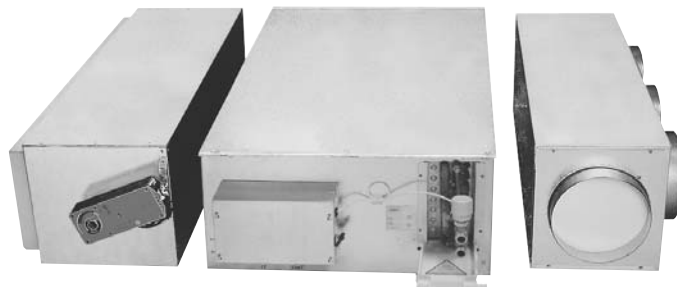




Ductable units

NEW
Eco-Design Filter



UTA STANDARD

Air handling unit
with **high available** static pressure

V2000® - V3000
control
Fresh air
management



The **UTA STANDARD** range of air handling units is designed for suspended ceiling heating and air conditioning of rooms such as large meeting rooms, restaurant dining rooms, laboratories, offices, small shops, service stations, etc.

The **UTA STANDARD** range has accessories suitable for providing fresh air. A louvre box, controlled manually or using a servo-motor, is available as an accessory to be placed at the inlet.

In association with the V2000® or V3000 Fresh Air Handling communicating controller, this range is suitable for the following applications:

- Introducing fresh air at constant temperature into a room or on the inlet of terminal units for controlling the environment.
- Introducing a mixture of fresh air and recycled air directly into a room. This application also enables the ambient temperature and introduction of fresh air to be controlled

RANGE

The **UTA STANDARD** range comprises three sizes.

370/22 - 370/44 - 370/66

These slimline units, only 370 mm thick, can be easily integrated into suspended ceilings.

They are available as:

- 2-pipe systems (one circuit with chilled or hot water)
- 4-pipe systems (two circuits: chilled and hot water)
- 2-pipe/2 wires (one water circuit and additional electric heaters).

- Electric only (electric elements integrated in an aluminium block only).

UTA STANDARD units, with their high static pressure, respond to decentralised air conditioning requirements in a duct network.

They are fitted with powerful fan motor assembly units and can cover a range of air flow values from 600 to 3200 m³/h with static pressures of up to 250 Pa.

TECHNICAL DESCRIPTION

Water coil (2-pipe or 4-pipe system)

Galvanised panels, bichromated zinc-plated steel nuts and bolts.

Copper pipes, continuous aluminium fins.

Water coil connection on the left or right side of unit, facing the discharge (to be specified).

Rotating nut couplings with flat seal for fitting the control valve.

Air bleed and drain.

Nominal pressure 16 Bar (to 20°C)

Test pressure 24 bar.

Max water temperature: 110°C (PN10)

Condensate drain pan

Polymer material drain pan. M1 fire classification

Without water retention, evacuation at the level of the drain pan bottom, inclined.

Drain connectors reversible manually to the front or to the rear.

4 drain diameters: 15, 16, 22 or 28 mm in standard

Slide-mounted with coil for easy disassembly

Electric heater (2-pipe + electric system)

Shielded heating element, stainless steel pipe, galvanised fins.

Two capillary temperature limiters.

Power supply 230/1/50.

Electric heater (all-electrical)

Single-tube 230/1/50 electric heating elements inserted in aluminium block.

Two capillary temperature limiters inserted in aluminium block.

No relay.

Power supply TRI 400/3/50.

ACCESSORIES

Resilient mounts to fix the unit.

Smooth sheet metal sleeve for inlet or outlet.

Insulated plenum for air intake or discharge.

Motorized anti-frost register.

All Fresh Air or Mixed return air box with or without servo-motor control.

OPTIONALS (CONSULT US)

60 Hz (230 V) operation.

Condensates draining pump mounted on unit.

CONTROL

Electromechanical wall-mounted thermostat range

V30 electronic controller range.

V200 electronic controller range.

Fan motor assembly unit

■ Motor

4 speeds, 3 pre-wired in factory (this wiring may be modified on site).

Sealed type, tropicalised, with protected shaft and ball-bearings.

Permanent condenser.

Automatic thermal cut-off in series with coil.

Resilient mounts.

Power supply 230/1/50.

Reduced power consumption.

■ Fan(s)

Galvanised sheet metal scroll(s).

Impeller(s) with forward-curved dynamically balanced blades and dual inlets.

Air filter

Placed on unit inlet.

EN 779 efficiency class: G4. Fire rating M1.

Pleated filter surface, doubled to increase dust retention capacity. Environmentally-friendly Eco-design with cap system for sorting materials at the end of life.



Structure

Galvanised panels, bichromated zinc-plated steel nuts and bolts.

Thermal and acoustic insulation made from melamine resin, flexible open-cell foam and aluminium film. Fire resistance rating M1, thickness 25 mm.

Electrical connections

Adjacent to hydraulic connections.

Entirely sealed electrical box.

DIN rail in accordance with EN 50022, depth 7.5 mm.

