

CJTXR-FE

Belt driven Ecology unit certified for 400 °C/2h, with highly robust backward curved impeller and high-efficiency electrostatic filters



Ecology unit with high-efficiency electrostatic filters, F400 certification, equipped with a backward curved impeller and belt driven, acoustically insulated, with the option of adding an activated carbon filter stage. Suitable for commercial kitchen hoods where the removal of grease particles and odours is required.

- Characteristics:**
- Self-cleaning backward curved impeller.
 - 25 mm rockwool insulation in panels.
 - Inspection hatch for maintenance.
 - Access panels for filter removal for maintenance.
 - Grease-collection tray.
 - Integrated connection box.
 - High efficiency (95% ePM1) 230 V (+/-7.5%) 50 Hz electrostatic filter.
 - Approved according to EN 12101-3, for operation outside the fire zone.

- Fan:**
- Highly robust backward curved impeller with double inlet.
 - Maximum temperature of air to be carried: S1 continuous operation +5 °C +75 °C. S2 operation: 400 °C/2h.

- Filtration stages:**
- G2 washable filter: Retains large grease particles.
 - Electrostatic filter: Removes medium and small ionized grease particles.
 - Activated carbon filter (optional): Removes low concentrations of odour particles.

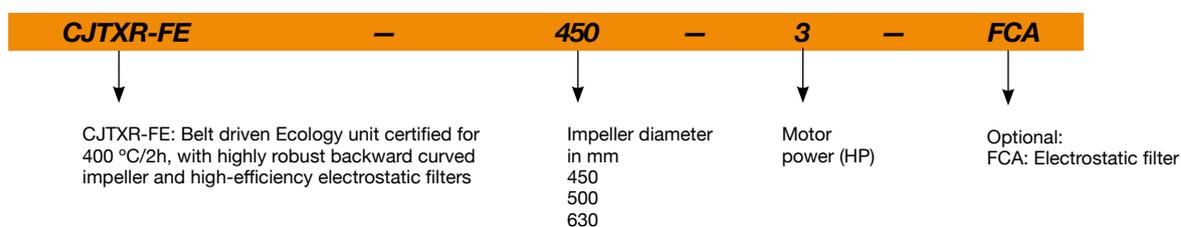
- Motor:**
- Class F motors with ball bearings and IP55 protection.
 - IE3 efficiency motors.
 - Three-phase 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
 - Working temperature: -25 °C +50 °C.

- Finish:**
- Structure in aluminum profiles and pre-lacquered outer sheet.

- On request:**
- Particle sensor for automatic control.
 - Possibility of adapting the transmission assembly to the left or right.
 - Special windings for different voltages and frequencies.

- BOXKITCHEN:**
- Motor speed control by manual selection or by optional external sensors (SI-PM2.5+VOC).
 - Integrated control system compatible with MODBUS RTU.
 - Built-in temperature sensor.
 - Filter status check.
 - WiFi.

Order code



Filter characteristics

ELECTROSTATIC FILTER

ePM1

	95%	90%	80%	70%
Filtration class EN 779	-	-	F9	F7
Air speed (m/s)	1	2	2.5	4
Air flow capacity (%)	40	50	65	100
Pressure drop (Pa)	10	17	24	64

Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)			Installed power (kW)	Maximum filter flow rate ¹ (m ³ /h)	Maximum flow rate (m ³ /h)		Sound pressure level ² dB(A)		Approx. weight (Kg)	
		230V	400V	690V			FE	FE + FCA	Inlet	FE	FE + FCA	
CJTXR-FE-450-1 IE3	950	2.82	1.62		0.75	5000	7740	6735	70	535	540	
CJTXR-FE-450-1.5 IE3	1105	4.07	2.34		1.10	5000	9165	8110	73	535	540	
CJTXR-FE-450-2 IE3	1220	5.41	3.11		1.50	5000	10250	9170	75	540	545	
CJTXR-FE-450-3 IE3	1435	7.93	4.56		2.20	5000	12235	11115	79	550	555	
CJTXR-FE-500-1.5 IE3	910	4.07	2.34		1.10	7500	10665	9405	72	685	690	
CJTXR-FE-500-2 IE3	1030	5.41	3.11		1.50	7500	12195	10905	75	685	690	
CJTXR-FE-500-3 IE3	1195	7.93	4.56		2.20	7500	14330	13000	78	695	700	
CJTXR-FE-500-4 IE3	1280	10.70	6.15		3.00	7500	15405	14055	79	700	705	
CJTXR-FE-630-3 IE3	805	7.93	4.56		2.20	15000	19550	17900	68	760	765	
CJTXR-FE-630-4 IE3	915	10.70	6.15		3.00	15000	22390	20720	71	765	770	
CJTXR-FE-630-5.5 IE3	1025	13.90	8.00		4.00	15000	25205	23520	73	770	775	
CJTXR-FE-630-7.5 IE3	1115		10.30	5.97	5.50	15000	27410	25715	75	785	790	

