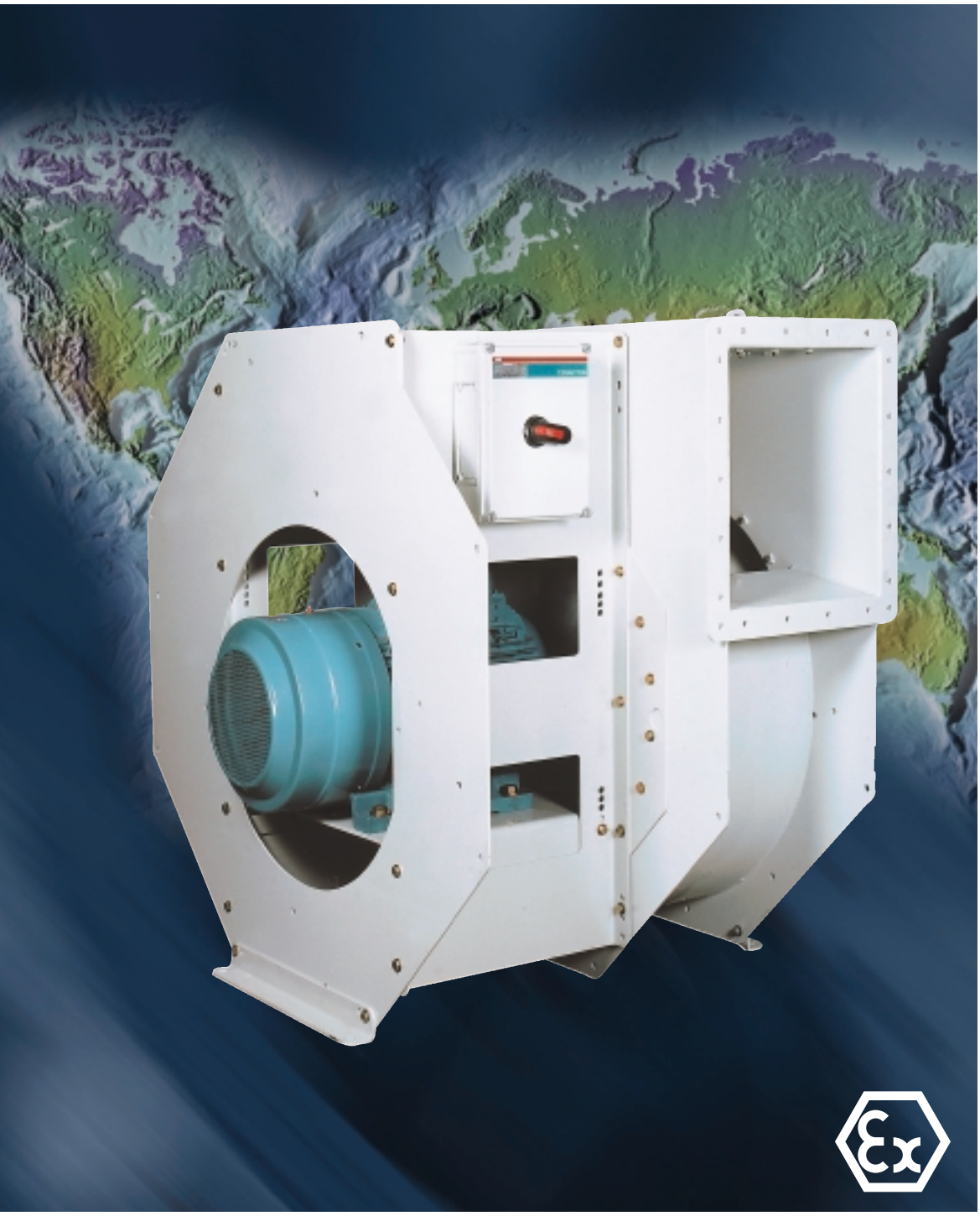
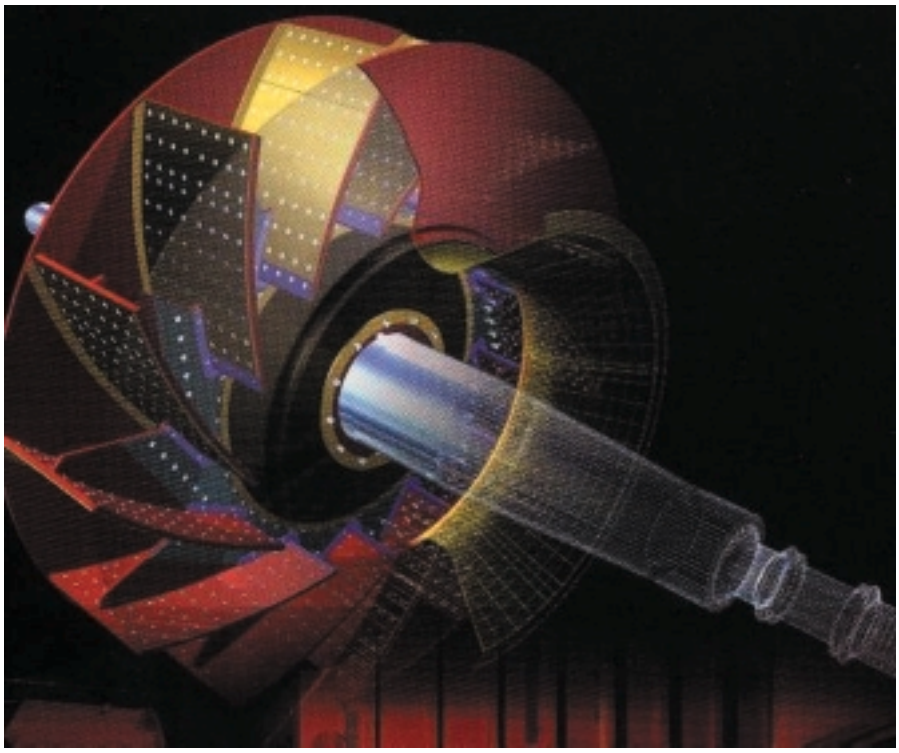
Industrial Centrifugal Fans: Centripal EU



FläktWoods

Centripal EU Fans



The Centripal EU range has been designed by Fläkt Solyvent Ventec to become the new European Reference of Centrifugal fans in the Fläkt Woods Group.

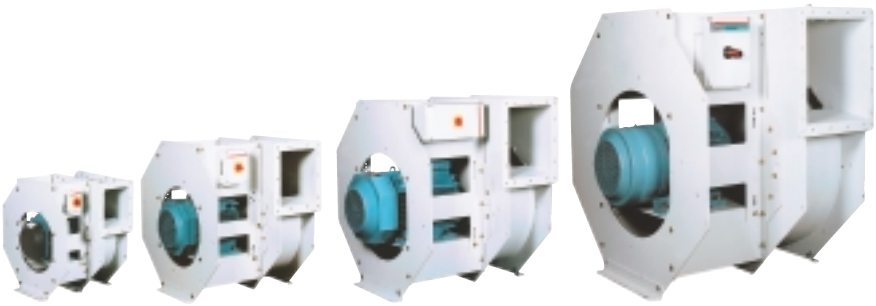
The latest innovations are reflecting the 80 years of experience of Fläkt Solyvent Ventec, strongly recognised on the market for its high performance characteristics, reaching up to 88% efficiency with airfoil blades.

The development of the range has enabled a high level of standardisation integrating all ancillaries and fittings, enabling fans to be delivered in short lead times, with a maximum of flexibility.

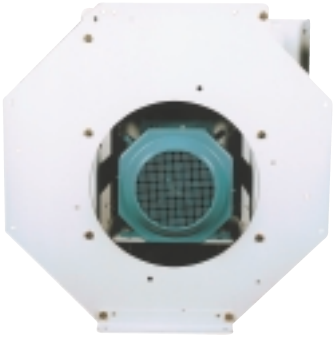
Summary

An innovative range !

A "revolutionary" centrifugal fan:



A complete range of direct drive centrifugal fans from 315 mm up to 1400 mm. An increased duty range enables a cheaper solution to be offered.



One casing to suit all arrangements: 14 different orientations available in 45° increments thanks to the octagonal casing design. Flexibility of the units for on-site modifications is achieved allowing the casing orientation or motor size to be changed.

The bolted motor support enables the impeller to be easily removed from the fan casing for ease of cleaning and maintenance!

Due to the design, stainless steel fan configurations can be made with stainless steel for all gas contact parts and mild steel for the motor support, thereby reducing the overall cost.

The large access door enables easy and efficient inspection of the impeller.

Wide openings in the motor pedestal enable easy access for cabling.

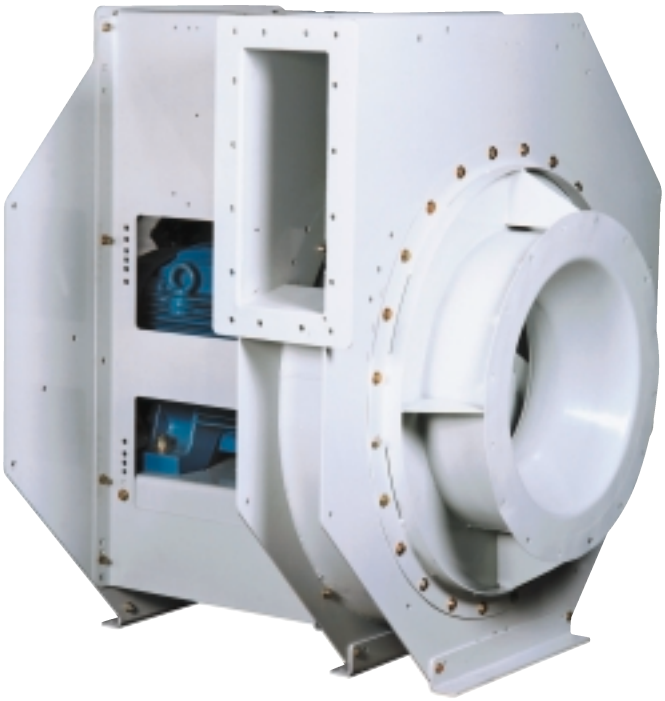
Inlet and outlet flanges according to ISO 13351.

Sufficient space on the motor pedestal allows the fitting of a safety switch.

Advantages of direct drive arrangement:

Overhung impeller fitted directly on motor shaft:

- Small surface area
- Reduced power requirements
- Simplified maintenance: no belts, no bearings: no belts
- Standard fans can be adapted for temperature ranges of –20 °C up to +200 °C.



Advantages of belt-drive arrangement:

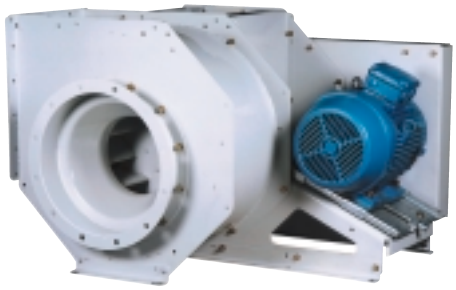
Overhung impeller fitted onto an intermediate shaft supported by two bearings and equipped with a V-belt type drive.

The advantages are:

- Fan capacities fully site-adjustable,
- High fan speeds,
- High temperature applications,
- Special shaft seal,

Standard fans can be used at temperatures from -20 °C to +350 °C.

A very compact design.



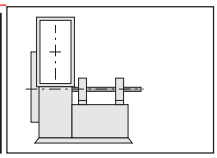
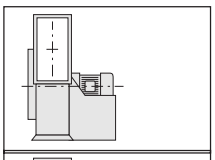
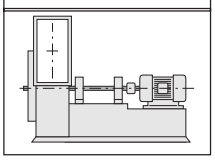
A facilitate maintenance of V-belts tension thanks to a fully adjustable motor support.

Arrangements and orientations of centrifugal fans ISO 13349: 1999

1 • Arrangement types

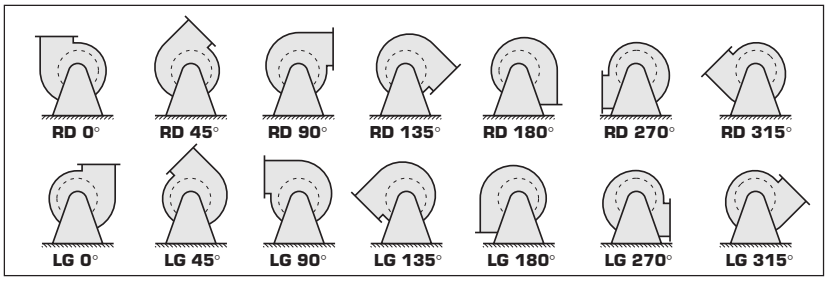
ISO 13349: 1999

Description

1	Single width impeller. Belt Drive Arrangement. Overhung impeller fitted onto an intermediate shaft, supported by 2 bearings mounted on a Support.	
4	Single width impeller. Direct Drive Arrangement. Overhung impeller directly fitted on motor shaft. No bearings on the fan. Motor is fixed on a Support.	
8	Single width impeller. Semi-flexible Coupling Arrangement. As arrangement 1 + one motor support in the same axis.	