Terminal block

Note: see installation manual for more details

Class F5 filter according to EN 779 for fresh air handling

Motorized damper Ø200mm.



THERMAL PERFORMANCES

Cooling capacities in W 2-pipe system (water temperature 7/12°C)

UTA STANDARD	Motor ref.	Air flow m³/h	Available static pressure Pa*	Air temperatures									Comfort level ISO or NR	Air temperature mean rise in K (1)							
				24 °C - 50%			27 °C - 50%			30 °C - 50%				Auxiliary electric heater 230/1/50				Electric heater only 400/3/50			
				Total	Sens.	Ts	Total	Sens.	Ts	Total	Sens.	Ts		1R		2R		6R		9R	
370/22	R1	1150	40	4 910	4 370	13,3	6 970	5 280	13,7	9 540	6 190	14,2	41		2,3		4,6		13,9		20,9
	R2	945		4 250	3 720	12,8	6 110	4 520	13,1	8 330	5 300	13,4	37	900	2,8	1800	5,7	5400	17,0	8100	25,5
	R3	740		3 510	3 020	12,3	5 110	3 700	12,4	6 990	4 360	12,4	32	W	3,6	W	7,2	W	21,7	W	32,5
	R4	600		2 970	2 520	11,9	4 340	3 080	11,9	5 960	3 660	11,7	29		4,5		8,9		26,7		40,1
370/44	R1	2115	40	9 450	8 250	12,9	13 400	9 930	13,4	18 200	11 600	13,7	44		2,0		3,9		16,9		25,3
	R2	1735		8 240	7 060	12,4	11 800	8 530	12,7	16 000	10 000	12,9	39	1400	2,4	2800	4,8	12000	20,5	18000	30,8
	R3	1260		6 440	5 390	11,7	9 310	6 550	11,8	12 700	7 780	11,6	33	W	3,3	W	6,6	W	28,3	W	42,4
	R4	990		5 280	4 350	11,3	7 720	5 340	11,1	10 500	6 340	10,8	29		4,2		8,4		36,0		54,0
370/66	R1	3205	40	13 300	12 000	13,4	19 100	14 500	13,9	26 100	17 000	14,4	43		2,1		4,3		15,6		23,4
	R2	2280		10 300	9 090	12,7	15 000	11 000	12,9	20 800	13 100	13	35	2300	3,0	4600	6,0	16800	21,9	25200	32,8
	R3	1700		8 180	7 050	12,1	12 000	8 620	12,2	16 700	10 300	11,9	29	W	4,0	W	8,0	W	29,4	W	44,0
	R4	1325		6 600	5 640	11,8	9 830	6 940	11,7	13 700	8 360	11,2	24		5,2		10,3		37,7		56,5

Heating capacities in W 2-pipe system

Hot water temp °C	Sizes	Motor ref.	Air flow m³/h	Available static pressure Pa	2-pipe system battery Air inlet temperature								Comfort level ISO or NR
					-10		0		+10		+19		
					Pc	Ts	Pc	Ts	Pc	Ts	Pc	Ts	
45/37	370/22	R1	1150	40	19 200*	35,2	14 700	36,3	10 700	37,6	6 840	37,4	41
		R2	945		16 100	36,3	12 500	37,4	9 070	38,4	5 870	38,2	37
		R3	740		13 000	37,8	10 100	38,6	7 330	39,3	4 820	39,1	32
		R4	600		10 800	38,9	8 350	39,5	6 090	40	4 050	39,8	29
	370/44	R1	2115	40	36 000*	36,2	27 800	37,2	20 300	38,4	13 300	38,4	44
		R2	1735		30 500*	37,5	23 600	38,3	17 200	39,2	11 500	39,3	39
		R3	1260		22 800	39,3	17 800	40	13 000	40,5	8 860	40,6	33
		R4	990		18500	40,5	14 400	41	10 600	41,3	7 260	41,4	29
	370/66	R1	3205	40	53300*	35,1	41 000	36,2	29 900	37,5	19 100	37,3	43
		R2	2280		39 600	37,1	30 700	38,1	22 400	39	14 700	38,8	35
		R3	1700		30 600	38,8	23 800	39,5	17 400	40,1	11 600	39,9	29
		R4	1325		24 500	40,1	19 100	40,5	13 900	40,9	9 370	40,6	24
75/60	370/22	R1	1150	40	29 300	58,9	24 700	60,4	20 400	61,8	16 000	60,9	41
		R2	945		24 800	61	20 900	62,2	17 200	63,3	13 600	62,7	37
		R3	740		20 000	63,3	16 800	64,1	13 900	64,9	11 200	64,6	32
		R4	600		16 600	64,9	14 000	65,6	11 500	66,2	9 350	66,1	29
	370/44	R1	2115	40	55 200	60,6	46 700	62	38 700	63,3	30 800	63	44
		R2	1735		46 800	62,7	39 600	63,9	32 800	65	26 500	64,9	39
		R3	1260		35 300	65,9	29 900	66,6	24 700	67,3	20 400	67,7	33
		R4	990		28 500	67,8	24 100	68,3	20 000	68,8	16 500	69,1	29
	370/66	R1	3205	40	81 500	58,7	68 900	60,3	56 900	61,7	44 600	60,9	43
		R2	2280		61 100	62,4	51 600	63,5	42 600	64,5	34 200	64,2	35
		R3	1700		47 200	65,1	39 800	65,8	32 900	66,5	26 800	66,5	29
		R4	1325		37 800	66,9	31 900	67,5	26 400	67,9	21 700	68,1	24
90/70	370/22	R1	1150	40	34 200	70,3	29 500	71,9	25 000	73,3	20 200	71,8	41
		R2	945		28 900	72,7	24 900	74	21 100	75,1	17 300	74,1	37
		R3	740		23 300	75,4	20 100	76,3	17 000	77,2	14 100	76,6	32
		R4	600		19 400	77,3	16 700	78,1	14 100	78,7	11 800	78,4	29
	370/44	R1	2115	40	64 600	72,4	55 800	74	47 500	75,3	39 100	74,6	44
		R2	1735		54 800	75	47 300	76,3	40 200	77,3	33 600	77,1	39
		R3	1260		41 400	78,7	35 700	79,5	30 400	80,3	25 800	80,6	33
		R4	990		33 400	81	28 900	81,6	24 600	82,1	20 900	82,4	29
	370/66	R1	3205	40	95 300	70,1	82 200	71,8	69 800	73,3	56 500	71,9	43
		R2	2280		71 400	74,5	61 500	75,6	52 300	76,7	43 300	76	35
		R3	1700		55 200	77,6	47 600	78,4	40 400	79,1	34 000	79	29
		R4	1325		44 200	79,9	38 100	80,4	32 400	80,8	27 500	81,1	24

