

TERMILA UNITS

UTA-A / UTAH.A

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UTA-A - UTAH-A

Ductable direct expansion

fan coil units

6 ÷ 49,3 kW



UTA-A

Direct expansion air handler (cooling only)

UTAH-A

Direct expansion air handler (heat pump).

Compact, easy-to-install units for residential and commercial applications. Especially suitable for suspended ceiling installation with duct system or air delivery directly into room.

Unit frame

Models 21 to 81: in galvanized steel sheet with internal soundproofing and thermal insulation.

Models 91 to 161: frame in anodized aluminium sections and panels with internal soundproofing and thermalinsulation.

Refrigerant circuit

With charge connection, thermostatic expansion valve, flare couplings with shut-off valves (models 21 to 81), welded connections (models 91 to 161), bypass with check valve for heat pump operation.

Coil

Air treatment coil with copper tubes and aluminium fins, fitted with condensate drain pan. EU3 air filter.

Fans

Models 21 to 81: centrifugal fan directly coupled to single-phase three-speed motor

Models 91 to 161: centrifugal fan coupled to three-phase motor with single speed belt/pulley drive.

Electrical panel

Models 21 to 81: comprises power board for fan operation with terminal board for connection to power supply and thermostat.

Testing

The units are supplied with the refrigerant circuit filled with nitrogen.

MAIN ACCESSORIES

- Hot water heating coil
- Electric heating coil
- Delivery outlet (models 21 to 81)
- Mixing plenum (models 21 to 81)
- Low noise delivery plenum
- Increased fan available pressure (models 91 to 161)
- Electrical panel (models 91 to 161) consisting of main switch, fan protection device, fan contactor
- Room thermostat (necessary for correct operation) with the following functions: on/off, cooling, heating, electric heating or ventilation only.

Can be used in combination with **NETTUNO/LE** condensing units.

UTA-A - UTAH-A - R407C TECHNICAL DATA

Unit size		21	31	36	41	61	81
Tot. nom. cooling capacity (*) UTA - UTAH	kW	6,0	9,2	10,8	13,1	16,0	19,3
Nominal sensible cooling capacity (*) UTA - UTAH	kW	4,4	6,8	8,0	9,7	11,8	14,3
Nominal heating capacity (**) UTAH	kW	5,7	8,7	10,4	12,5	15,2	18,6
Fans							
Air flow	m ³ /s	0,29	0,486	0,542	0,722	0,847	0,958
Available static pressure	Pa	70	125	90	167	120	95
No. of fan motors x installed power	n° x kW	1 x 0,09	1 x 0,42	1 x 0,42	1 x 0,60	1 x 0,60	1 x 0,60
Power supply	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Finned coil							
Number of rows	n°	3	4	5	3	4	5
Front surface	m ²	0,200	0,200	0,200	0,386	0,386	0,386
Electric heaters							
Nominal capacity	kW	1,5	1,5	1,5	5,0	5,0	5,0
Power supply	V/ph/Hz	230/1N/50	230/1N/50	230/1N/50	400/3/50	400/3/50	400/3/50
Hot water coil							
Nominal capacity	kW	10,8	13,7	15	22,3	25	27,8
Water side pressure drop	Pa	9	14	17	12	15	18
Noise level (***)	dB(A)	40	45	45	47	47	48
Dimensions and weight							
Width	mm	855	855	855	1305	1305	1305
Depth	mm	650	650	650	700	700	700
Height	mm	295	295	295	345	345	345
Operating weight	kg	38	44	46	66	68	70

Unit size		91	101	141	161
Tot. nom. cooling capacity (*) UTA - UTAH	kW	23,6	33,5	41,5	49,3
Nominal sensible cooling capacity (*) UTA - UTAH	kW	17,5	24,8	30,7	36,5
Nominal heating capacity (**) UTAH	kW	22,9	34,2	39,9	47,4
Fans					
Air flow	m ³ /s	1,25	1,764	2,194	2,597
Available static pressure	Pa	72	80	72	82
No. of fan motors x installed power	n° x kW	1 x 0,75	1 x 1,1	1 x 1,1	1 x 1,5
Power supply	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50
Finned coil					
Number of rows	n°	3	4	4	4
Front surface	m ²	0,880	0,880	1,040	1,040
Electric heaters					
Nominal capacity	kW	5,0	5,0	10,0	10,0
Supply	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50
Hot water coil					
Nominal capacity	kW	44,1	54	65,3	71,7
Pressure drop	Pa	9	13	9	11
Noise level (#)	dB(A)	60	66	63	67
Dimensions and weight					
Width	mm	1820	1820	1820	1820
Depth	mm	1145	1145	1145	1145
Height	mm	800	800	800	800
Operating weight	kg	135	145	160	165

(*) Air temperature inside coil 26 °C DB 19 °C WB; saturated evaporation temperature 7 °C.

(**) Air temperature 20 °C ; saturated condensation temperature 45 °C.

(***) Sound pressure values measured with ducted air inlet and delivery (3 m long duct clad with 25 mm layer of sound absorbing material, density 30 kg/m³), in free field conditions with noise meter 1 m from the unit on the refrigerant connections side at minimum speed.

(#) Sound pressure values measured with non-ducted air inlet and delivery, in free field conditions with noise meter 1 m from unit, inlet filters side.

This datasheet gives the characteristic data of the basic and standard versions of the series; for details refer to the specific documentation



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