1. Maximum flow rate at 100% of the efficiency of the filters.

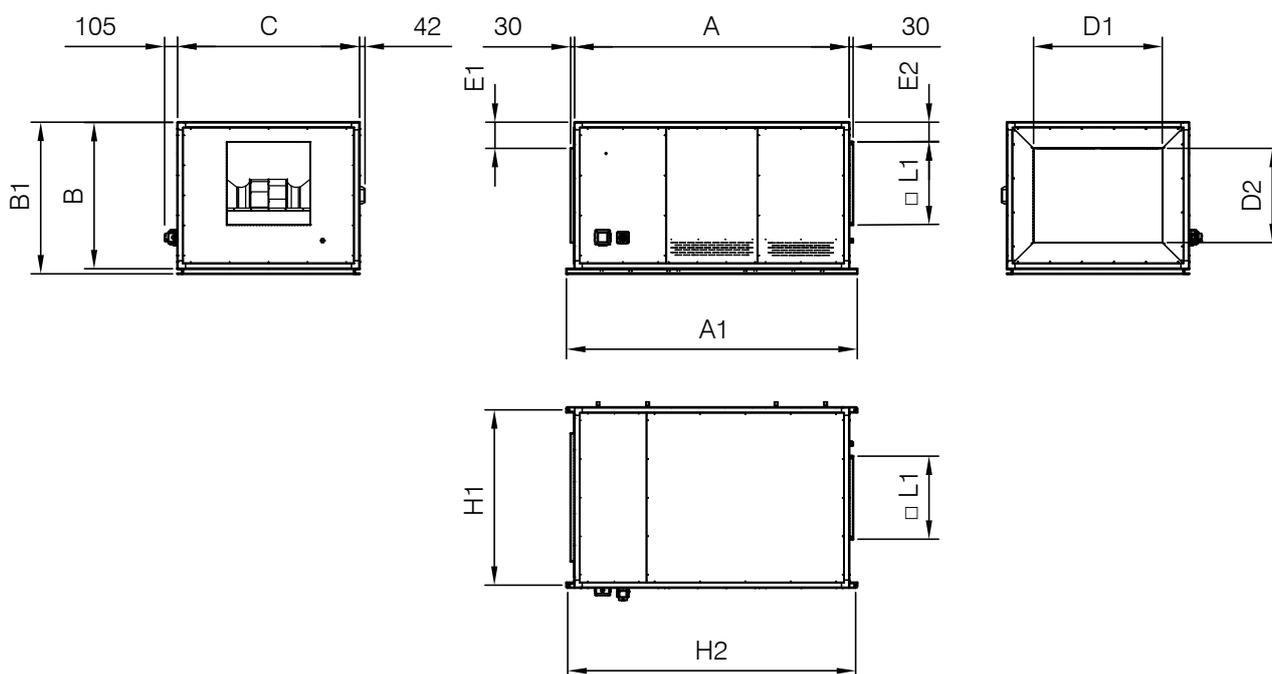
2. Sound pressure level in dB(A) at a distance of 3 m and at maximum flow rate.



Erp. (Energy Related Products)

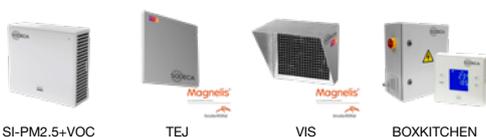
Information on Directive 2009/125/EC can be downloaded from the SODECA website or the QuickFan selector programme.