* ATTENTION: water pressure drop above 100 kPa, consult our commercial agency for a more detailed simulation, with suitable water temperatures.

(1) Please note, the air jet temperature must not exceed 65°C. (CIAT recommendation)



Heating capacities in W 4-pipe system

Hot water temp °C	Sizes	Motor ref.	Air flow m³/h	Available static pressure Pa	4-pipe system battery Air inlet temperature								Comfort level ISO or NR
					-10		0		+10		+19		
					Pc	Ts	Pc	Ts	Pc	Ts	Pc	Ts	
45 / 37	370/22	R1	1150	40	11 200	16,6	8 600	21,5	6 140	26,1	3 820	29,6	41
		R2	945		9 980	19	7 700	23,3	5 500	27,5	3 420	30,5	37
		R3	740		8 630	22	6 650	25,7	4 750	29,2	2 970	31,6	32
		R4	600		7 580	24,5	5 840	27,7	4 170	30,7	2 610	32,6	29
	370/44	R1	2115	40	25 100*	22,4	19 200*	25,8	13 000*	28,2	7 940	30,8	44
		R2	1735		21 900*	24,3	16 600*	27,1	11 100	29,1	7 090	31,8	39
		R3	1260		17 000*	26,9	12700*	28,7	9 090	31,5	5 810	33,4	33
		R4	990		13 600	27,3	10 700	30,8	7 770	33,2	4 970	34,5	29
	370/66	R1	3205	40	34 000*	18,9	25 000*	22,2	17 600	26,4	11 100	29,9	43
		R2	2280		27 700*	23,1	20 100	25,1	14 400	28,9	9 100	31,5	35
		R3	1700		21 700	24,8	16 800	28	12 000	31,1	7 610	33	29
		R4	1325		18 400	27,8	14 300	30,4	10 200	32,8	6 490	34,1	24
75 / 60	370/22	R1	1150	40	17 100	30,5	14 400	35,6	11 900	40,4	9 200	43,4	41
		R2	945		15 300	34,1	12 900	38,8	10 600	43,1	8 210	45,6	37
		R3	740		13 200	38,7	11 200	42,7	9 160	46,4	7 090	48,2	32
		R4	600		11 600	42,7	9 780	46,1	8 020	49,3	6 210	50,5	29
	370/44	R1	2115	40	38 400*	39,2	30 700*	40,9	24 300*	43,8	18 600	45,8	44
		R2	1735		33 800*	42,7	27400*	44,1	21 200	45,8	16 600	48	39
		R3	1260		25 300*	44,5	21 000	47,1	17 300	50,4	13 500	51,6	33
		R4	990		21 200	48,1	17 900	51	14 800	53,6	11 500	54,2	29
	370/66	R1	3205	40	50 500*	32,7	40 900	36,1	33 700	40,9	26 200	44	43
		R2	2280		39 800	37,4	33 600	41,6	27 700	45,7	21 500	47,7	35
		R3	1700		33 200	43	28 000	46,5	23 100	49,8	17 900	51	29
		R4	1325		28 300	47,7	23 800	50,5	19 600	53,2	15 200	53,7	24
90 / 70	370/22	R1	1150	40	19 800	36,8	17 100	42	14 500	46,9	11 600	49,7	41
		R2	945		17 700	41	15 300	45,7	12 900	50,2	10 400	52,4	37
		R3	740		15 300	46,4	13 200	50,5	11 200	54,3	8 970	55,8	32
		R4	600		13 500	50,9	11 600	54,5	9 780	57,8	7 860	58,7	29
	370/44	R1	2115	40	42 900*	44,9	36100*	48,1	29 000	50,2	23 500	52,7	44
		R2	1735		36 500*	46,8	30 400	49,3	25 900	53,5	20 900	55,4	39
		R3	1260		28 800	52	24 900	55,7	21 200	59,1	17 100	60	33
		R4	990		24 700	57,3	21 300	60,3	18 100	63,1	14 600	63,3	29
	370/66	R1	3205	40	56 000	37,4	48 400	42,6	41 100	47,6	33 200	50,4	43
		R2	2280		46 100	44,8	39 800	49,2	33 800	53,4	27 300	55,2	35
		R3	1700		38 500	51,4	33 200	55	28 200	58,4	22 700	59,3	29
		R4	1325		32 800	56,8	28 300	59,8	23 900	62,5	19 300	62,7	24

