

# CKDR

**F400 extractor fan units with a large door for ease of maintenance and 40 mm acoustic insulation slab**



#### Fan:

- Galvanised sheet steel structure.
- 40 mm acoustic insulation.
- Backward curved impeller made of sheet steel.
- Approved in accordance with standard EN 12101-3, with certificate no.: 0370-CPR-2358.
- Changeable opening door direction thanks to its interchangeable hinges.
- Adjustable in different positions.
- Prepared for continuous work at 120 °C.
- Motor cover accessory (CM) supplied with fan.

#### Motor:

- Motors with IE3 efficiency for powers equal to or greater than 0.75 kW, except single-phase, 2-speed and 8-pole.
- Class F motors with ball bearings and IP55 protection.
- Single-phase 230 V 50 Hz and three-phase 230/400 V 50 Hz.
- Working temperature: -25 °C +120 °C.

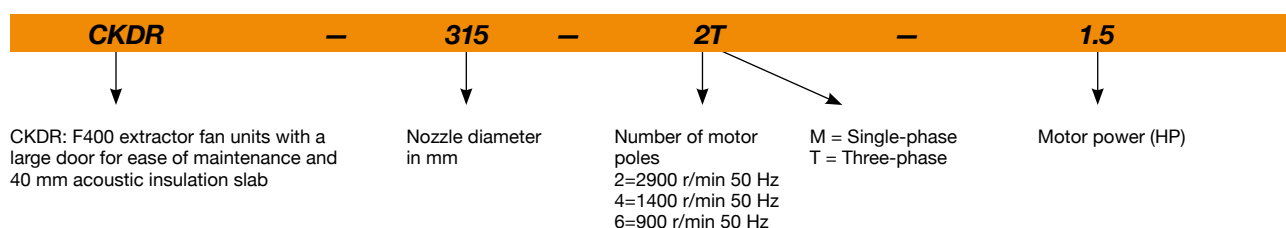
#### Finish:

- Anti-corrosive in galvanized steel sheet.

#### On request:

- Special windings for different voltages.

## Order code



## Technical characteristics

Model	Speed (r/min)	Maximum admissible current (A)		Installed power (kW)	Maximum flow rate (m³/h)	Sound pressure level dB (A)	Approx. weight (Kg)
		230V	400V				
CKDR-280-2T-1 IE3	2825	2.80	1.62	0.75	2100	71	38
CKDR-315-2T-1.5 IE3	2830	4.03	2.34	1.10	3910	72	55
CKDR-355-4T-0.5	1370	2.02	1.17	0.37	2670	60	51
CKDR-355-4M-0.5	1420	2.90		0.37	2670	60	53
CKDR-400-4T-0.75	1380	2.92	1.69	0.55	3770	56	66
CKDR-400-4M-0.75	1450	4.40		0.55	3770	56	71
CKDR-450-4T-1 IE3	1420	2.82	1.62	0.75	5020	60	77
CKDR-450-4M-1	1410	5.05		0.75	5020	60	77
CKDR-500-4T-1.5 IE3	1455	4.07	2.34	1.10	7440	62	106
CKDR-560-4T-3 IE3	1435	7.93	4.56	2.20	11030	65	123