Dimensions mm



	A	A1	B	B1	C	D1	D2	E1	E2	H1	H2	L1
CJTXR-FE-450	1882	2002	951	991	1392	1067.4	629	83.8	161	1352	1969	571.2
CJTXR-FE-500	2104	2224	1129	1169	1392	1067.4	807	152.4	161	1352	2191	641.2
CJTXR-FE-630	2221	2341	1461	1501	1831	1506.4	1139	240.4	161	1791	2308	801.2

Accessories

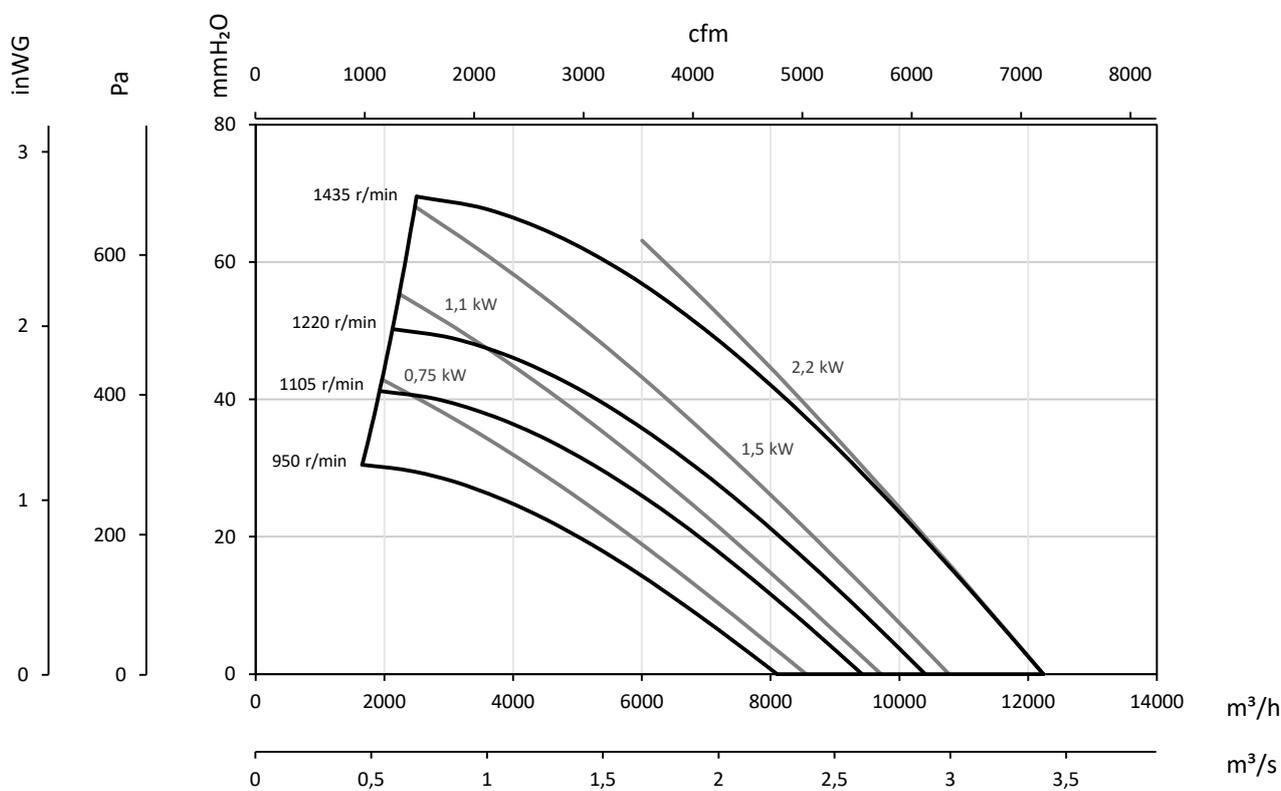


Characteristic curves

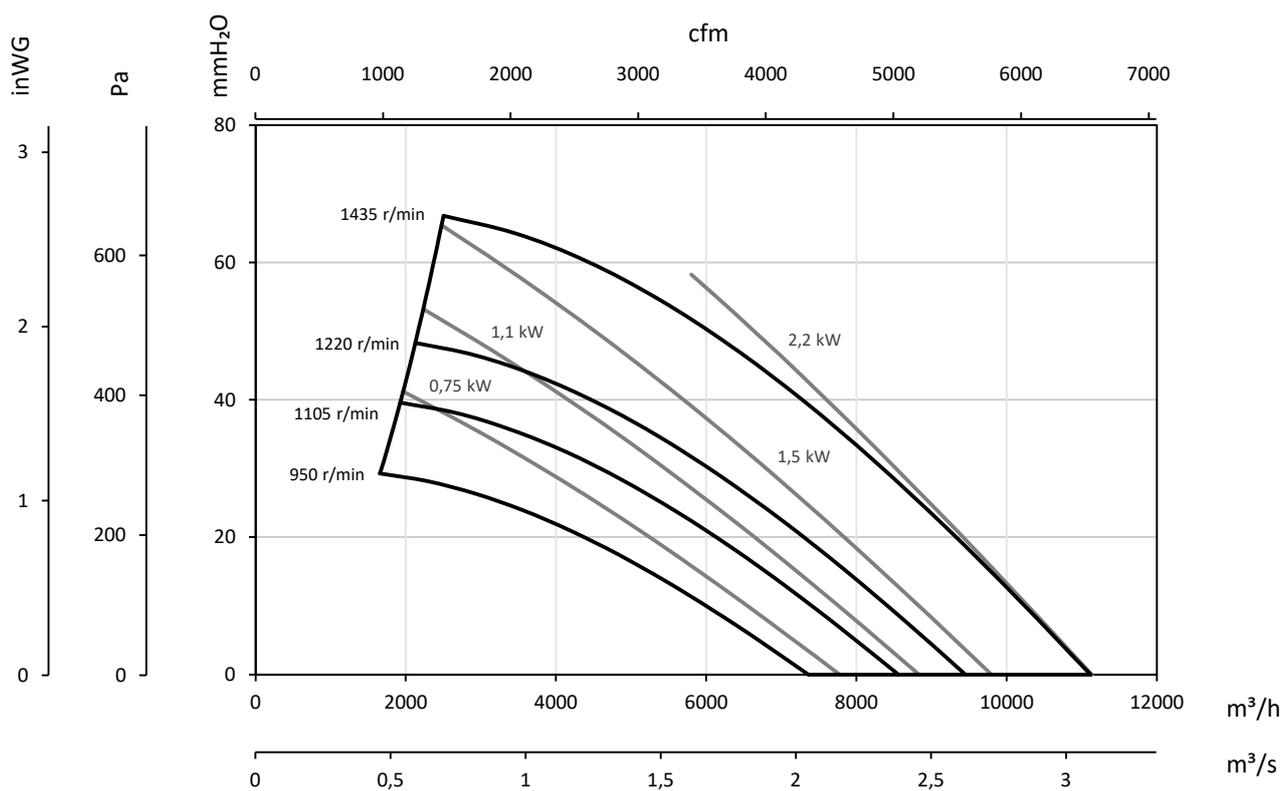
Q= Flow rate in m³/h, m³/s and cfm

Pe= Static pressure in mm H₂O, Pa and inWG