* **ATTENTION:** water pressure drop above 100 kPa, consult our commercial agency for a more detailed simulation, with suitable water temperatures.
 - For the 4-tube cooling capacities, consult the 2-tube table - Ts: discharge temperature in °C

Standard factory wiring

Sound comfort levels given for: - 21 dB attenuation for sizes 370/22 / - 23 dB for sizes 370/44 and 370/66

If the unit is not ducted at the intake, add 6 dB to the above comfort levels

- For other available static pressures, consult the following page for a pre-selection, and consult our commercial agency for a detailed simulation.

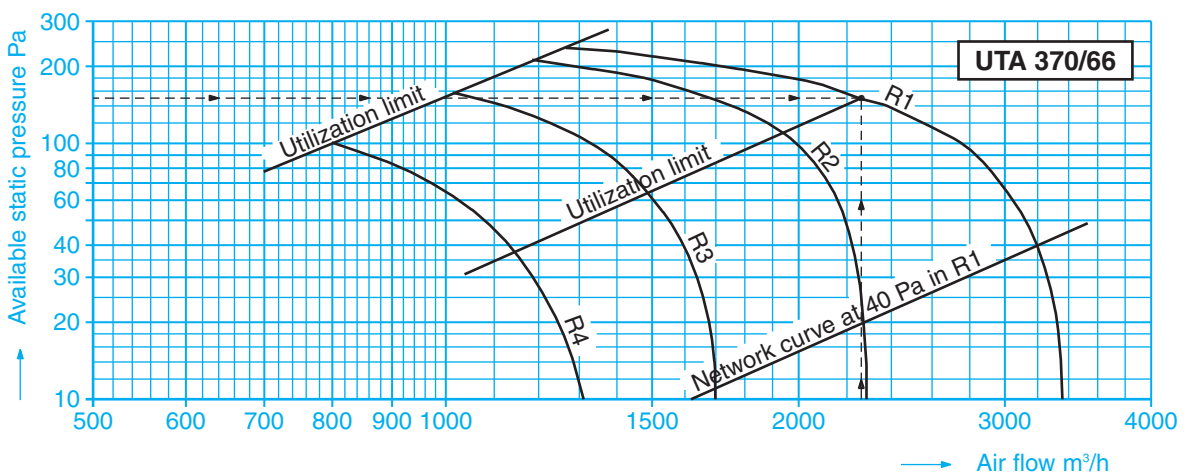
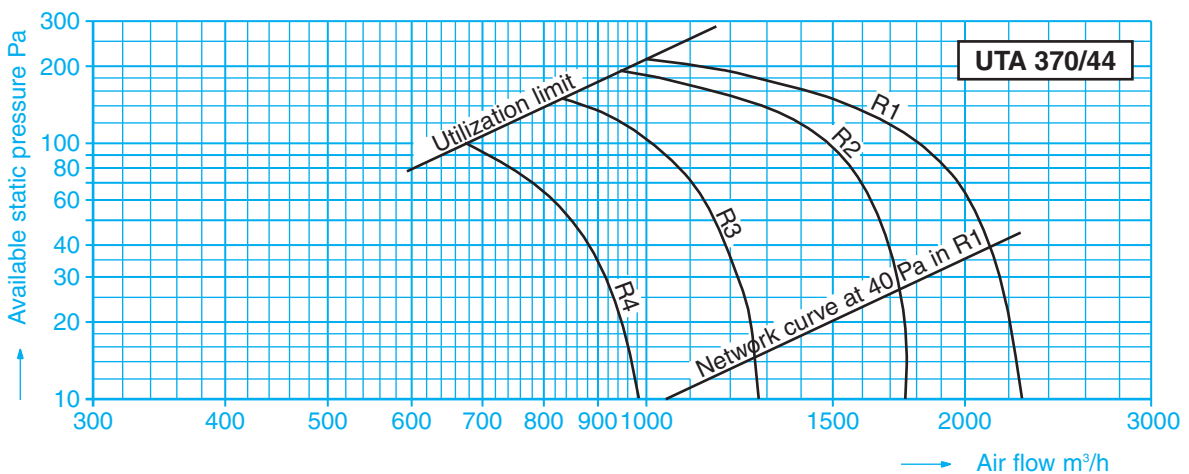
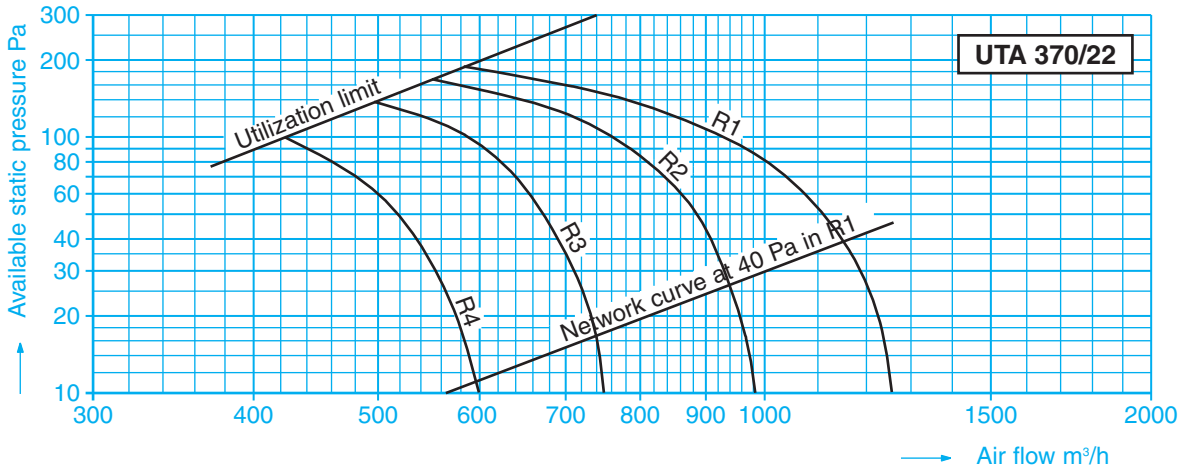
Electrical characteristics for 230 V - 1 ph - 50 Hz motors

