

# CKD CKDR



**F-400 extractor fan units with a large door for ease of maintenance and 40 mm acoustic insulation slab.**



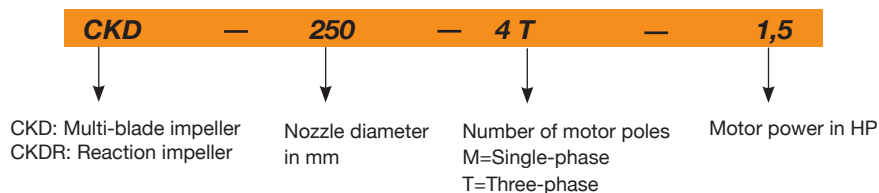
#### Fan:

- Galvanised sheet steel structure.
- 40 mm acoustic insulation slab.
- CKD: Galvanised sheet steel multiblade impeller.
- CKDR: Reaction impeller made of galvanised sheet steel.
- Approved in accordance with standard EN 12101-3, with certificate number: 0370-CPR-2358.
- Modifiable door opening direction thanks to its exchangeable hinges.
- Can be adjusted to different positions.
- Able to operate continuously at 120 °C.
- Motor cover accessory (CM) supplied with fan.

#### Motor:

- IE3 efficiency motors 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.
- Operating temperature: -25 °C +120 °C.
- Finish:
  - Anti-corrosive finish on galvanised sheet steel.
- 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)	According to ErP
		230 V	400 V					
CKD-250-4T-1.5 IE3	1455	4.07	2.34	1.1	3160	69	48	2015
CKD-280-4T-3 IE3	1435	7.93	4.56	2.2	4880	73	60	2015
CKDR-280-2T-1 IE3	2825	2.8	1.62	0.75	2090	71	38	2015
CKDR-280-2M-1	2810	4.62		0.75	2090	71	43	2015
CKDR-315-2T-1.5 IE3	2830	4.03	2.34	1.1	3900	72	55	2015
CKDR-355-4T-0.5	1370	2.02	1.17	0.37	2660	60	51	2015
CKDR-355-4M-0.5	1400	2.76		0.37	2660	60	53	2015
CKDR-400-4T-0.75	1370	2.87	1.66	0.55	3770	56	66	2015
CKDR-400-4M-0.75	1400	3.93		0.55	3770	56	71	2015
CKDR-450-4T-1 IE3	1420	2.82	1.62	0.75	5020	60	77	2015
CKDR-450-4M-1	1410	5.05		0.75	5020	60	77	2015
CKDR-500-4T-1.5 IE3	1455	4.07	2.34	1.1	7440	62	106	2015
CKDR-560-4T-3 IE3	1435	7.93	4.56	2.2	11030	65	123	2015



**Erp. (Energy Related Products)**

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

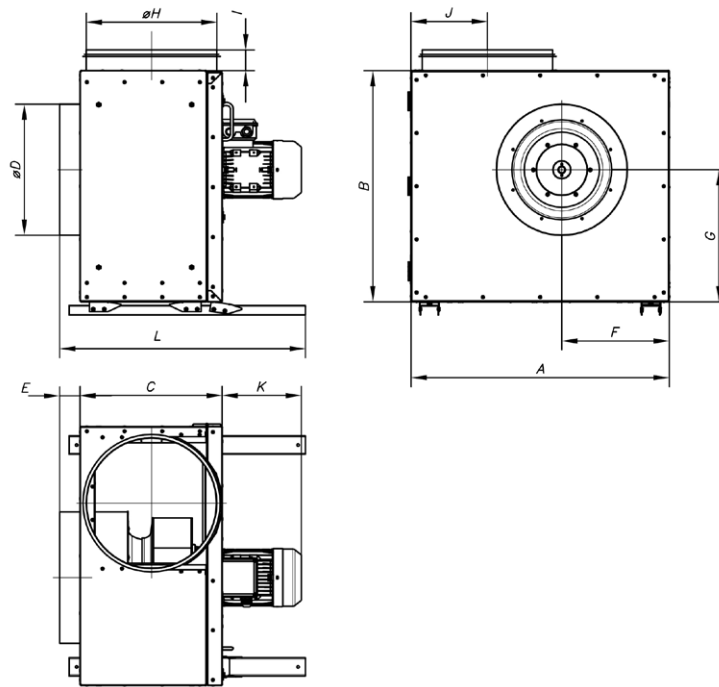
**Acoustic characteristics**

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. Values taken during exhaust with average flow rate

Model	63	125	250	500	1000	2000	4000	8000	Model	63	125	250	500	1000	2000	4000	8000
CKD-250-4	53	79	74	73	66	67	60	60	CKDR-400-4	41	60	62	63	65	64	58	53
CKD-280-4	53	82	78	76	70	71	63	63	CKDR-450-4	45	66	67	67	68	69	64	58
CKDR-280-2	53	67	73	74	76	77	73	71	CKDR-500-4	49	68	64	69	74	68	63	60
CKDR-315-2	50	67	77	77	79	79	74	71	CKDR-560-4	44	75	71	74	74	74	66	62
CKDR-355-4	43	62	64	65	68	67	61	55									