2 • Orientations

Fourteen standard orientations are available as per the diagrams. The orientations are viewed from the drive side (side opposite to the fan inlet) and are given according to the Eurovent standard.



3 • The size

14 standard impeller diameters from 315 up to 1400 mm according to the R20 series.

315 mm

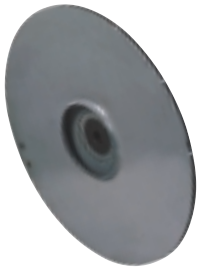
900 mm

1400 mm

4 • Aerodynamics

– 6 blade types, depending en air transported (see page 8 - 9): D, B, P, L, S, T.
– 11 performance envelopes, corresponding to impeller width (L, M, K, H, N, P, R, S, T, V, W).





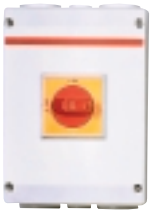
L ..... **P** ..... **W**

5 • Materiel type

Coding of the fans

Centripal EU	4	L	D	560	RD	45	Adx	Std
Fan series	Drive Arrangement 4: direct 1: xx 8: xx	Impeller width (L - M - K H - N - P R - S - T V - W)	Type of blades (D - B P - L S - T)	Impeller diameter (mm)	Rotation RD = (Right) LG = (Left)	Discharge direction	Material Adx: F24.2 steel, AISI 304 L: stainless steel	Coatings: - Std : standard RAL 7035 (powder) - Epoxy 120 µm anti-corrosion - Galva HDG after manufacture - Finit RAL customer imposed colour

Optional safety switch (also available in Explosion Proof Version)



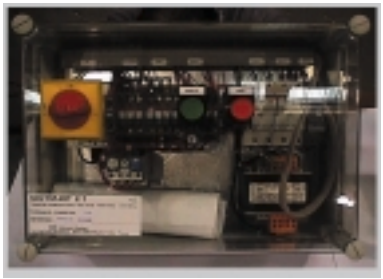
From the 1st January 2001, ISO 12499 "Industrial fans - Mechanical fan safety - Protection", the installer and end user are directed as folows:

"If the fans rotating parts become accessible during service, the power supply must be completely isolated.

In those circumstances, a power supply isolation unit must be placed next to the fan to enable as positive isolation of the unit during maintenance.

To conform to this international standard, all fans must be installed with a local isolating switch.

A full range of electrical ancillaries is available for installation with the fans:




A large choice of electrical equipment, whatever your starting (method), to make you life easier:

- Pre-wired electrical control panels (Star, Star Delta, double speed ...).
- Pre-wired frequency inverters for fan performance control.
- Safety switch (standard or explosion proof).

Basic Fan selection information ?

High fan efficiencies, low sound power levels, high performance, small surface area and long life are obtained from the fans design and selection according to the given criteria.

Fan selection is derived from:

- the nature of the air to be moved and fan environmental conditions.
- design requirements (volume, pressure...).
- drive arrangement and discharge direction, available space, accessories and options...

6 different types of impellers for all applications: D, B, P, L, S, T.

Clean air

D-blade

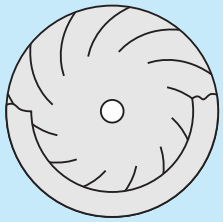
D-blade

(airfoil).

Suitable for handling clean air with relative humidity levels not exceeding 80 %.

High efficiencies of up to 88 % and particularly low sound power levels.

Suitable for L, M, (and K-H for sizes > 1000).



Aube B
B-blade

B-blade

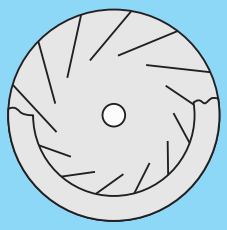
(backward curved).

Suitable for handling clean air with relative humidity levels not exceeding 80 %.

High efficiencies of up to 85 % and particularly low sound power levels.

Suitable for H, N, P, R, S, T, V, W widths.

Dust-laden



P-blade

P-blade

(flat, backward inclined).

Suitable for handling humid or fairly dusty air.

Efficiencies of up to 87 % with low sound power levels.

Standards

The recently developed, EU range of centrifugal fans is based on the latest European and international standards.

Aerodynamic and acoustic performance research and tests

Performed according to French Standards NF S 31-021, NF S 31-063, British Standard BS 848, Parts I and II, ISO 5801 and ISO 13347.

The above research and tests have contributed to the very high efficiencies and exceptionally low sound power levels regardless of operating conditions:

- Guaranteed air volumes : ± 5 %
- Guaranteed total sound power levels: ± 3 dB

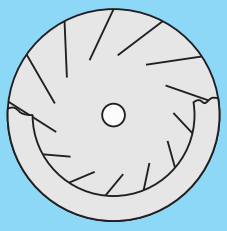
Mechanical and vibration tests

The above research has contributed to a reduction in the natural vibrations across the various operating speeds.

Guaranteed vibration levels (according to ISO standard 2372, French standard NF E 90-300 and German industry standard VDI 2056 "Class K and M machines") :

Power	**< 15 kW** ≤4.5 mm/s (20 µm at 3,000 rpm).
Power	**≥ 15 kW** ≤7.1 mm/s (31.5 µm at 3,000 rpm).

air



L-blade

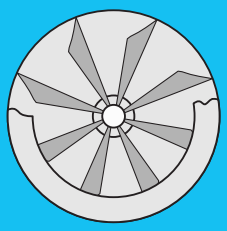
L-blade

(flat, slightly backward inclined).

Suitable for handling air laden with abrasive or slightly clogging dust.

Efficiencies of up to 77 % with relatively low sound power levels.

Heavily dust-laden air



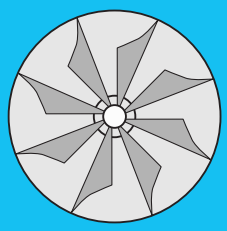
S-blade

S-blade

(shrouded paddle blade).

Recommended for handling air laden with powdery, abrasive and clogging dust.

Efficiencies of up to 70 %.



T-blade

T-blade

(unshrouded paddle blade).

Recommended for fibre-laden air.

This blade type resist damage due to fan surge at low air volume.

Centripal EU - Clean air applications
Medium pressures

Features

Centripal EU fans for clean air applications: D- type hollow airfoil blades. These are available in 4 impeller widths (L, M, K and H).

High efficiency levels are obtained with D-type impellers:

• airfoil, i.e.,aerodynamically shaped blades matching the inlet cone, reduce shocks produced at wheel entry, resulting in smooth air flow across the blade surface and eliminating eddy currents producing turbulence and noise.

• Low absorbed powers, high fan efficiencies and low sound power levels.

Typical applications

• general ventilation.

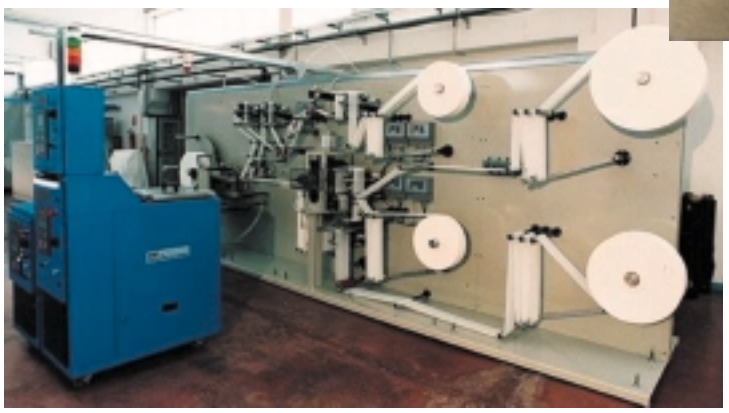
• boilers and furnaces.

• heat treatment.

• dehumidification.

• smoke exhaust systems.

• air conditioning.



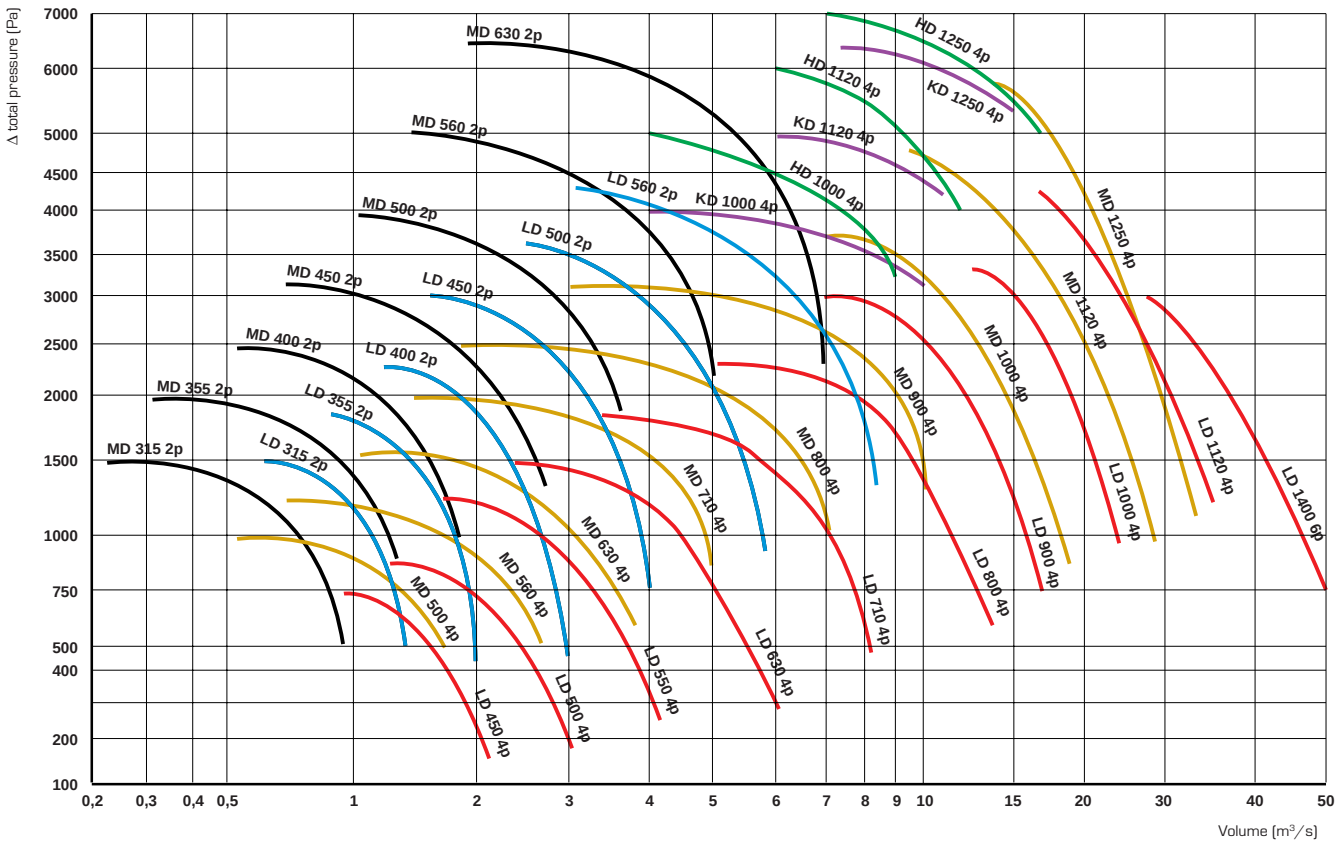
Fan pre-selection chart - Direct drive, 2 and 4-pole motors

The pre-selection chart below should be used to determine which drive arrangement best meets design requirements:

• 50Hz direct drive fans at 2,900 or 1,450 rpm

CENTRIPAL EU 4 - MD/LD/KD/HD - 2, 4 and 6 poles.