CJTXR-FE-450



CJTXR-FE-450-FCA

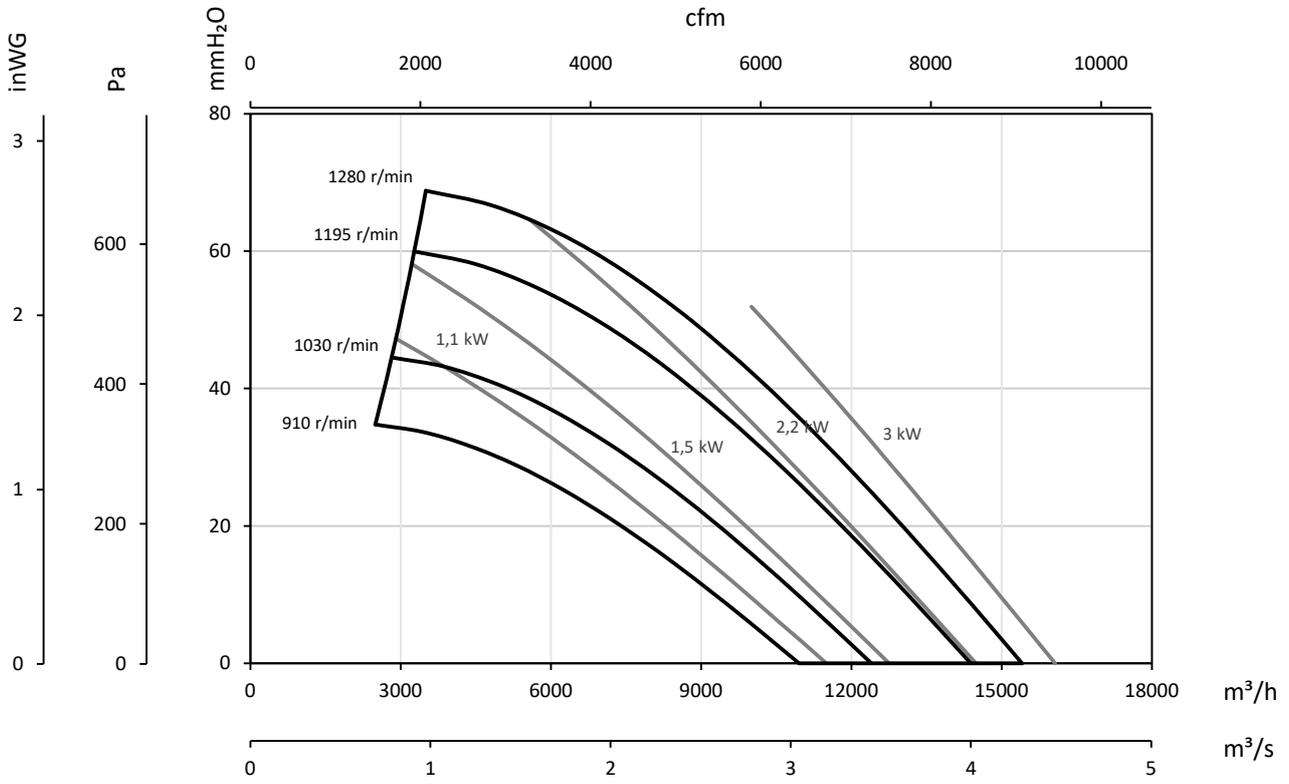


Characteristic curves

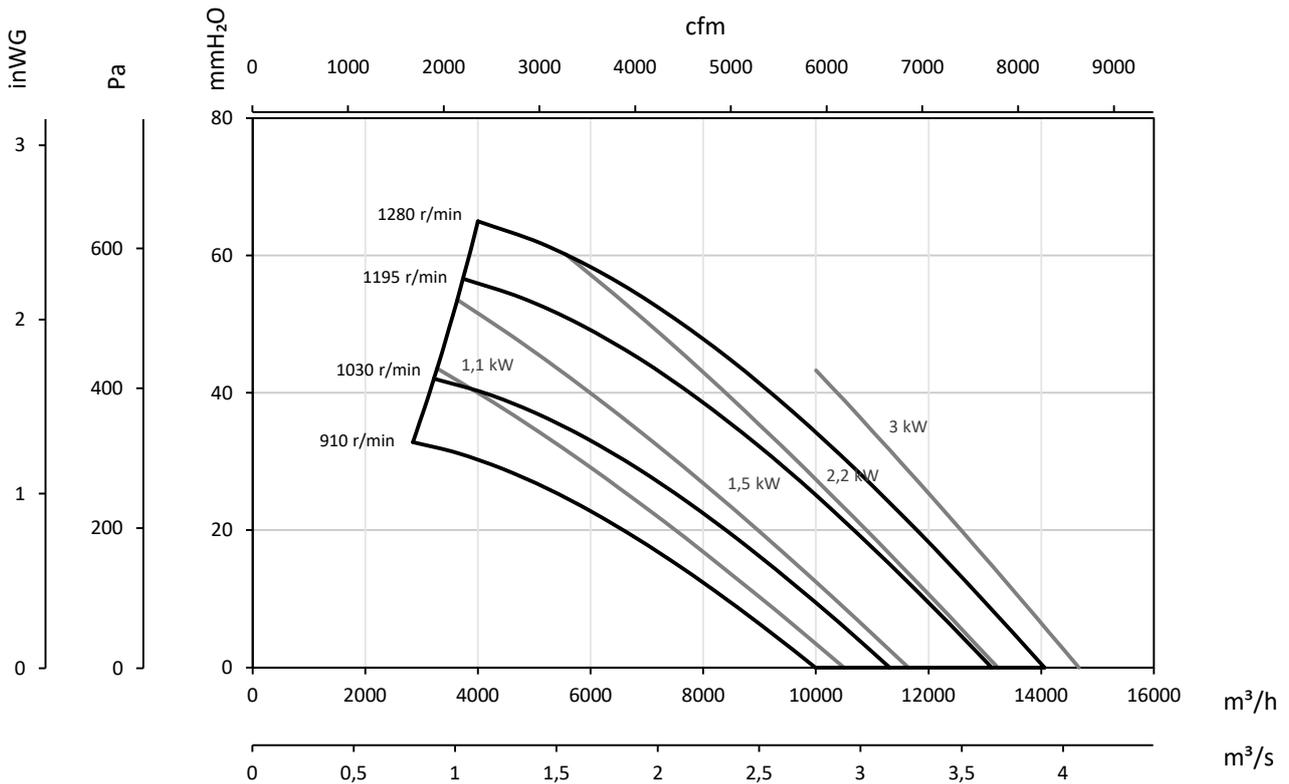
Q= Flow rate in m³/h, m³/s and cfm

Pe= Static pressure in mm H₂O, Pa and inWG