## Erp. (Energy Related Products)

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

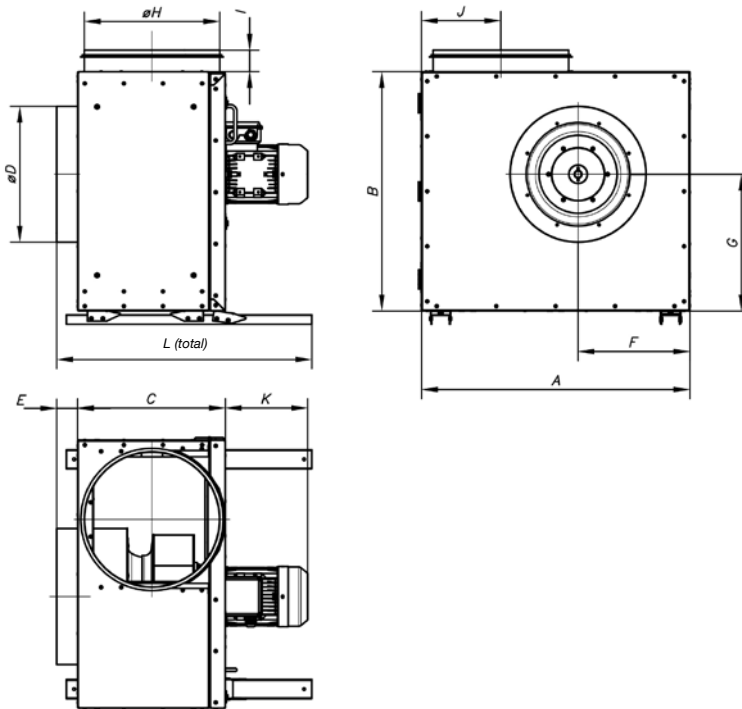
### Acoustic characteristics

The indicated values are determined by measuring the sound pressure level and sound power in dB(A) obtained in a free field at a distance equivalent to twice the size of the fan plus the impeller diameter, with a minimum of 1.5 m.

Sound power spectrum Lw(A) in dB(A) per Hz frequency band

	63	125	250	500	1000	2000	4000	8000		63	125	250	500	1000	2000	4000	8000
CKDR-280-2	53	67	73	74	76	77	73	71	CKDR-450-4	45	66	67	67	68	69	64	58
CKDR-315-2	50	67	77	77	79	79	74	71	CKDR-500-4	49	68	64	69	74	68	63	60
CKDR-355-4	43	62	64	65	68	67	61	55	CKDR-560-4	44	75	71	74	74	74	66	62
CKDR-400-4	41	60	62	63	65	64	58	53									

### Dimensions mm

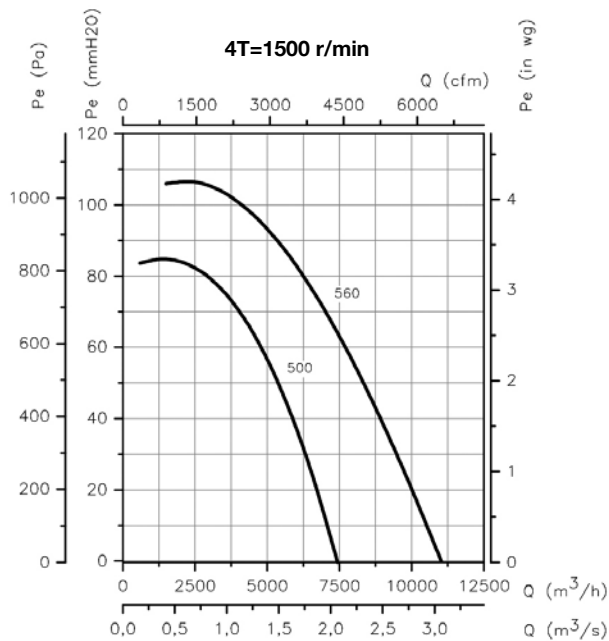
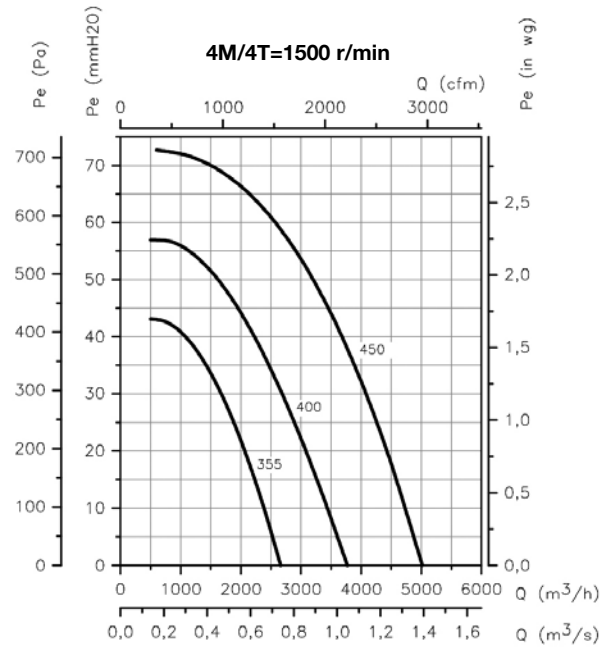
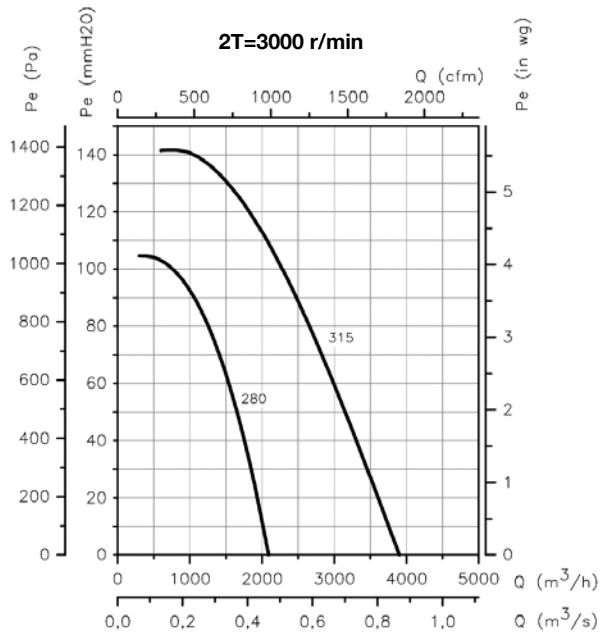