**Dimensions mm**

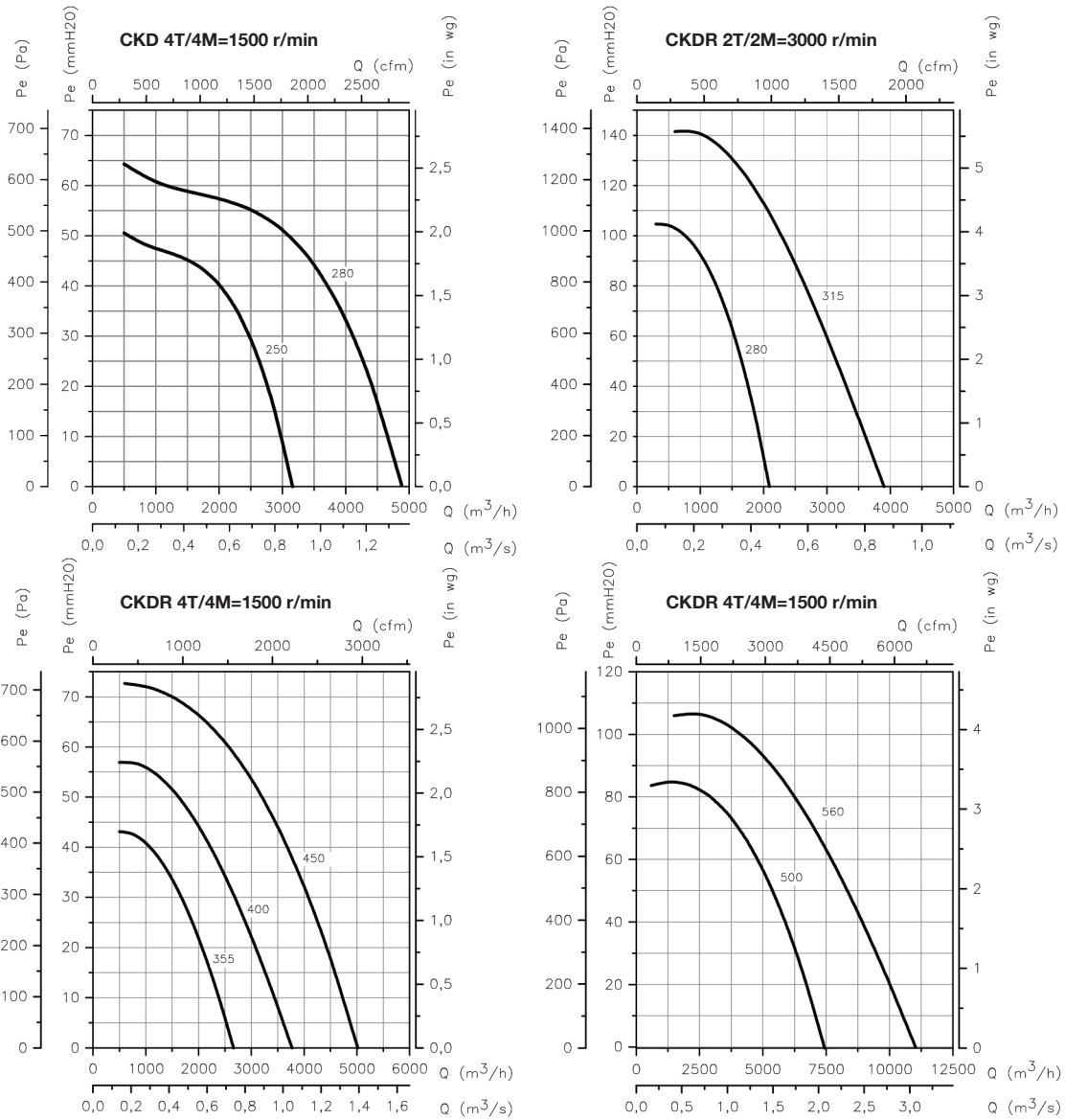


	A	B	C	ØD	E	F	G	ØH	I	J	K	L
CKD-250	590	520	260	250	50	245	290	250	48	160	223	560
CKD-280	590	520	275	315	50	245	290	250	48	160	283.5	600
CKDR-280	590	520	345	315	52	245	290	315	48	192.5	213	612
CKDR-315	700	625	385	355	55	290	356	355	56	207	213	665
CKDR-355	700	625	385	355	55	290	356	355	56	207	180	665
CKDR-400	830	775	385	355	55	354	418	355	56	212	212	660
CKDR-450	830	775	385	355	55	354	418	355	56	212	212	660
CKDR-500	1000	900	470	400	75	420	505	400	75	244	222	865
CKDR-560	1000	900	470	400	75	420	505	400	75	244	282.5	865

## Characteristic curves

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

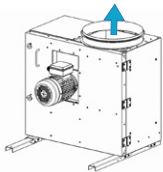
Pe= Static pressure in mm H<sub>2</sub>O, Pa and inwg



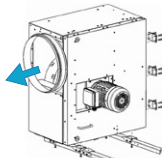
## Orientation

Standard supply LG 0

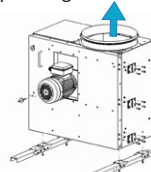
On request orientations LG 90 and LG 270. Different mounting positions are possible by modifying the feet and interchangeable hinges, depending on each need.



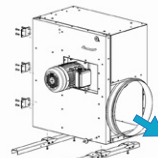
LG 0



LG 90



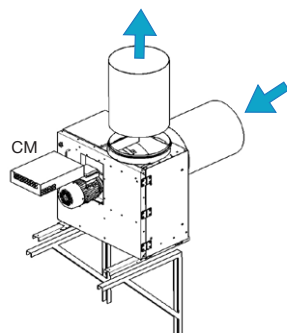
LG 0



LG 270

## Installation

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



## Accessories

