 60	✗	✗	✓	✗	✓	✓	✓	✓	✓	✓	✗
UTC-ME 70	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓

Electric heaters are built with Safety thermostat and suitable for 220V/1P/50-60 Hz

VERTICAL UNIT



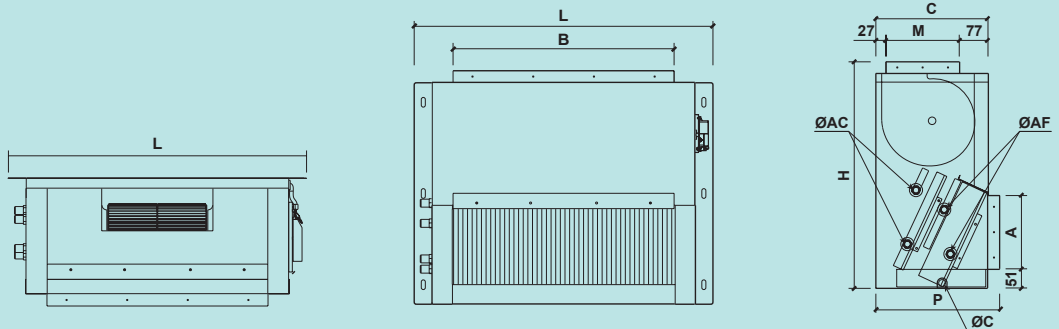
UTV series are vertical units suitable for ducted and decorative application; the Construction is exactly same like UTC series except internal arrangements of drain pan design and return intake for vertical application. Optionally, vertical units can be supplied with grilles.

UTV			10	20	30	40	50	60	70
Fans - Motors		n°	1 - 1	2 - 1	2 - 1	2 - 1	2 - 1	1 - 1	2 - 2
Standard coil	Rows	n°	3	3	3	3	3	4	4
	Fittings	(ØAF)	Ø	1/2"	1/2"	3/4"	3/4"	1"	1" 1/4
Auxiliary coil	Rows	n°	1	1	1	1	1	2	2
	Fittings	(ØAF)	Ø	1/2"	1/2"	1/2"	1/2"	3/4"	1"
Condensate drain fitting		(ØC) Ø mm	20	20	20	20	20	20	20
External dimensions	Height	H mm	603	603	623	623	723	1294	1294
	Length	L mm	738	1.088	1.188	1.428	1.428	1481	2168
	Depth	P mm	330	330	355	355	405	703	703
	Intake	A mm	197	197	222	222	273	573	573
	Supply	M mm	197	197	222	222	272	392 *	392 *
	B mm		548	898	998	1238	1238	1238	1296
	C mm		300	300	325	325	375	675	675
N. x Ø BAM		mm	2xØ200	3xØ200	3xØ200	4xØ200	4xØ200	2xØ400	4xØ400

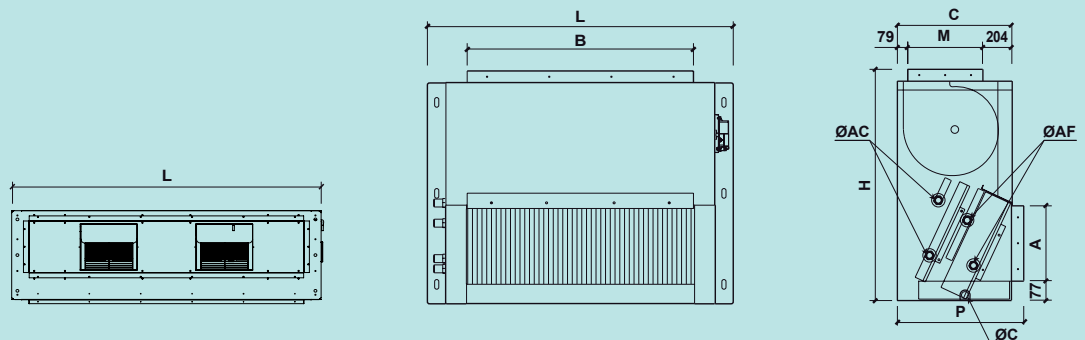
* On request: supply dimension as intake dimension.

GENERAL DIMENSION

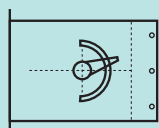
UTV 10-50



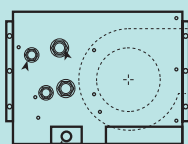
UTV 60-70



ACCESSORIES



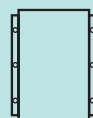
SSP



UTC-ME



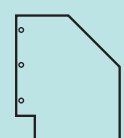
SRE



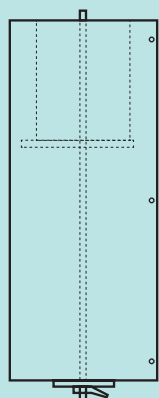
PAM



BAM



RAM



RAM

90° intake/supply plenum

BAM

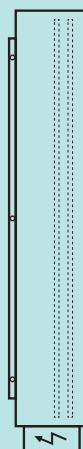
Intake/supply section with spigots

PAM

Straight intake/supply plenum

SRE

Heating section with electric heater (380V), made according to the international security standard. It is supplied complete with safety thermostat with automatic reset, interface relay, electric wiring control terminal and main switch.



GAM

Antivibrating joint

FAM

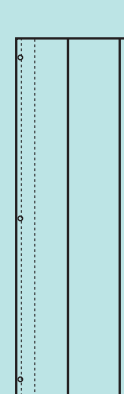
Connecting flange

SFA

Air filter section. Easily extractable, made of a metal frame containing the filtering element. Filter class G3, regenerable by washing with water or air blowing.

SSP

Section with fresh air louver (manual). Made of galvanised steel, it allows the flow of external air in the room.
 Inside air flow: 100% ÷ 66,6%.
 External air flow: 0% ÷ 33,3%





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IN ORDER TO PROVIDE ITS CUSTOMERS THE RELIABILITY AND ACCURACY OF PERFORMANCES.