UTA standard	Motor ref.	370/22	370/44	370/66	
Absorbed power	W	R1	250	450	600
		R2	200	360	372
		R3	152	272	255
		R4	120	208	190
Absorbed intensity	A	R1	1.1	2.00	2.61
		R2	0.88	1.66	1.54
		R3	0.70	1.30	1.15
		R4	0.56	1.00	0.85



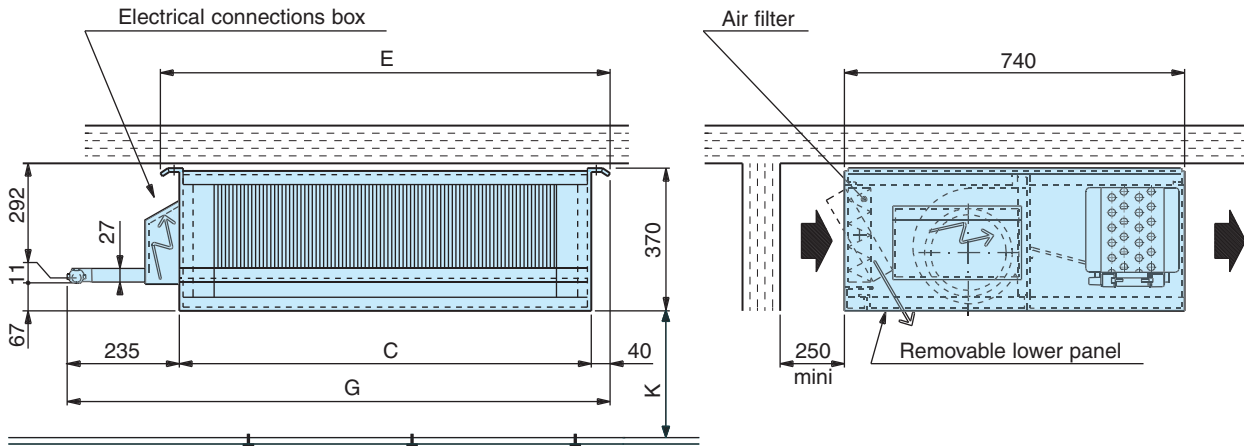
Ductable units

FLOW CURVES/AIR HANDLING PRESSURE COMPLETE UTA STANDARD UNIT (COIL, FILTER...)