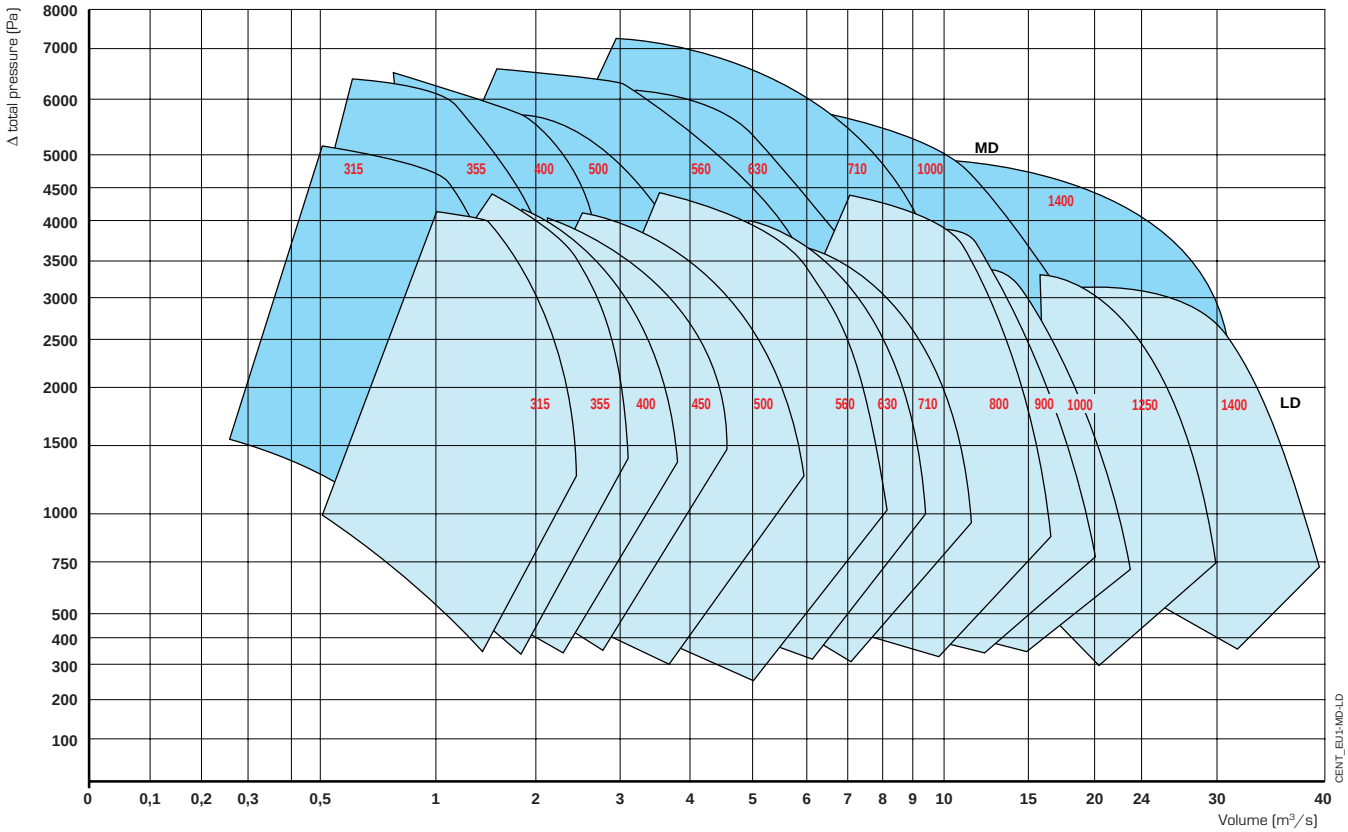
Arr. 4



Fan pre-selection chart - Belt drive

CENTRIPAL Eu 1 - MD/LD

Arr. 1



Centripal EU - Clean air applications
High pressures

Features

Centripal EU high pressure - clean air fans feature B-type curved blades and are available in 8 impeller widths (H, N, P, R, S, T, V and W).

• Combinations of design features ensures fans precisely match design requirements.

• Centripal EU equipped with B-type impellers are best suited for low and very low air volume requirements.

Typical applications

• furnace burner air supply.

• fluidization.

• pneumatic conveying.

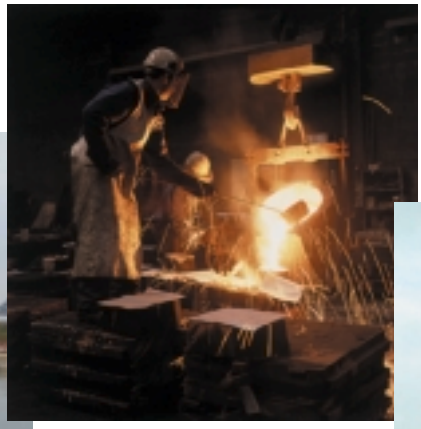
• glass annealing.

• diesel engine booster.

• air curtains.

• glass mould cooling, heating boiler optical cell cooling, etc.

• pulsators in waste water treatment plants.



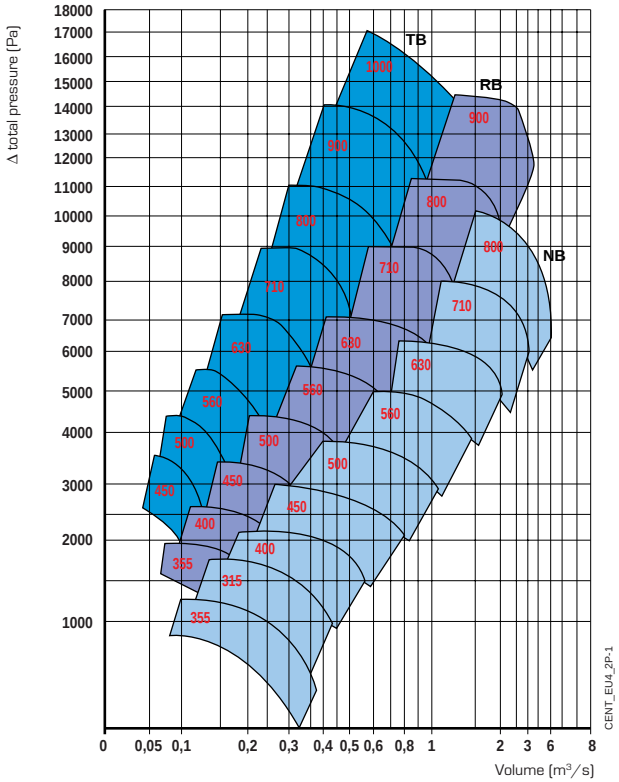
Fan pre-selection chart - Direct drive, 2 and 4-pole motors

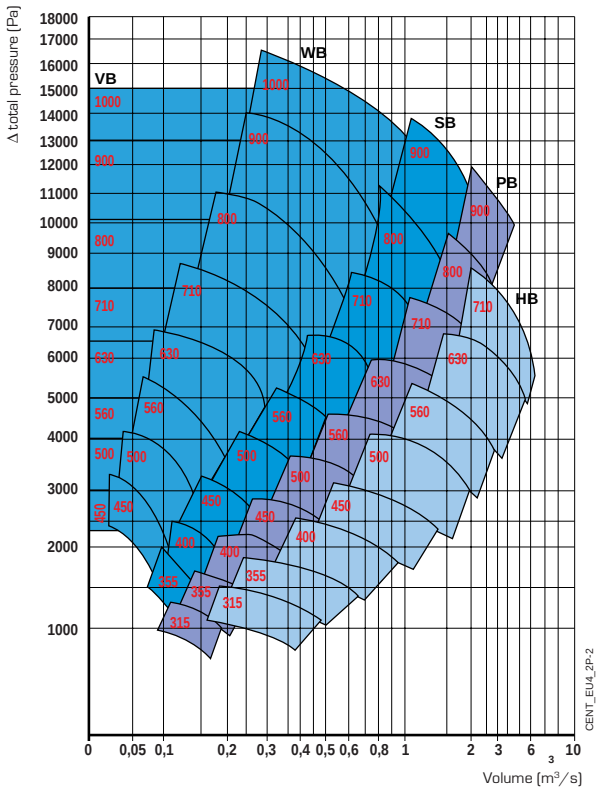
The pre-selection chart below should be used to determine which drive arrangement best meets design requirements:

• 50Hz direct drive fans at 2,900 rpm

CENTRIPAL EU 4 - H, N, P, R, S, T, V, W.

Arr. 4

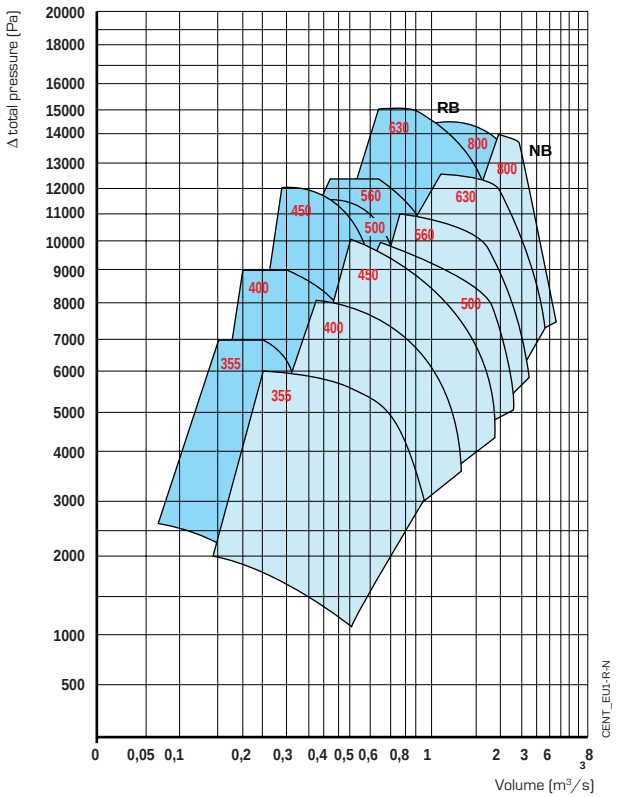


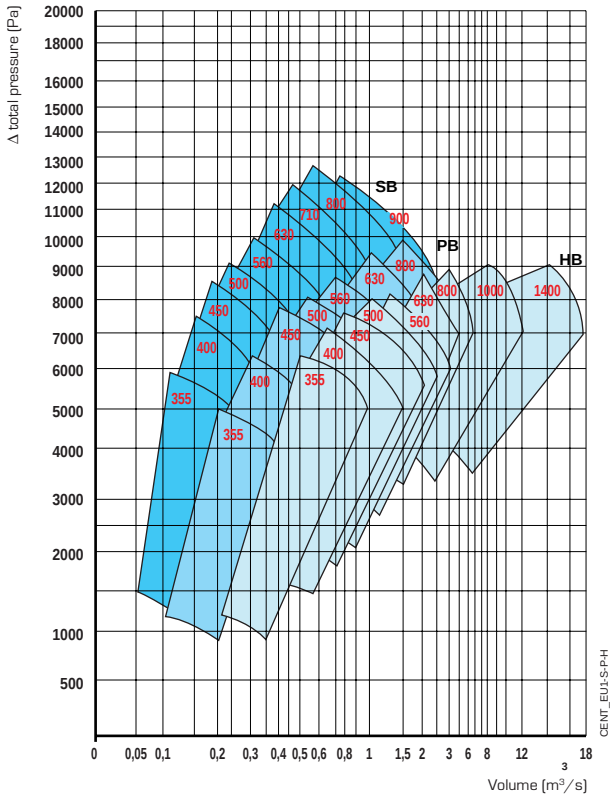


Fan pre-selection chart - Belt drive

CENTRIPAL EU 1 - H, N, P, R, S.

Arr. 1





Centripal EU - Dust-laden air applications

Medium pressures

Features

Centripal EU fans for dust-laden air applications. Backward inclined blades (P and L). These are available in 4 impeller widths (L, M, K and H).

Centrifugal force and blade inclination combine to "peel off" dust, significantly reducing particle build-up on the impeller.

The P type impeller with its sharply inclined blades is most suitable for slightly dust-laden, non-clogging air applications.

Slightly inclined, the L-blade impeller is designed for handling slightly clogging, particle-laden abrasive air and corrosive gases.

Typical applications

- furnace burner supply air.
- dust separators.
- coating machine dedusting.
- dusty (cement factories, steel mills) or humid (paper mills, dyeing) environment ventilation systems.

