

FCU VISUAL 360° EPURE (4V_EP)
HEATING/COOLING, 4 PIPES (STANDARD) (4T)

TEMPERATURES	COOLING COIL	HEATING COIL
Fluid	<i>Water</i>	<i>Water</i>
Fluid inlet temperature	9 °C	70 °C
Fluid outlet temperature	14 °C	50 °C
Recycled air inlet temperature	25 °C	21 °C
Recycled air inlet humidity	50 %(RH)	50 %(RH)
Room temperature	24 °C	20 °C

						COOLING COIL					HEATING COIL				Lp
<i>SERIE</i>	R#	U	N	Pabs	Qa	Pt	Ps	Ts	Qe	dP	P	Ts	Qe	dP	<i>ISO</i>
Size		Volt	rpm	W	m3/h	W	W	°C	m3/h	kPa	W	°C	m3/h	kPa	<i>or NR</i>
624 HEE	V5	6,7	1035	38	590	1 790	1 730	16,3	0,307	7,43	2 700	34,9	0,119	6,00	42
	V4	4,9	770	17	420	1 370	1 330	15,5	0,236	4,56	2 240	37,0	0,0986	4,32	34
	V3	4,2	670	12	360	1 220	1 180	15,1	0,210	3,68	2 060	38,3	0,0907	3,73	30
	V2	3,4	555	8	290	1 050	1 000	14,6	0,181	2,80	1 860	40,4	0,0821	3,14	25
	V1	2,5	430	5	215	966	842	13,3	0,166	2,39	1 740	45,2	0,0766	2,78	18
634 HEE	V5	7,9	1205	56	775	3 070	2 780	14,4	0,527	12,9	3 040	32,9	0,134	6,74	44
	V4	6,7	1035	38	660	2 640	2 370	14,3	0,453	9,71	2 740	33,6	0,121	5,63	40
	V3	5,3	835	21	525	2 130	1 900	14,1	0,366	6,54	2 380	34,8	0,105	4,41	34
	V2	4,6	735	15	460	1 890	1 680	14,0	0,324	5,22	2 210	35,5	0,0973	3,85	30
	V1	4,1	655	11	405	1 690	1 500	13,9	0,289	4,22	2 070	36,4	0,0912	3,44	27

CONDITIONS :

- *Assembly: Without / Accessories: Without*
- **Hydraulic installation : 2 separate pumps**
- **Altitude : 0 m / Pressure : 101,3 kPa**
- *Water flow and delta T with all speeds*
- *Results derived from tests as per EN 1397*
- *Electrical supply : 230 V / 1 ph / 50 Hz*
- *Technical description as per brochure N11.47*

ABBREVIATIONS :

- *R# Motor reference (Factory standard wiring in heavy characters)*
- *Qa Air flow*
- *Pt Useful total cooling output*
- *Ps Useful sensible output*
- *P Useful heating capacity*
- *Ts Air outlet temperature*
- *Qe Water flow*
- *dP Water pressure drop*
- *Lp ISO total acoustic pressure*
- *Pabs Useful absorbed*
- *U Motor control voltage*
- *N Rotation speed*

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			Frequencies (Hz) / Levels per octave (dB Lin)						Total levels	
SERIE Size	R#	Qa m3/h	125	250	500	1000	2000	4000	Lw	Lw
									dB (Lin)	dB (A)
624 HEE	V5	590	57	59	57	54	49	46	63	59
	V4	420	50	52	50	45	40	34	56	51
	V3	360	47	49	47	40	36	27	53	47
	V2	290	44	45	42	33	31	18	48	42
	V1	215	41	37	35	25	25	P<15	43	35
634 HEE	V5	775	64	63	60	56	51	51	68	62
	V4	660	60	59	56	52	47	47	64	58
	V3	525	54	54	50	43	41	32	58	51
	V2	460	50	51	47	40	38	28	55	48
	V1	405	48	49	44	37	34	23	52	45

- Electrical supply : 230 V / 1 ph / 50 Hz
- Acoustic output expressed in decibel in relation to 10E-12 Watts

- Lw (Lin) Total acoustic power level
- Lw (A) A-weighted overall sound power level
- R# Motor reference (Factory standard wiring in heavy characters)
- Qa Air flow

The sound power levels in the tables were measured in a reverberant room as per ISO 3743 (in accordance with ISO 23743). The results are given in octave bands of 125 to 4000 Hz in dB (LIN). They are related to the SUM OF SOUND POWER LEVELS generated by :