CJTXR-FE-500



CJTXR-FE-500-FCA

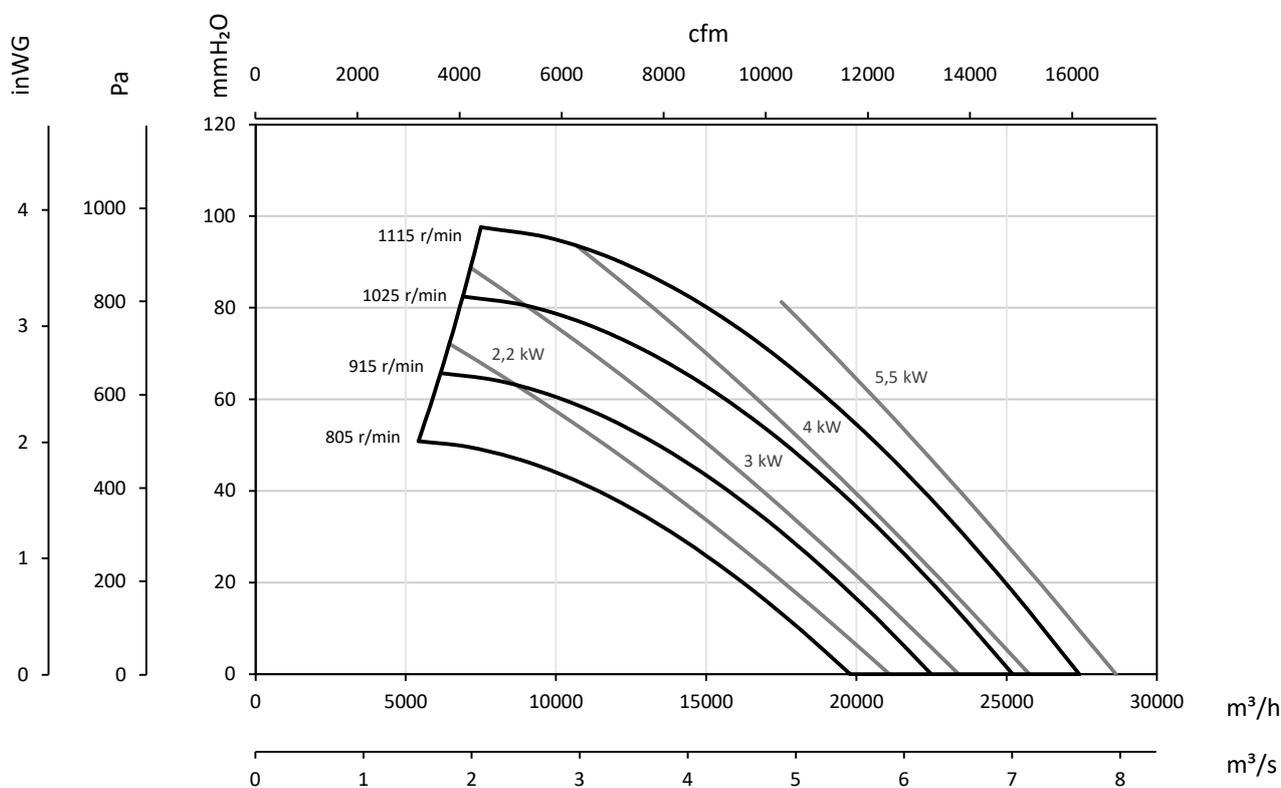


Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm

Pe= Static pressure in mm H₂O, Pa and inWG

CJTXR-FE-630



CJTXR-FE-630-FCA