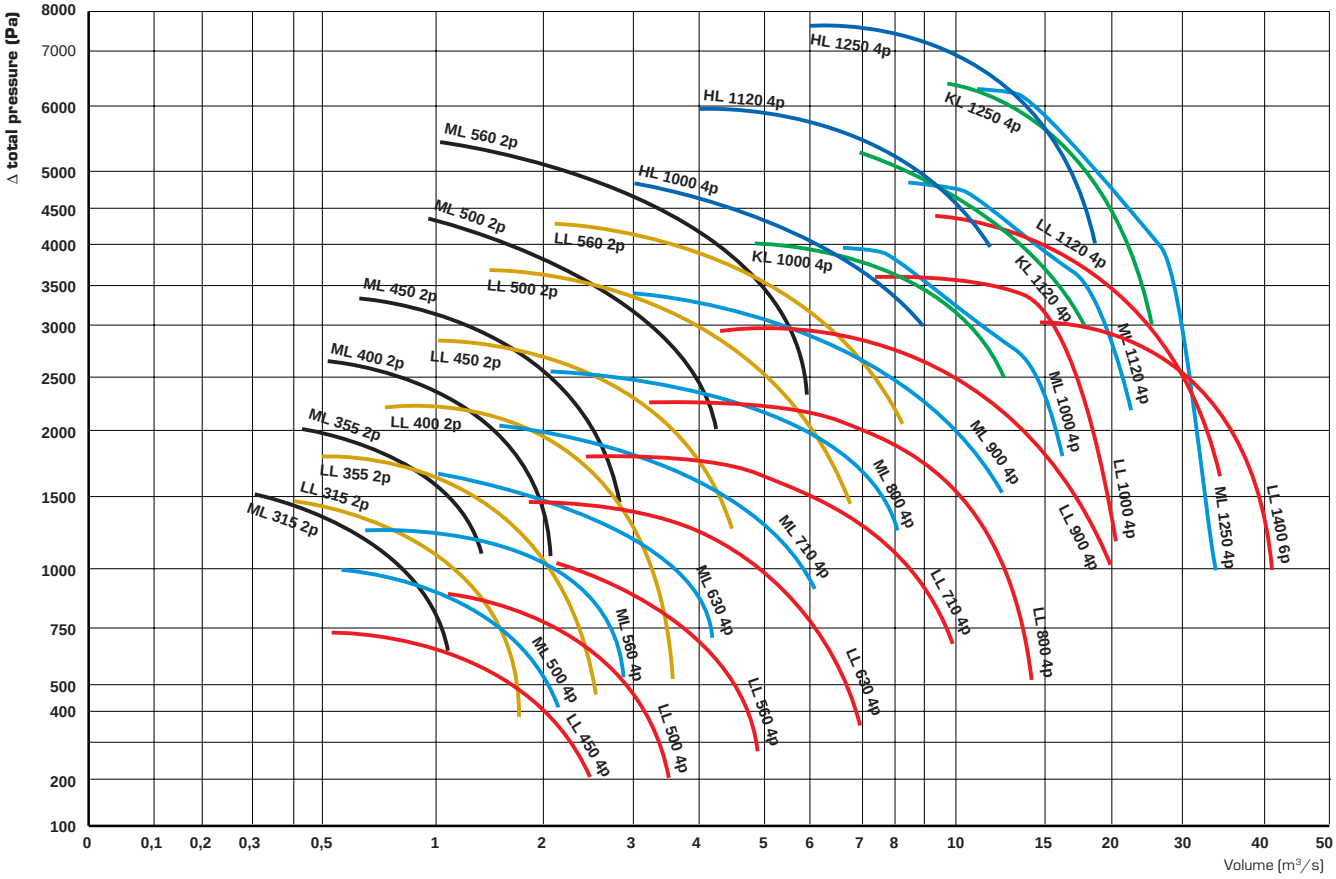
Fan pre-selection chart - Direct drive, 2 and 4-pole motors

The two pre-selection charts below should be used to determine witch drive arrangement best meets design requirements:

• 50Hz direct drive fans at 2,900 1,450 or 950 rpm.

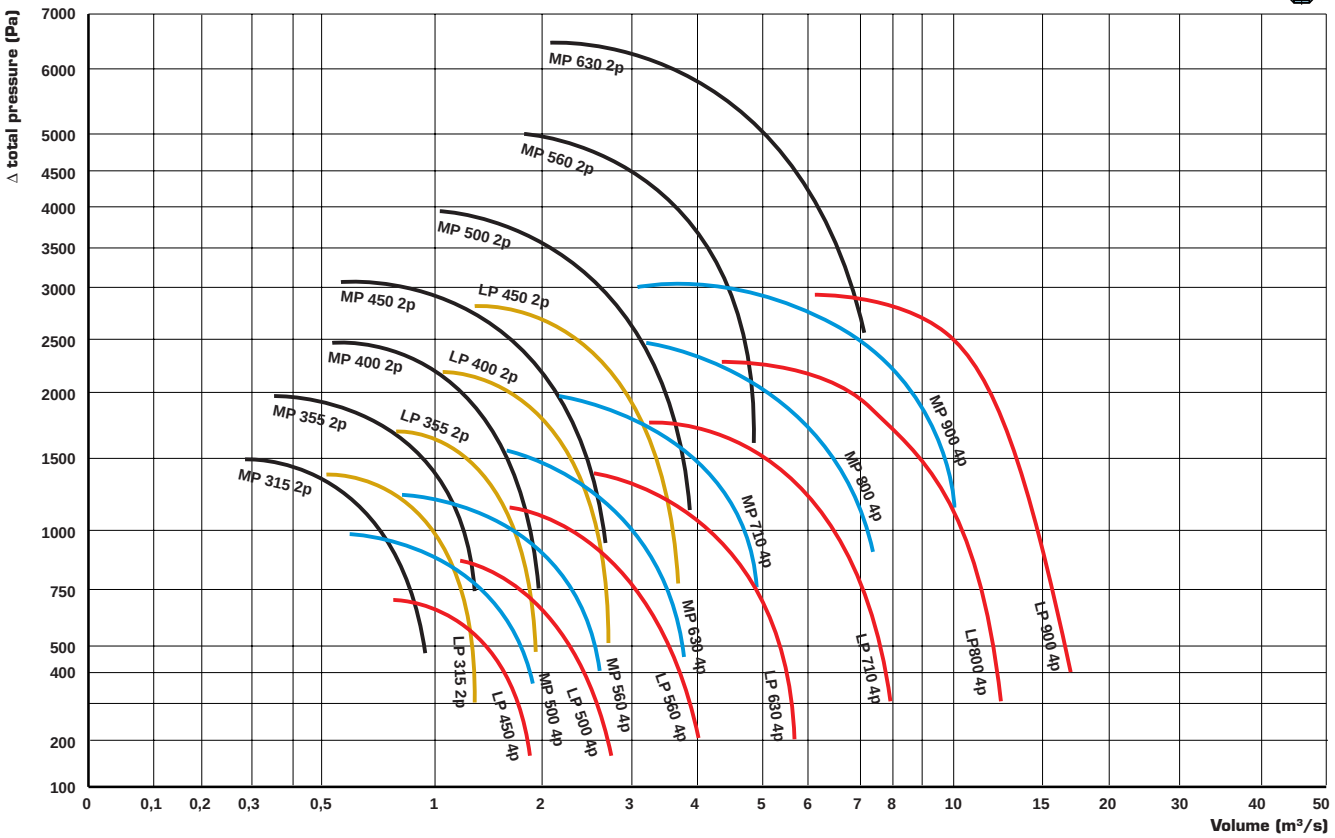
CENTRIPAL EU 4 - ML/LL/KL/HL.

Arr. 4



CENTRIPAL EU 4 - MP/LP.

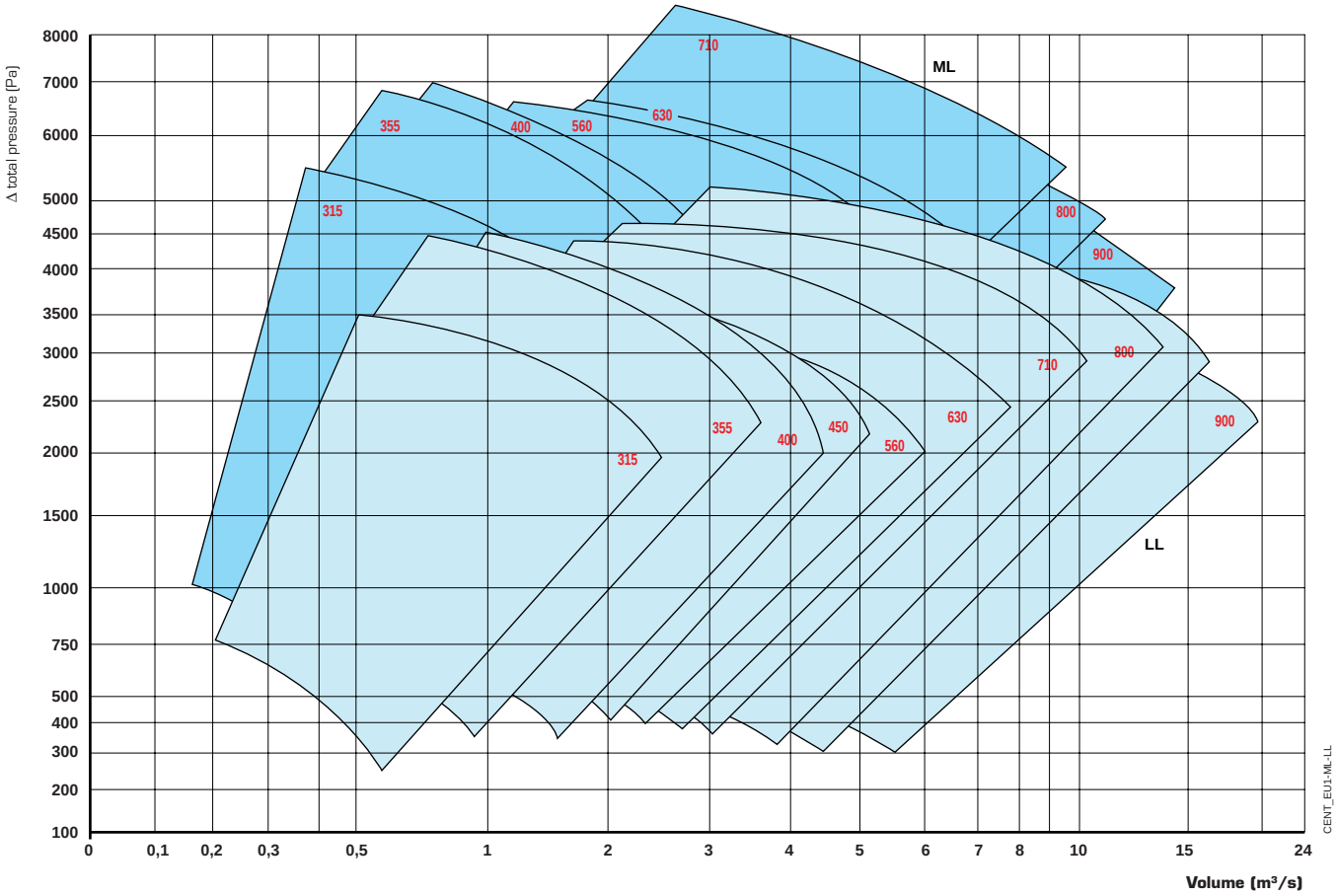
Arr. 4



Centripal EU - Dust-laden air applications

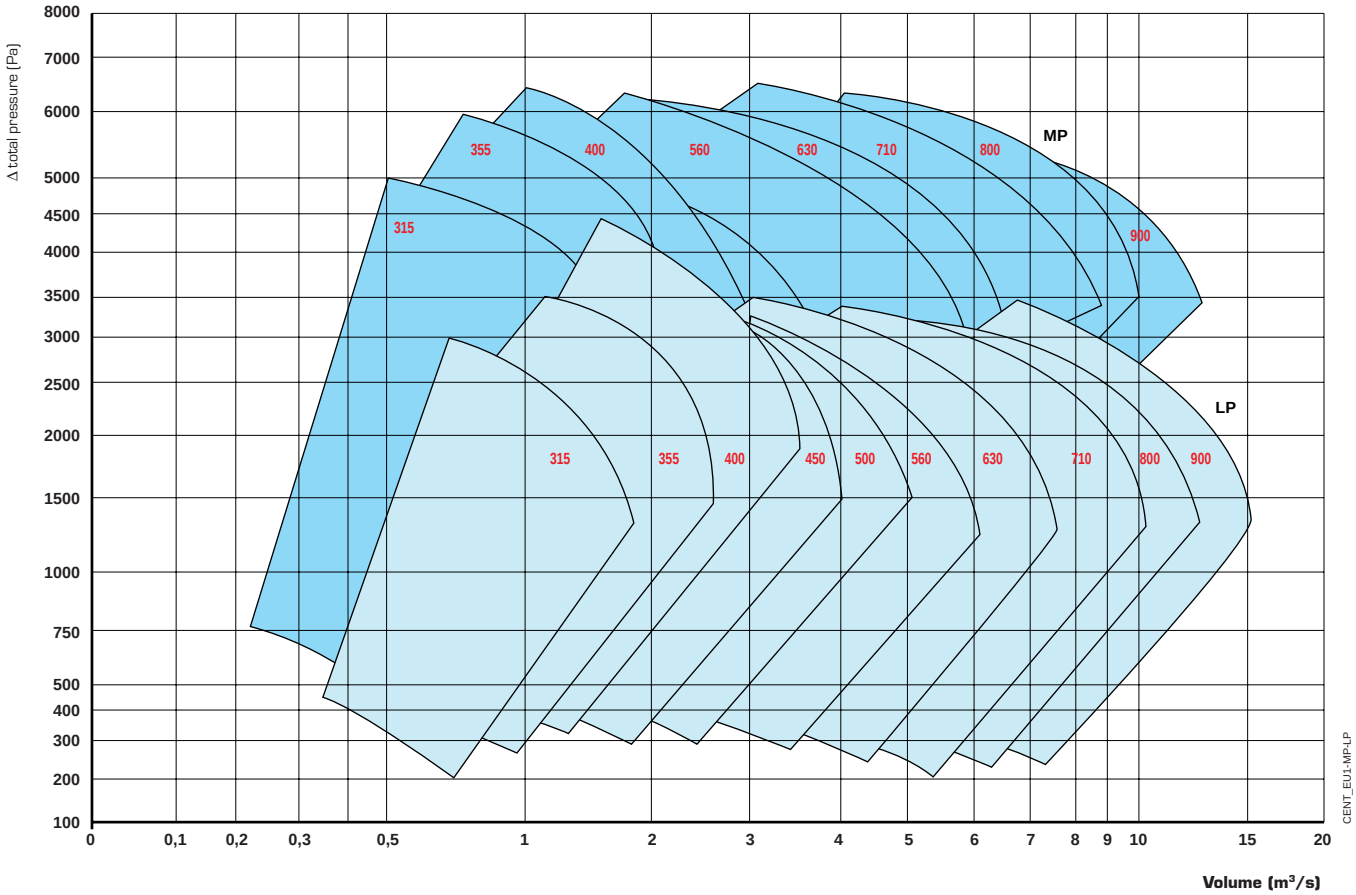
Fan pre-selection chart - Belt Drive

CENTRIPAL EU 1 - ML/LL.