During testing, the available pressure on the terminal units is simulated using a Mylar covered box as recommended by the INCE (Institute of Noise Control Engineering of the USA)

**FCU VISUAL 360° EPURE (4V_EP)
HEATING/COOLING, 4 PIPES (STANDARD) (4T)**

			Frequencies (Hz) / Levels per octave (dB Lin)						Comfort levels		
<i>SERIE</i> Size	R#	Qa m3/h	125	250	500	1000	2000	4000	NC	ISO or NR	dB (A)
624 HEE	V5	590	45	47	45	42	37	34	39	42	47
	V4	420	38	40	38	33	28	22	31	34	39
	V3	360	35	37	35	28	24	P<15	27	30	35
	V2	290	32	33	30	21	19	P<15	22	25	30
	V1	215	29	25	23	P<15	P<15	P<15	P<15	18	23
634 HEE	V5	775	52	51	48	44	39	39	42	44	50
	V4	660	48	47	44	40	35	35	38	40	46
	V3	525	42	42	38	31	29	20	31	34	39
	V2	460	38	39	35	28	26	16	27	30	36
	V1	405	36	37	32	25	22	P<15	24	27	33

- *Electrical supply : 230 V / 1 ph / 50 Hz*
- *Acoustic pressure levels per octave band in dB(Lin)*
- *Acoustic pressure expressed in decibel in relation to 2×10^{-5} Pa*
- *dB (A) A-weighted overall sound pressure levels*
- *R# Motor reference (Factory standard wiring in heavy characters)*
- *Qa Air flow*

The sound pressure levels depend of the installation conditions. The levels given above are provided as examples only. We remind you that only sound power levels are comparable and certified.

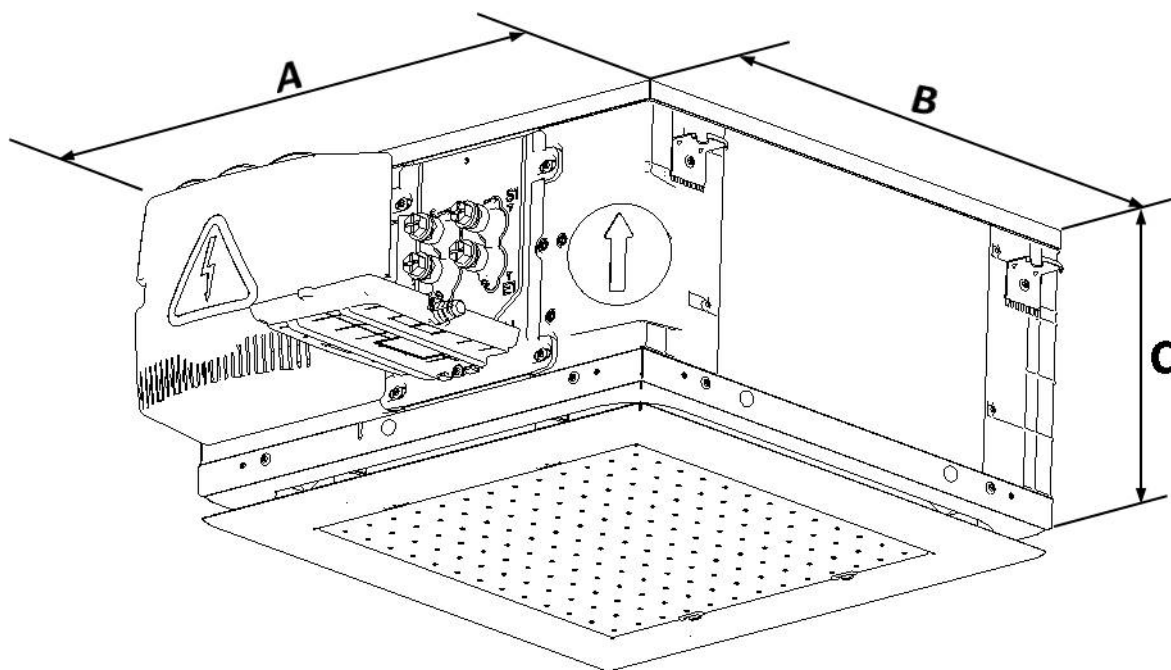
The A-weighted overall sound pressure levels are obtained with a room and installation attenuation level of:

12 dB.

When two identical units are installed in the same room, add 3 dB to the table values in order to obtain the levels produced by both units.