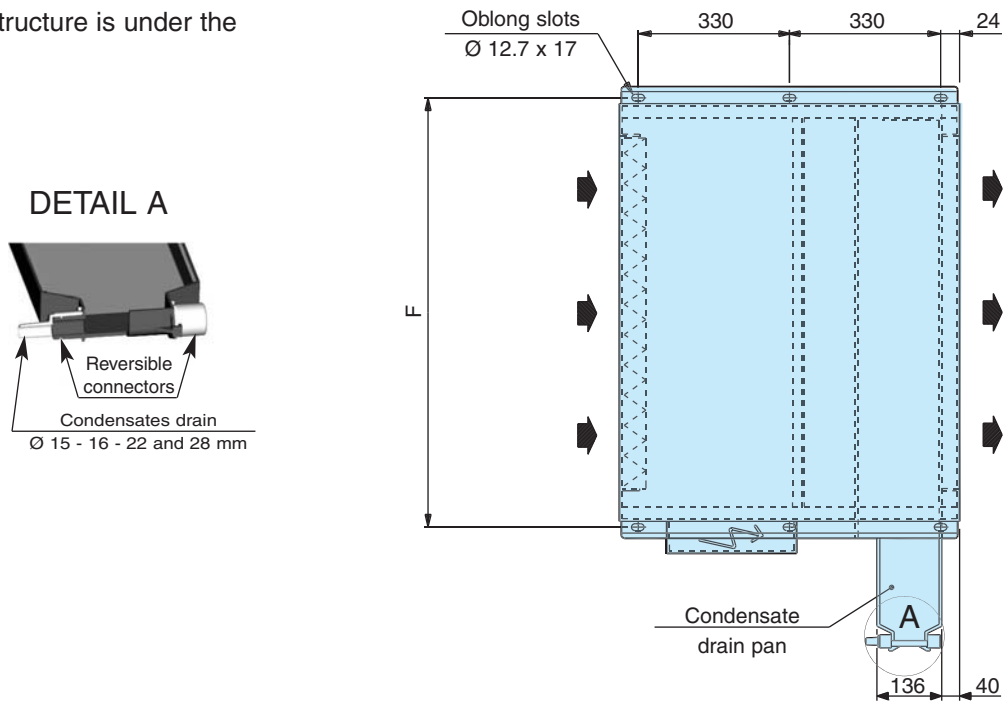


These curves are given as an example, in order to pre-select your unit according to the air flow and pressure required by the duct network
Example: air flow desired: 2250 m³/h
available pressure for ducts: 150 Pa
UTA Standard 370/66 in R1

DIMENSIONS



K = 200 mm minimum for filter withdrawal if the suspended ceiling structure is under the removable panel.