Fan pre-selection chart - Belt Drive

CENTRIPAL EU 4 - MP/LP.



Centripal EU - Dust-laden air applications

High pressures

Features

Centripal EU fans for dust-laden air handing feature L-type flat blades and are available in 4 impeller widths (H, N, P, and S).

- Centrifugal force and blade inclination combine to "peel off" dust, significantly reducing clogging hazards.
- The L-blade is highly suitable for slightly clogging, dust-laden air and corrosive gases.

Typical applications

- dedusting.
- chemical degassing.
- plant recycling (cement factories).
- powder and granulated product pneumatic conveying.
- waste incinerators.
- sweepers.

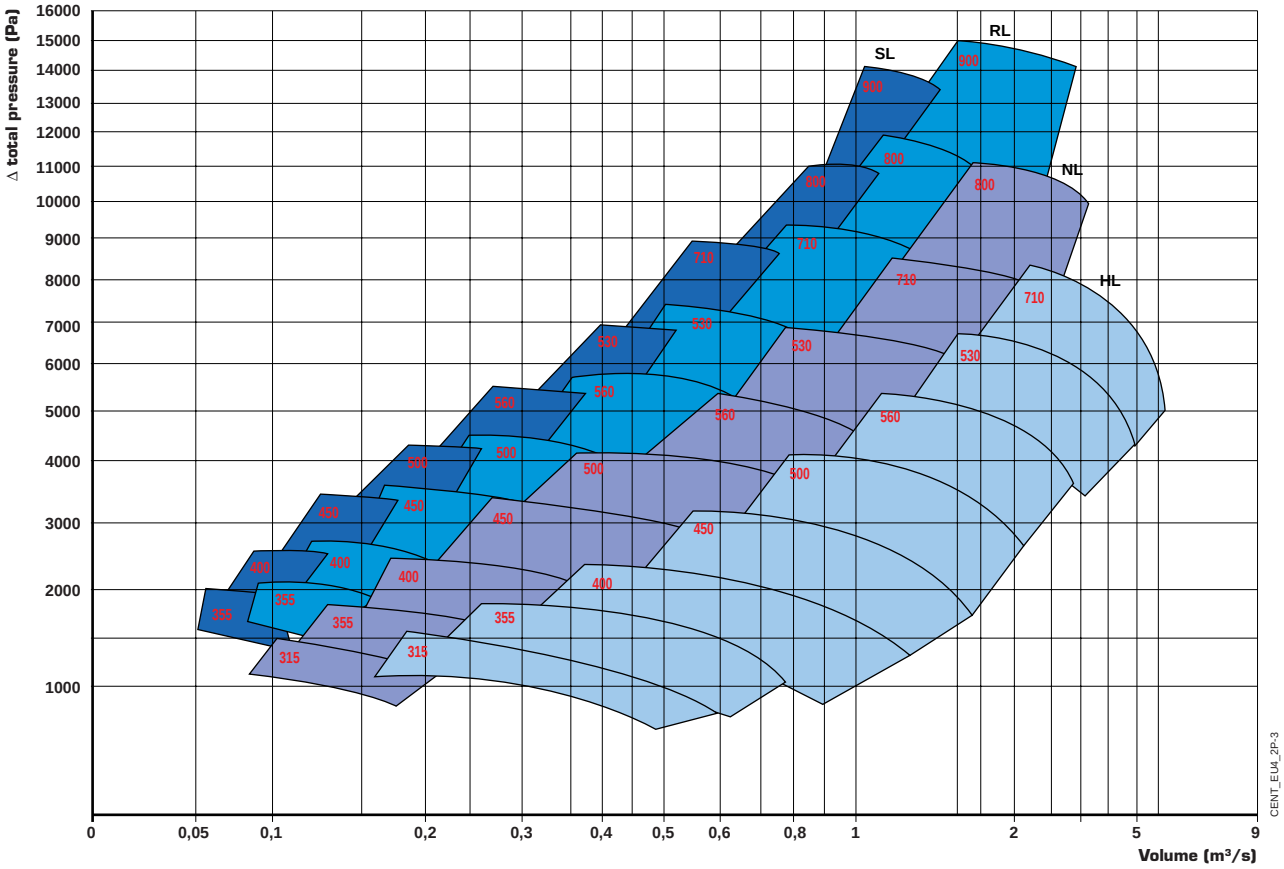
Fan pre-selection chart - Direct drive, 2-pole motors

The pre-selection chart below should be used to determine which drive arrangement best meets design requirements:

• 50Hz direct drive fans at 2,900 rpm

Arr. 4

CENTRIPAL EU 4 - SL/RL/NL/HL.



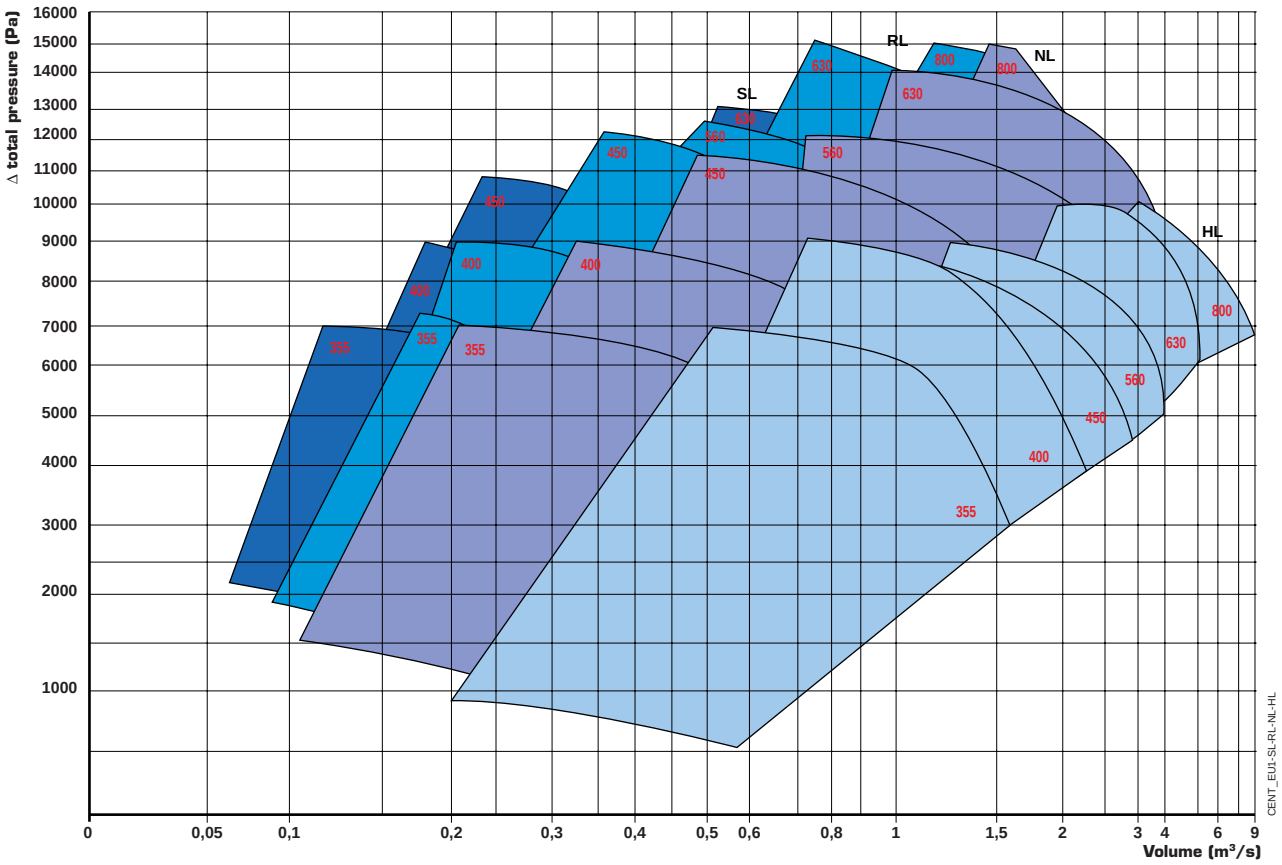
Fan pre-selection chart - Belt Drive

The pre-selection chart below should be used to determine which drive arrangement best meets design requirements:

• 50Hz direct drive fans at 2,900 rpm

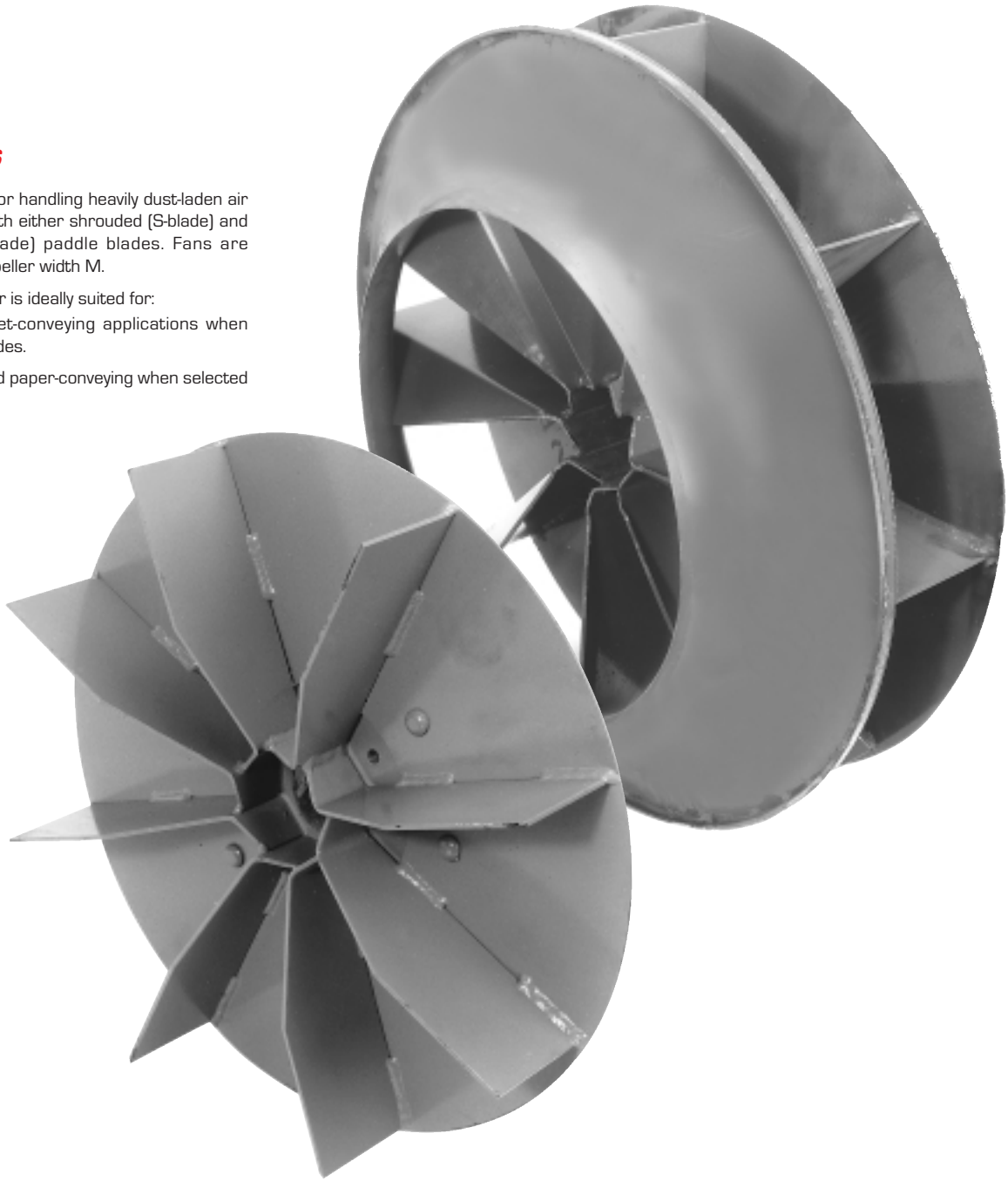
Arr. 1

CENTRIPAL EU 4 - SL/RL/NL/HL.