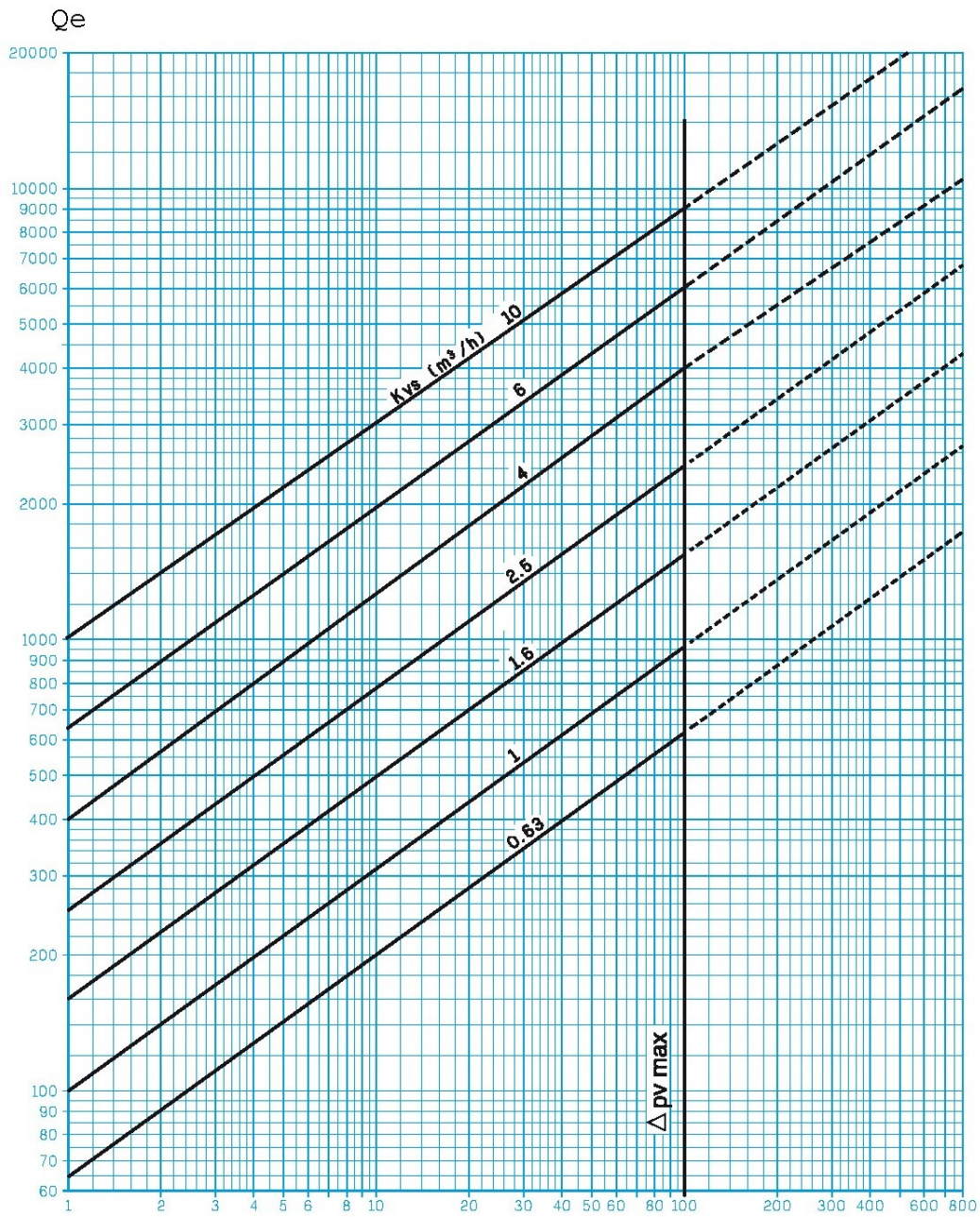
DIMENSIONS AND WEIGHT
COADIS LINE VISUAL 360° Epure (4V_EP)

Drawing not binding



FCU	A mm	B mm	C mm	Weight kg
624 / HEE	584	584	305	20,5
634 / HEE	584	584	305	22

Valve pressure drop, function water flow and Kvs



- Q_e Water flow (l/h)
- dP Water pressure drop (kPa)

Water drop is given for water only. For another liquid $dP = dP_{\text{water}} \times r/1000$ (r : liquid density)

$Dpv \text{ max}$: Acceptable maximum differential pressure on the valves on all the modes.