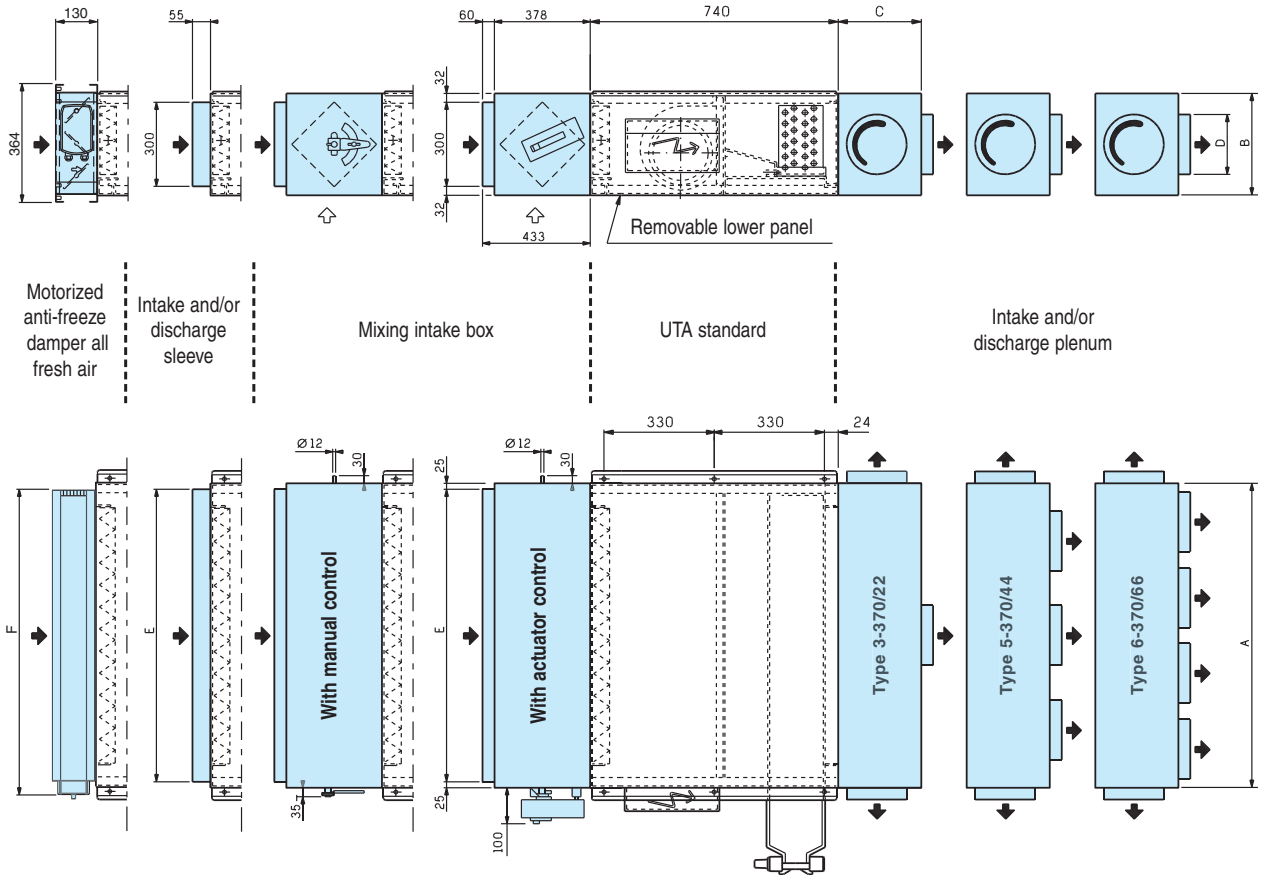


UTA Standard	C	E	F	G	Mass kg	Dimensional drawing
370/22	700	780	726	975	55	5975893
370/44	1200	1280	1226	1475	86	
370/66	1600	1680	1626	1875	115	

Coil contents (litres)

UTA Standard		370/22	370/44	370/66
2-pipe system	Cold water or hot water coil	2,16	3,60	5,14
	Cold water coil	2,16	3,60	5,14
4-pipe system	Hot water coil	0,90	1,16	1,66

ACCESSORIES



Max. recommended air flow per outlet:

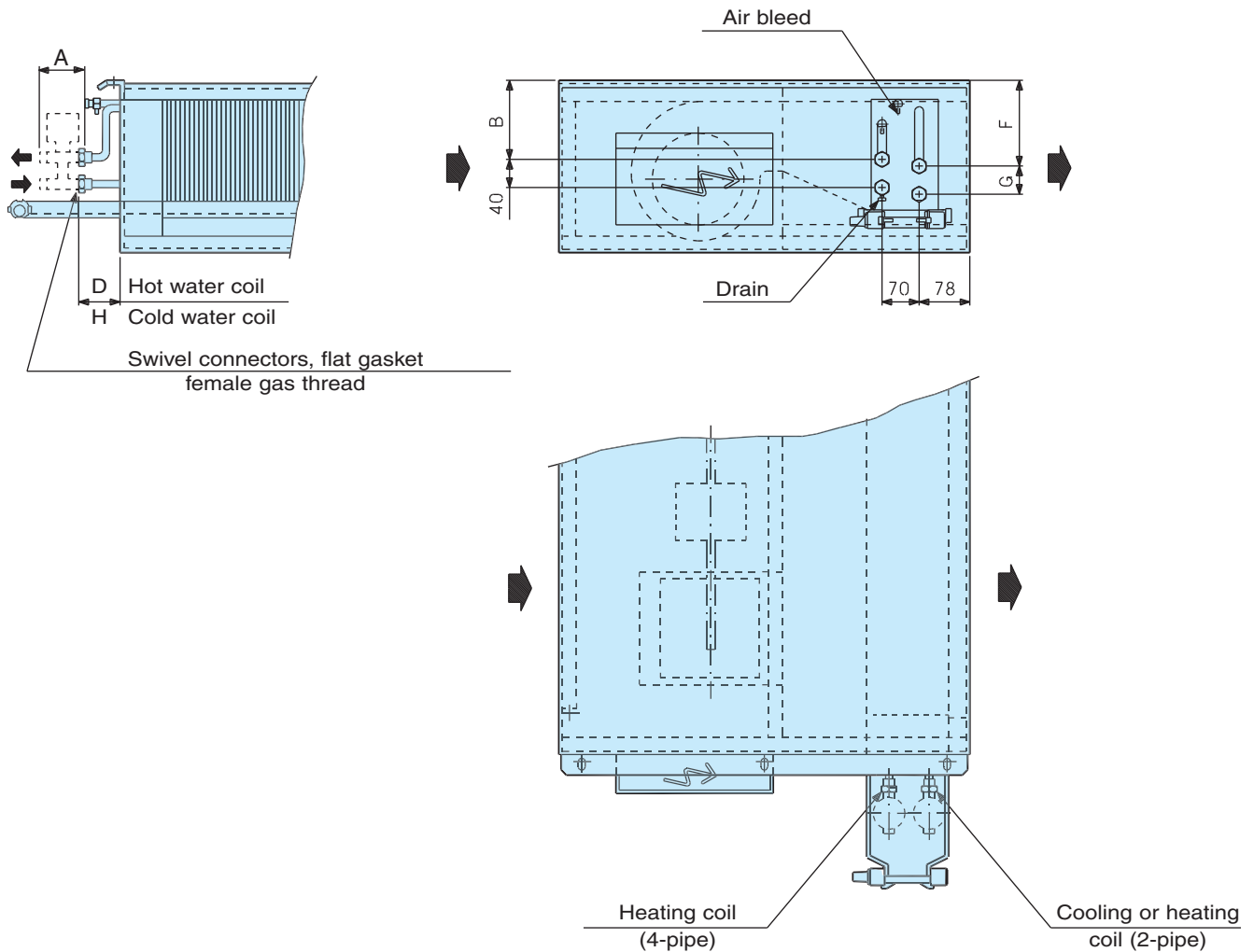
- Ø 200: 400 m³/h

- Ø 250: 600 m³/h

(See brochure for aeraulic balance)

UTA standard	370/22	370/44		370/66
Outlets number	3	5		6
Type	3	5		6
A	620	1120		1520
B	370	370		370
C	270	270	330	330
D ø nom.	200	200	250	250
E	650	1150		1550
F	785	1285		1685
Plenum mass (kg)	9	14	16	21
Box mass (kg)	20	30		38

HYDRAULIC CONNECTIONS



UTA	Coil		"Female" coil connectors with rotating bolt	"Male" threaded valve connectors V2000®	A	"Male" threaded valve connectors RTR, V30 et V200	A
370/22	2-pipe	hot water or cold water circuit	G 1/2"	G 1/2"	60	G 1/2"	60
	4-pipe	hot water circuit	G 1/2"	G 1/2"	60	G 1/2"	60
		cold water circuit	G 1/2"	G 1/2"	60	G 1/2"	60
370/44	2-pipe	hot water or cold water circuit	G 3/4"	G 3/4"	65	G 3/4"	65
	4-pipe	hot water circuit	G 3/4"	G 3/4"	65	G 3/4"	65
		cold water circuit	G 1/2"	G 1/2"	60	G 1/2"	60
370/66	2-pipe	hot water or cold water circuit	G 3/4"	G 3/4"	65	G 3/4"	65
	4-pipe	hot water circuit	G 3/4"	G 3/4"	65	G 3/4"	65
		cold water circuit	G 3/4"	G 3/4"	65	G 3/4"	65









UTA	4-pipe hot water coil		2-pipe hot or cold water coil		
	B	D	F	G	H
370/22	208	48	216	40	48
370/44	208	48	192	40	67
370/66 (1)	194	48	128	40	67

(1) New coil with 40 mm centre distance and 3/4" diameter pipes as standard on UTA 370/66.

Basic unit with fan motor assembly unit and electric heater elements (if required) connected to terminal block without relay, equipped with a Eurovent G4 class filter.

UTA Standard	Water coil only				Water coil + electric heater				All electric battery (electrical box on the left)		
	Connector on the left		Connector on the right		Connector on the left		Connector on the right		6R	9R	
	2-pipe system	4-pipe system	2-pipe system	4-pipe system	2-pipe + 2 wire system 1R	2-pipe + 2 wire system 2R	2-pipe + 2 wire system 1R	2-pipe + 2 wire system 2R			
370/22	Code	5855085	5855083	5855086	5855084	900 W 5855163	1800 W 5855145	900 W 5855164	1800 W 5855147	5400 W 5855151	8100 W 5855152
		●	●	●	●	●	●	●	●	●	●
370/44	Code	5855029	5855009	5855039	5855019	1400 W 5855080	2800 W 5855081	1400 W 5855110	2800 W 5855111	12000 W 5855155	18000 W 5855156
		●	●	●	●	●	●	●	●	●	●
370/66	Code	5855115	5855113	5855116	5855114	2300 W 5855119	4600 W 5855120	2300 W 5855122	4600 W 5855123	16800 W 5855157	25200 W 5855158
		●	●	●	●	●	●	●	●	●	●

Options

Désignation		370/22	370/44	370/66
M15	 Inlet and/or outlet rectangular smooth metal sleeve.	Code 5801816	5801818	5801819
		●	●	●
	 Inlet and/or outlet insulated plenum.	Code PL 1 5801806	PL 2 5801808 (5 x ø 200)	PL 3 5801809 (5 x ø 250)
		●	●	●
AG1	 Anti-freeze motorized all fresh air damper, with 230V on/off servomotor control for water coil application.	Code 7051148	7051149	7051150
		●	●	●
CA1	 Mixing intake box, with manual or motorised control.	Code 5801826	5801828	5801829
		●	●	●
CA2	 Mixing intake box, with 230V on/off servomotor control for water coil application.	Code 5801830	5801832	5801833
		●	●	●
SU1	 Resilient mounts supplied separately (4 per unit are required).	Code	0219453	
		●	●	
F5	 Extra- price for filter class CEN 779: F5 in replacement of standard filter G4.	Code E044962	E044970	E044989
		●	●	●
	 Extended condensate pan collects condensates beneath the fittings.	Code	7158842	
		●	●	

Nota: condensates draining pump, consult us.