Centripal EU - Heavily dust-laden air

Medium and high pressures



Features

Centripal EU fans for handling heavily dust-laden air can be selected with either shrouded (S-blade) and un-shrouded (T-blade) paddle blades. Fans are available in one impeller width M.

This type of impeller is ideally suited for:

- powder and pellet-conveying applications when selected with S-blades.
- fibre, shavings and paper-conveying when selected with T-blades.

Typical applications

- dedusting of wood-working machines.
- dust separators.
- pneumatic conveying on carding and combing machines.

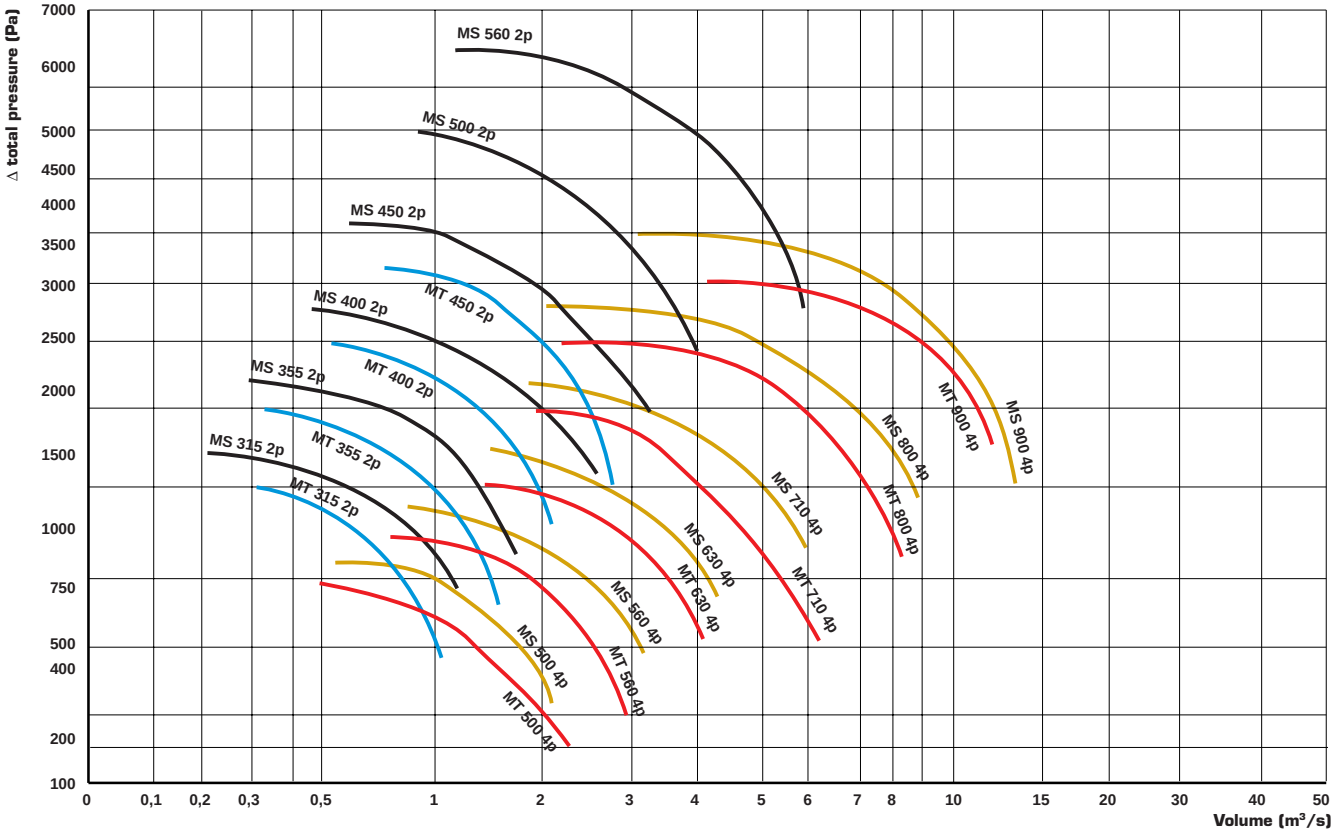
Fan pre-selection chart - Direct drive, 2 and 4-pole motors

The pre-selection chart below should be used to determine which drive arrangements best meets design requirements:

• 50Hz direct drive fans at 2,900 or 1,450 rpm.

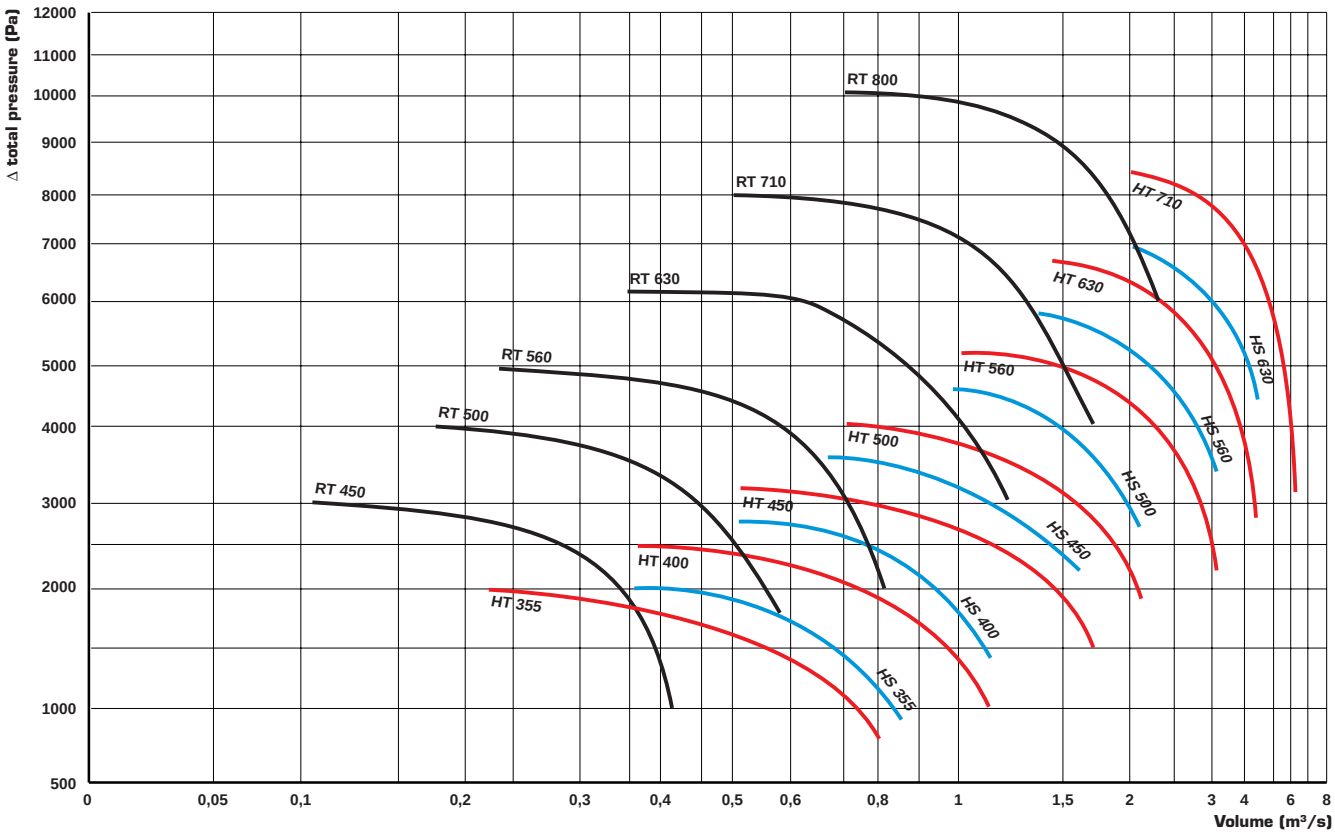
CENTRIPAL EU 4 - MS/MT

Arr. 4



CENTRIPAL EU 4 - RT/HS/HT - 2900 rpm.

