

HCT/IMP-C

Long-range, circular, one-way or reversible jet fans



Long range one-way or reversible jet fans with a circular design for air movement and CO extraction in car parks.

Fan:

- One-way or reversible fan unit formed by a fan, silencers, deflectors and supports.
- Adjustable impellers designed to produce great thrusts.
- Anti-contact protective grille pursuant to standard UNE-EN ISO 12499 in one-way models.
- Deflector to increase the air range on the impulsion side. Reversible models are fitted with deflectors on both sides.
- High attenuation silencers with thermal and acoustic insulation.
- Airflow direction from motor to impeller or 100% reversible.
- Circular casing in painted sheet steel.

Motor:

- IE3 efficiency motors for powers equal to or higher than 0.75kW except single-phase, 2-speed and 8-pole.
- Class F motors with ball bearings and IP55 protection. 1 or 2 speeds, depending on model.
- Three-phase 230/400V-50Hz.
- Maximum temperature of air to be carried: -20°C+ 40°C.

Finish:

- Anti-corrosive finish of polyester resin polymerised at 190 °C, previously degreased with phosphate-free nanotechnological treatment.

On request:

- Thrust features different from those indicated.
- Version approved for smoke exhaust in accordance with standard EN 12101-3 (see THT/IMP series).
- INT series safety switch built into the fan.

Order code

HCT/IMP-C	—	UNI	—	31	—	2/4T	—	1.5
↓		↓		↓		↓		↓
Long-range, circular, one-way or reversible jet fans		Airflow direction UNI: One-way REV: Reversible		Impeller diameter in cm		Number of motor poles: 2=2900r/min. 50Hz 4=1400 r/min. 50Hz	T= Three-phase	Motor power (HP)

Technical characteristics

ONE-WAY

Model	Speed (r/min)	Maximum current (A) (A)	Flow rate (m3/h)	Thrust (N)	Impulsion speed (m/s)	Installed power (kW)	Sound pressure LpA at 10 m dB(A)	Approx. weight (kg)
HCT/IMP-C-UNI-31-2/4T	2860 / 1430	1.50 / 0.55	4260 / 2130	21/ 5	15.6 / 7.8	0.55 / 0.15	51 / 36	65
HCT/IMP-C-UNI-35-2/4T	2875 / 1430	2.10 / 0.80	6360 / 3180	36/ 9	17.8 / 8.9	0.85 / 0.20	52 / 37	70
HCT/IMP-C-UNI-38-2/4T-1.5	2900 / 1450	2.90 / 1.10	8450 / 4225	57/ 15	20.7 / 10.3	1.10 / 0.25	47 / 32	89
HCT/IMP-C-UNI-40-2/4T-1.5	2900 / 1450	2.90 / 1.10	9250 / 4625	60/ 15	20.4 / 10.2	1.10 / 0.25	53 / 38	98
HCT/IMP-C-UNI-45-2/4T-2	2940 / 1460	4.40 / 1.40	10800 / 5400	62/ 15	18.1 / 9.0	1.50 / 0.37	57 / 42	132
HCT/IMP-C-UNI-45-2/4T-3	2930 / 1450	5.70 / 1.80	13200 / 6600	92/ 23	22.1 / 11.0	2.20 / 0.60	58 / 43	133
HCT/IMP-C-UNI-50-2/4T-6	2930 / 1450	10.00 / 3.20	19700 / 9850	165/ 41	26.4 / 13.2	4.50 / 1.30	60 / 45	220

