



CENTRIFUGAL FANS CXRT Series

NEW



Description

Range of single inlet centrifugal fans with direct drive, equipped with four-pole three phase motors.

They are designed to drive hot air up to a temperature of 80 °C.

The scroll can be positioned in three positions (RD0, RRD90 or RD270), and is supplied as standard in RD0 version.

Under request, it is possible to supply a special version for LG0, LG90 or LG270 position.

Applications

The CXRT range is suitable for a number of industrial applications such as:

- Ventilation of workshops
- Localised extraction
- Machine cooling
- Industrial kitchens

i • CENTRIFUGAL FANS WITH BACKWARD CURVED BLADES
• HIGH PERFORMANCE

Construction

The "CXRT" range is supplied as standard with a galvanised steel plate housing mounted with the Pittsburg system in order to ensure a tight, rigid joint.

Centrifugal impellers with welded, backward curved blades. They are painted and designed to achieve maximum performance with a minimum sound level.

The motors are:

- Three phase 230/400V 50Hz (up to 3kW) 400V 50Hz.
- IP 55, Class F.
- With thermal protection
- Under request: 4/8 pole motors

Technical characteristics

Type	Speed (r.p.m.)	Motor power (kW)	Rated current (A)	Airflow (maximum) (m ³ /h)	Sound pressure levels (dB(A))	Temperature driven air (maximum) (°C)	Weight (kg)
CXRT/4-355	1420	0,37	1,05	3200	78	80	35,0
CXRT/4-400	1390	0,55	1,40	4700	81	80	44,0
CXRT/4-450	1410	1,1	2,60	6700	84	80	54,5
CXRT/4-500	1420	1,5	3,45	9600	86	80	68,0
CXRT/4-560	1430	3	6,50	13600	88	80	91,5
CXRT/4-630	1450	5,5	11,10	19500	93	80	132,0
CXRT/4-710	1460	11	21,50	27900	96	80	196,0

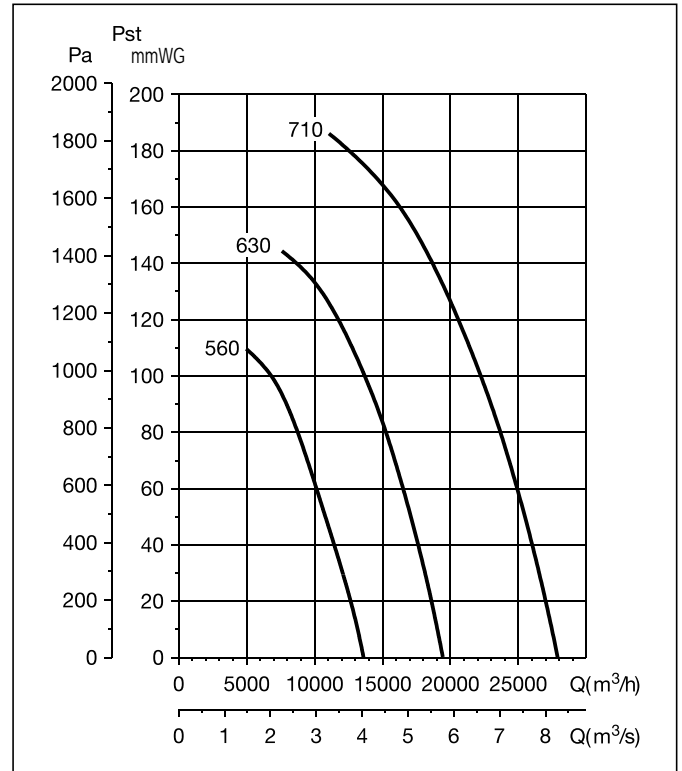
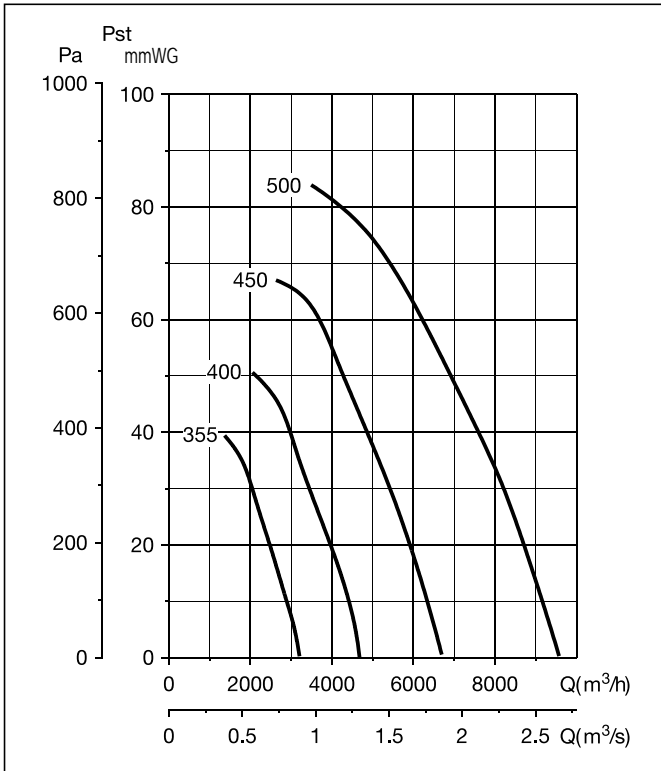
Acoustic characteristics

The sound levels shown in the table of technical characteristics and curves are sound power levels at the discharge of ducted fans. The following table give the corrections which have to be added in order to obtain the spectrums in sound power (LwA), in the discharge and inlet ducting, as well as for the radiated noise levels.

Type	Position	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
CXRT-355	Inlet	1	0	3	-4	-6	-8	-14	-17
	Discharge	2	0	1	-1	-4	-8	-10	-16
	Radiated	-9	-10	-9	-8	-11	-14	-23	-35
CXRT-400	Inlet	1	-2	2	-5	-5	-8	-15	-18
	Discharge	2	0	-2	-3	-6	-9	-11	-11
	Radiated	-7	-9	-6	-10	-10	-14	-23	-33
CXRT-450	Inlet	-2	-1	3	-3	-6	-9	-14	-17
	Discharge	2	-1	0	-3	-5	-8	-10	-13
	Radiated	-10	-8	-6	-10	-12	-16	-25	-36
CXRT-500	Inlet	-4	0	3	-5	-5	-9	-14	-17
	Discharge	1	-2	1	-4	-4	-8	-11	-16
	Radiated	-12	-7	-5	-12	-11	-16	-25	-36
CXRT-560	Inlet	-5	-2	3	-5	-4	-9	-14	-17
	Discharge	-2	-3	1	-6	-3	-8	-12	-15
	Radiated	-13	-9	-5	-12	-10	-16	-25	-36
CXRT-630	Inlet	-6	-4	1	-5	-4	-8	-14	-17
	Discharge	-5	-4	1	-8	-3	-9	-13	-14
	Radiated	-14	-11	-7	-10	-9	-14	-22	-32
CXRT-710	Inlet	-5	-6	-1	-4	-3	-9	-15	-20
	Discharge	-3	-5	0	-7	-5	-10	-14	-19
	Radiated	-13	-13	-7	-9	-8	-15	-23	-35

Characteristic curves

- Q = Flow in m³/h and m³/s.
- Pe = Static pressure in mm.c.d.a and Pa.
- Normal dry air at 20 °C and 760 mm c.d. Hg.
- Tests realised under UNE 100-212-89 BS 848, Part 1; AMCA 210-85 and ASHRAE 51-1985 Norms.



Dimensions