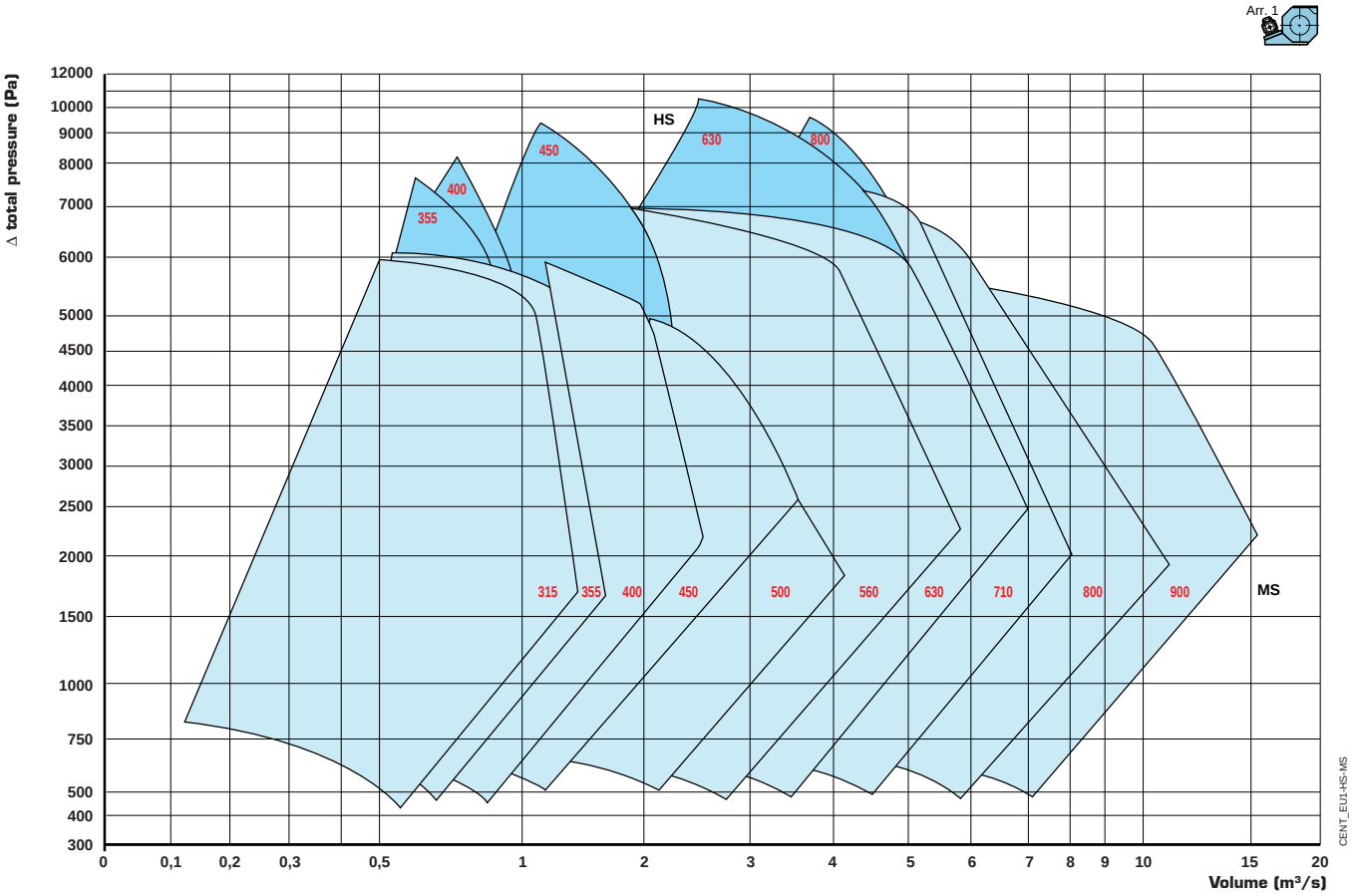
Arr. 4



Centripal EU - Heavily dust-laden air

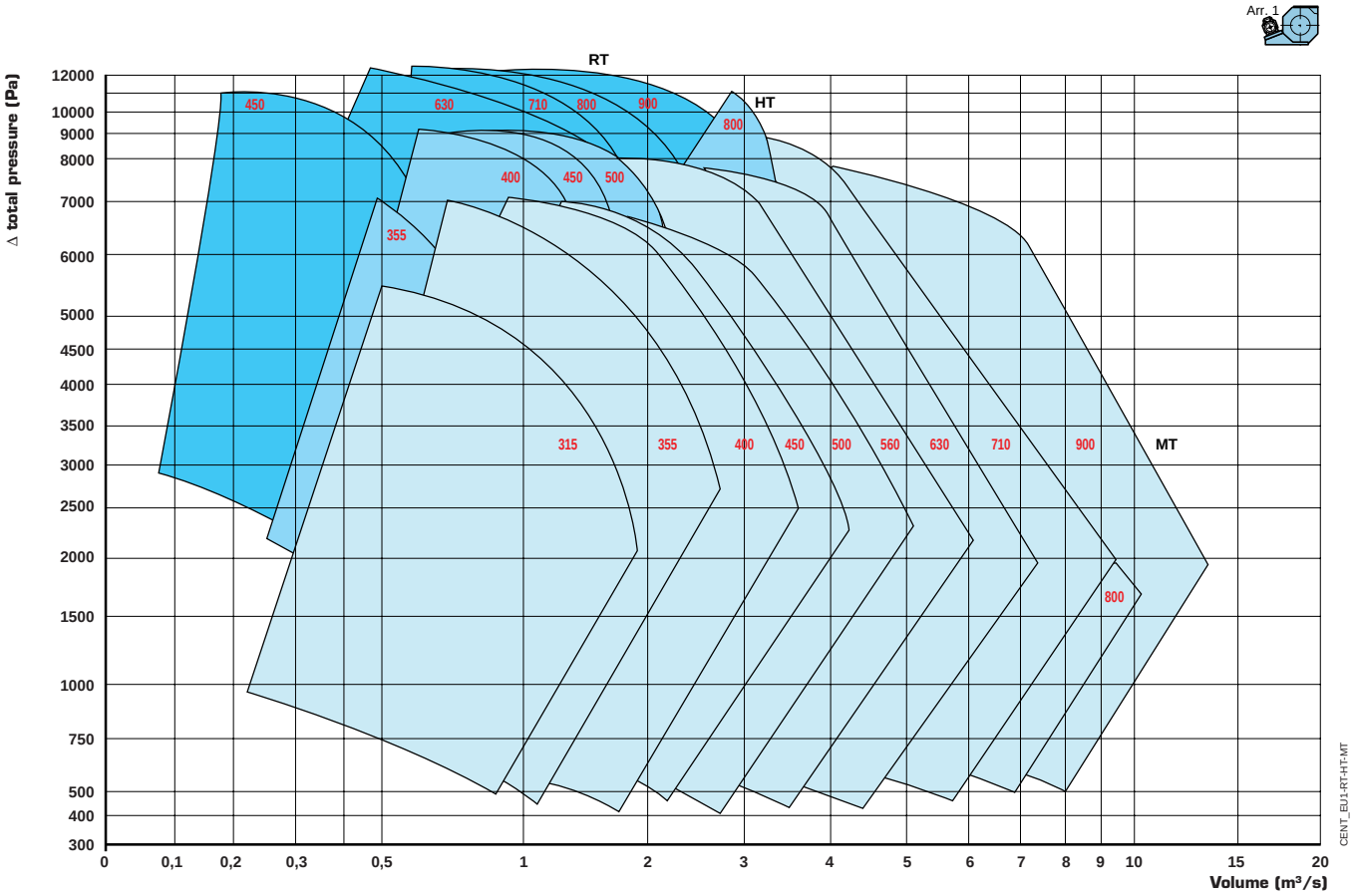
Fan pre-selection chart - Belt Drive

CENTRIPAL Eu 1 - HS/MS.



Fan pre-selection chart - Belt Drive

CENTRIPAL Eu 1 - RT/HT/MT.



System design recommendations

Design considerations

Our fan performance curves are based on tests performed with optimum installation conditions. The inlet ducts were circular and were connected in a true alignment to the fan inlets with our standard aerodynamic inlet cones fitted. and a discharge duct equipped with an outlet extension connected to a straight measuring duct.

Friction loss (system pressure) data is usually available from the duct system manufacturer's catalogues.

Published data is based on uniform air intake at the fan inlet.

It is very rare that a real installation meets the ideal condition, it must therefore be noted that the entire system effect be taken into account to calculate the true performance requirements of the fan, i.e.

- All duct system components and non-uniform air intake to the fan will have an affect on the fan performance
- A particular ductwork component located too close to either the fan inlet or outlet will adversely affect the friction loss factors.

Inlet connections

Inlet spin

The various connections shown below all cause air spin at the fan inlet.

Air spin is generally either in the direction of, or opposite to the direction of rotation of the fan impeller. If it is opposite to direction of rotation of the impeller, the power consumption will be increased.

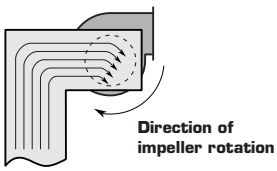
If it is µin the direction of impeller rotation, capacity will be reduced along with power consumption.

Using guide vanes either upstream or in the bends can minimize loss of capacity and static pressure. The friction loss caused by such vanes will need to be added to overall system loss.

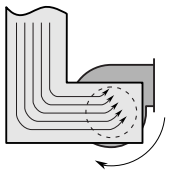
There are two solutions to this problem:

- Non-uniform airflow at the fan inlet can be corrected with the use of guide vanes.

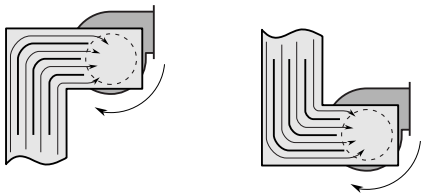
We suggest that you contact our engineering department for the selection of such equipment.



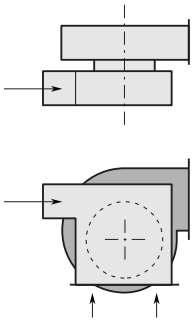
a) Forward spin



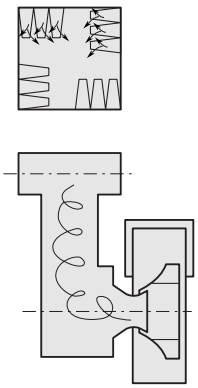
b) Reverse spin



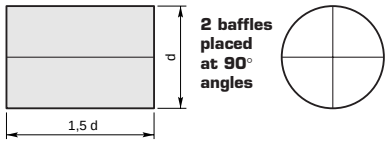
5 guide vanes in elbow eliminate spin.



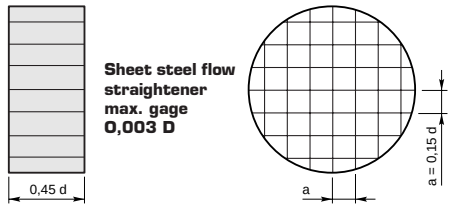
c) Mixing box at fan inlet causing forward spin.



d) Filter at fan inlet causing forward spin.



Cross-vane arrangement eliminates spin



Bee's nest

Non-uniform inlet air velocity

Duct bends at the fan inlet usually cause poor inlet distribution, with the higher air velocities at the outer radius of the bend (fig. 1).

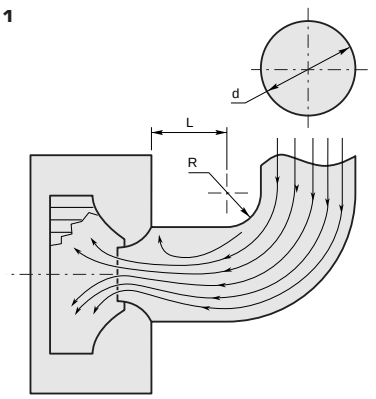
The problem can be corrected by:

• installing a straight section of at least 5 duct diameters (L) between the fan inlet and the bend.

• installing vanes in the bend at a minimum distance of twice the inlet diameter of the fan inlet (L).

• increasing the duct diameter before the fan, thereby increasing the radius of the bend. In this case, a converging section should be located at the fan inlet. Duct diameters should not exceed 1.5 times the fan inlet diameter.

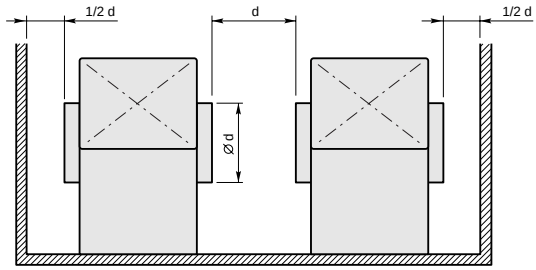
Fig. 1



Fan capacity may be adversely affected when the space between 2 fans or between the fan inlet and the wall is too small (fig.2).

The minimum distances shown should correct the problem.

Fig. 2



Discharge connections

Bends, louver dampers connected directly to the fan outlet.

Discharge velocities are not uniform at the fan outlet (fig. 3), which is why duct system components installed immediately downstream of the fan will cause high pressure drops.

A good duct layout should have components installed at a minimum distance of:

$$3 \times \sqrt{\frac{4\,(a \times b)}{\mu}}$$

from the fan outlet, shown as "Le" in fig. 3.

In certain installations where it is necessary to install ductwork components near to the fan outlet, the capacity loss may be minimized by the use of a diverging duct section immediately after the outlet (fig. 4).

The length of the section should be such that its discharge velocity equals the mean fan inlet velocity measured in the plane of the cone.

Fig. 3

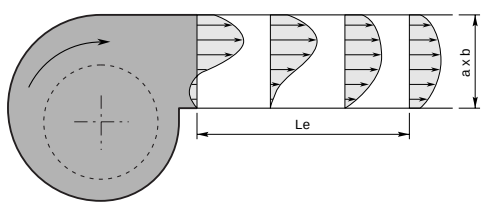
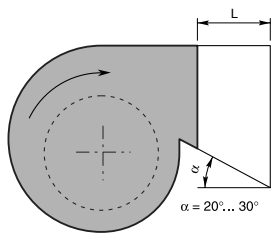


Fig. 4



Outlet Free

With discharge velocities not being uniform at the fan outlet as shown, an additionnal pressure loss will be incurred, the magnitude of which will depend on the size of fan used, is to be added when the fan discharges directly into a plenum as the cross sectional area of the duct is larger than fan discharge area.

Ancillaries

Standard ancillaries

1 Inlet Flange

(optional on Centripal L). Meets ISO 13351 requirements.
Inlet diameters from 315 to 1400 mm sized on the R20 system.

2 Outlet Flange

Meets ISO 13351 requirements.

Inside dimensions sized on the R20 system.

3 Casing access Door

Bolted access door.

Standard ancillaries for belt-drive arrangement

4 Belt-Drive

Oversize V-Belt and cast iron sheave type sized to ISO 5292.
Drive meets ISO 4184.

5 Shaft Guard

Bolted onto bearing supports.
Simplifies bearinf cap disassembly.

6 Cooling Impeller Guard

Bolted onto bearing supports.
Integral air slots.

7 Drive Guard

Bolted onto the casing base. Integral air slots and two inspection doors for speed and belt checks.

8 Belt Tensioning System

Located under the motors mount for quick and easy motor repositioning.

9 Bearings

Plummer block bearing type with ISO 311 III seal plane.

Ball or roller bearings fitted as a function of operating conditions and size to ISO 281 for a useful life of 40,000 hours at maximum shaft speed.

10 Grease nipples and exhaust holes

11 Casing Drain

20/27 male thread stub with cap.
Not available on 270° orientations.

12 Matching flange

(see Inlet and Outlet Flange specifications).

Supplied with bolts for installation.

13 Safety Wire Guard

Meets ISO 13852 requirements.

Spot welded stainless steel AISI 304, factory fitted.

14 Matching flange

(see Inlet and Outlet Flange specifications).

Supplied with bolts for installation.

15 Flexible connection sleeve and deflector

Flexible connection sleeve

Class M1 fire rated flexible connections designed for continuous operation at temperatures in excess of 300 °C and operating pressures from –9,500 Pa to +15,000 Pa.

Circular inlet sleeves flanged at both ends.

Outlet sleeves rectangular or rectangular-circular and flanged at both ends, with the circular section sized to the fan inlet diameter.

Deflector

Required to protect flexible connection sleeves against extremely high or low pressures and heavily dust-laden air.

16 Inlet Vane Control Unit

(see our Gyropal literature).

17 Silencer

Cylindrical silencer, available with or without pod (on request).

18 Cylinder-type Filter

Disposable cartridge type inlet filter with 90 % efficiency rating.

19 Anti-vibration Mountings

Anti-vibration mountings for installation under fan feet.

20 Electric Motor

(all types and models).