	A	B	C	$\varnothing D$	E	F	G	$\varnothing H$	I	J	K	L
CKDR-280	590	520	345	315	52	245	290	315	48	192.5	215	612
CKDR-315	700	625	385	355	55	290	356	355	56	207	215	665
CKDR-355	700	625	385	355	55	290	356	355	56	207	182	665
CKDR-400	830	775	385	355	55	354	418	355	56	212	214	660
CKDR-450	830	775	385	355	55	354	418	355	56	212	214	660
CKDR-500	1000	900	470	400	75	420	505	400	75	244	224	865
CKDR-560	1000	900	470	400	75	420	505	400	75	244	285	865

### Characteristic curves

Q= Flow rate in m<sup>3</sup>/h, m<sup>3</sup>/s and cfm

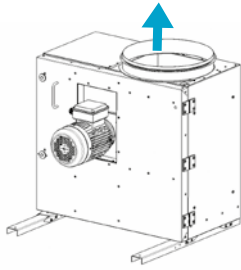
Pe= Static pressure in mm H<sub>2</sub>O, Pa and inwg



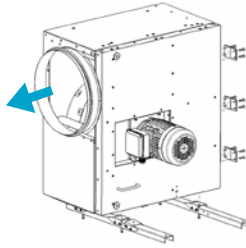
## Orientations

Standard supply: LG 0

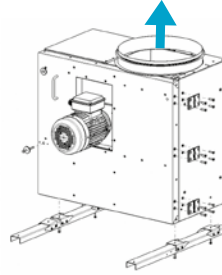
On request orientations LG 90 and LG 270. Different mounting positions are possible by modifying the feet and interchangeable hinges, depending on each need.



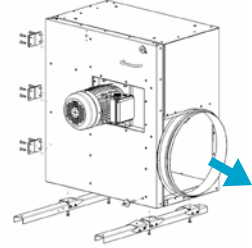
LG 0



LG 90



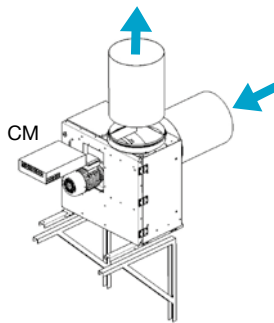
LG 0



LG 270

## Installation

The CKD/CKDR fans can be wall-mounted using angle brackets.



CM

## Accessories



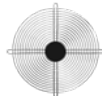
INT



RM



VSD3/A-RFT  
- VSD1/A-RFM



RT



BTUB



PT



ACE ACE/400