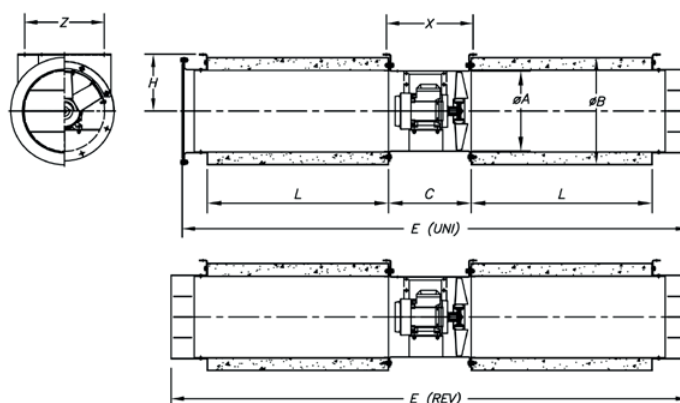
Technical characteristics

REVERSIBLE

Model	Speed (r/min)	Maximum current (A) (A)	Flow rate (m ³ /h)	Thrust (N)	Impulsion speed (m/s)	Installed power (kW)	Sound pressure LpA at 10 m dB(A)	Approx. weight (kg)
HCT/IMP-C-REV-31-2/4T	2860 / 1430	1.50 / 0.55	3840 / 1920	17 / 4	14.1 / 7.0	0.55 / 0.15	50 / 35	63
HCT/IMP-C-REV-35-2/4T	2875 / 1430	2.10 / 0.80	5940 / 2970	31 / 8	16.7 / 8.3	0.85 / 0.20	51 / 36	70
HCT/IMP-C-REV-38-2/4T-2	2940 / 1460	4.40 / 1.40	8200 / 4100	54 / 14	20.1 / 10.0	1.50 / 0.37	49 / 34	91
HCT/IMP-C-REV-40-2/4T-2	2940 / 1460	4.40 / 1.40	9250 / 4625	60 / 15	20.4 / 10.2	1.50 / 0.37	52 / 37	100
HCT/IMP-C-REV-45-2/4T-2	2940 / 1460	4.40 / 1.40	10300 / 5150	56 / 14	17.2 / 8.6	1.50 / 0.37	56 / 41	131
HCT/IMP-C-REV-45-2/4T-3	2930 / 1450	5.70 / 1.80	12800 / 6400	87 / 22	21.4 / 10.7	2.20 / 0.60	57 / 42	133
HCT/IMP-C-REV-50-2/4T-6	2930 / 1450	10.00 / 3.20	19000 / 9500	153 / 38	25.4 / 12.7	4.50 / 1.30	60 / 45	267

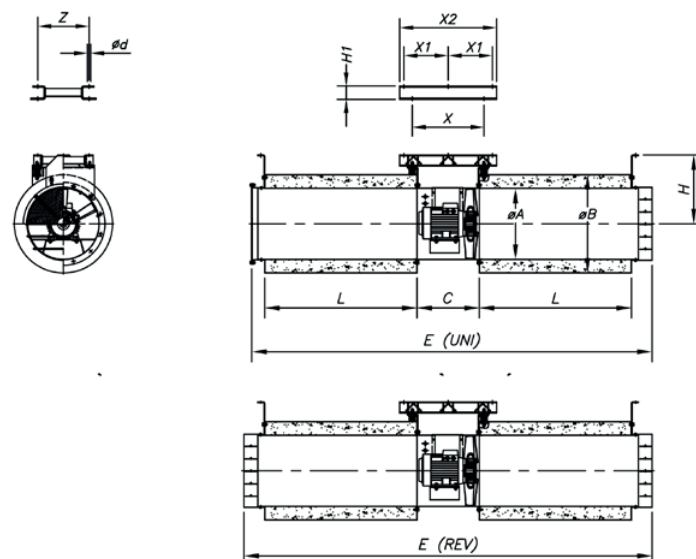
Dimensions mm

HCT/IMP-C- 31...45



Model	ØA	ØB	C	L	Ød	E (UNI)	E (REV)	H	X	Z
HCT/IMP-C-31	315	415	320	700	10	1956	2000	220	345	275
HCT/IMP-C-35	355	460	325	700	12	1960	2005	250	346	300
HCT/IMP-C-38	380	460	340	1000	12	2570	2620	250	530	517
HCT/IMP-C-40	410	510	340	950	12	2485	2540	280	376	340
HCT/IMP-C-45	460	630	360	950	12	2500	2554	355	396	440

HCT/IMP-C- 50



Model	ØA	ØB	C	L	Ød	E (UNI)	E (REV)	H	H1	X	X1	X2	Z
HCT/IMP-C-50	514	710	450	1100	12	2895	2950	498	80	518	320	700	370