21 Inverter drive speed controller

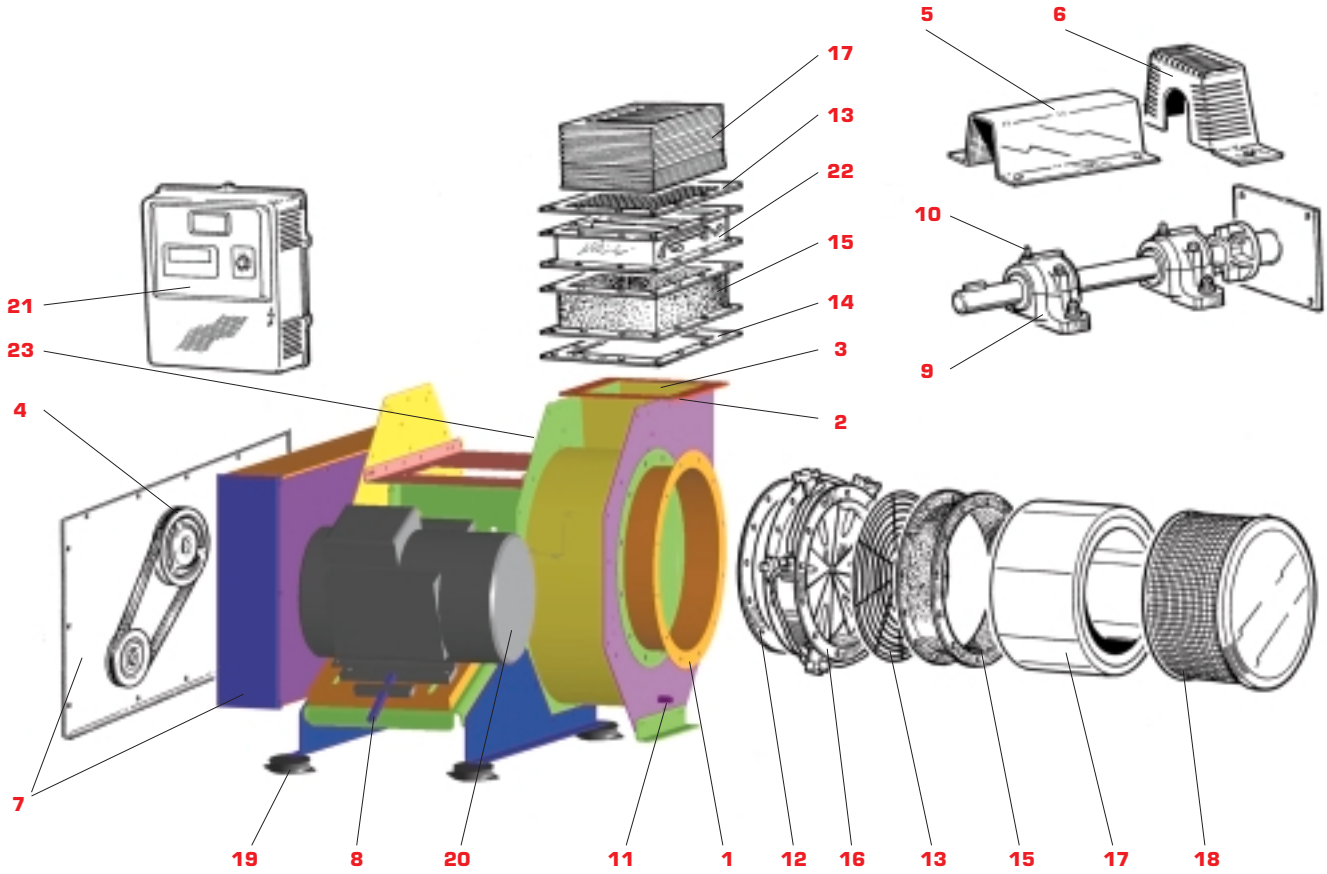
(frequency converter).

22 Damper

(on request)

23 Pre-wired Safety switch

(padlock-able electrical isolator).


5
6
17
13
22
15
14
3
2
10
9
21
23
4
7
19
8
20
11
1
12
16
13
15
17
18

Centripal EU arrangement 4 - Width L

Variable dimensions *(according to fan orientation, viewed from the drive side)*

		315	355	400	450	500	560	630	710	800	900
RD 0 / **LG 0**	Q	147	166	184	205	231	258	285	317	358	394
	R	93	104	116	125	129	142	155	173	192	206
	S	596	656	738	814	899	995	1102	1245	1380	1532
	T	613	673	753	829	912	1018	1125	1274	1404	1556
	U	326	357	397	437	480	540	596	676	742	822
	V	288	316	356	392	433	478	529	599	663	735
	W	272	297	335	368	399	440	486	550	607	673
	X	270	295	327	358	392	431	479	531	587	650
RD 45 / **LG 45**	Q	148	167	185	206	230	257	284	316	356	391
	R	92	103	115	124	130	143	156	174	194	209
	S	596	656	738	814	899	995	1102	1245	1380	1532
	T	736	808	905	997	1107	1222	1352	1526	1688	1871
	U	303	331	369	404	448	492	543	611	674	745
	V	288	316	356	392	433	478	529	599	663	735
	W	270	296	334	367	400	441	487	552	609	675
	X	270	295	327	358	392	431	479	531	587	650
RD 90 / **LG 90**	Q	133	149	166	183	200	222	245	273	307	335
	R	107	121	134	147	160	178	195	217	243	265
	S	598	658	740	816	902	998	1105	1249	1384	1536
	T	611	671	750	826	919	1015	1122	1265	1400	1552
	U	287	312	347	380	419	460	506	570	627	692
	V	288	316	356	392	433	478	529	599	663	735
	W	311	342	385	425	470	520	576	651	722	802
	X	270	295	327	358	392	431	479	531	587	650
RD 135 / **LG 135**	Q	110	123	137	150	158	175	192	214	239	259
	R	130	147	163	180	202	225	248	276	311	341
	S	721	793	892	984	1087	1202	1332	1506	1668	1851
	T	611	671	750	826	919	1015	1122	1265	1400	1552
	U	285	311	346	379	420	461	507	572	629	695
	V	288	316	356	392	433	478	529	599	663	735
	W	288	316	356	392	428	472	523	592	654	725
	X	270	295	327	358	392	431	479	531	587	650
RD 180 / **LG 180**	Q	93	104	116	125	129	142	155	173	192	206
	R	147	166	184	205	231	258	285	317	358	394
	S	596	656	738	814	899	995	1102	1245	1380	1532
	T	611	671	750	826	919	1015	1122	1265	1400	1552
	U	288	316	356	392	433	478	529	599	663	735
	V	288	316	356	392	433	478	529	599	663	735
	W	272	297	335	368	399	440	486	550	607	672
	X	270	295	327	358	392	431	479	531	587	650
RD 270 / **LG 270**	Q	107	121	134	147	160	178	195	217	243	265
	R	133	149	166	183	200	222	245	273	307	335
	S	598	658	750	816	902	998	1105	1249	1384	1536
	T	611	671	750	826	919	1015	1122	1265	1400	1552
	U	340	374	416	459	520	575	637	715	793	880
	V	288	316	356	392	433	478	529	599	663	735
	W	311	342	385	425	470	520	576	651	722	802
	X	270	295	327	358	392	431	479	531	587	650
RD 315 / **LG 315**	Q	130	147	163	180	202	225	248	276	311	394
	R	110	123	137	150	158	175	192	214	239	206
	S	721	793	892	984	1087	1203	1332	1506	1668	1851
	T	611	671	750	826	919	1015	1122	1265	1400	1552
	U	341	375	417	460	519	574	635	714	791	877
	V	288	316	356	392	433	478	529	599	663	735
	W	288	316	356	392	428	472	523	591	654	725
	X	270	295	327	358	392	431	479	531	587	650

Sizes 1000 up to 1400: dimensions on request.

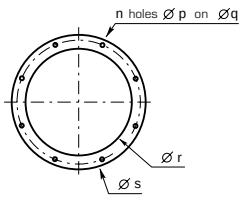
Blade Type D, P, L

Dimensions for all orientations

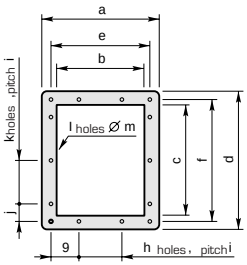
EU L	315	355	400	450	500	560	630	710	800	900
A	315	355	400	450	500	560	630	710	800	900
B	250	280	315	355	400	450	500	560	630	710
C	315	355	400	450	500	560	630	710	800	900
D	124	139	155	173	197	222	248	277	309	346
I	391	408	491	601	619	746	771	907	934	979
J	190	212	242	273	309	350	384	426	479	540
K	599	631	743	883	923	1076	1126	1322	1385	1470
L	263	265	330	420	415	516	516	622	613	618
M	40	40	45	50	50	50	50	65	65	65
N	270	272	339	429	425	527	527	635	627	632
O	146	161	183	208	229	254	279	317	352	392
P	153	168	192	217	239	265	290	330	366	406
Z	10	10	10	12	12	12	12	12	12	12
Outlet flange										
a	336	366	413	453	508	560	610	690	762	842
b	256	286	323	363	408	460	510	570	642	722
c	319	359	405	455	505	566	636	716	808	908
d	399	439	495	545	605	666	736	836	928	1028
e	288	318	353	393	438	514	564	624	694	774
f	353	393	438	514	564	624	694	774	864	964
g	81.5	96.5	51.5	71.5	94	69.5	94.5	62	97	74.5
h	2	2	3	3	3	4	4	5	5	6
i	125	125	125	125	125	125	125	125	125	125
j	51.5	71.5	94	69.5	94.5	62	97	74.5	57	107
k	3	3	3	4	4	5	5	6	7	7
l	14	14	16	18	18	22	22	26	28	30
m	10	10	10	12	12	12	12	12	12	12
ep1	4	4	5	5	6	6	6	8	8	8
Inlet flange										
n	8	8	12	12	12	16	16	16	24	24
p	11.5	11.5	11.5	11.5	11.5	14	14	14	14	14
q	366	405	448	497	551	629	698	775	869	958
r	315	355	400	450	500	560	630	710	800	900
s	395	435	490	540	600	660	740	820	910	1020
ep2	2	2	2.5	2.5	2.5	3	3	3	4	4
mass in (kg)	48	58	92	116	143	203	243	335	464	556

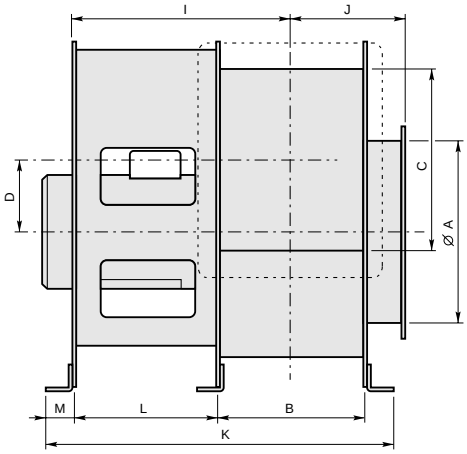
B and C are the internal dimensions of the fan outlet.
A corresponds to the internal diameter of the fan inlet.
D is the dimension between the middle of the fan oulet and the middle of the fan inlet.
P and R are warying with fan discharge position.

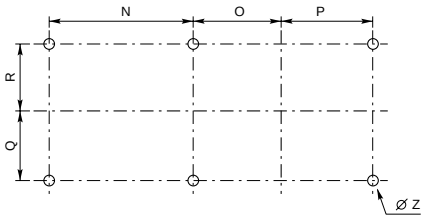
Inlet



Outlet

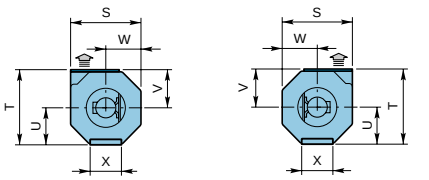




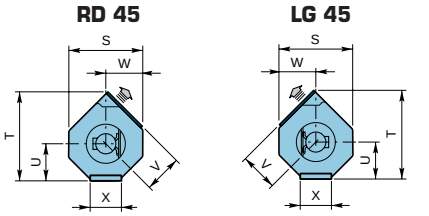


Centripal EU arrangement 4 - Width M

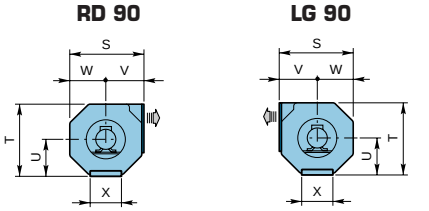
Variable dimensions *(orientation seen from drive side)*



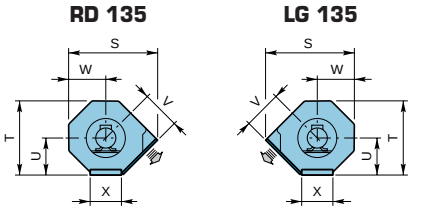
	315	355	400	450	500	560	630	710	800	900
Q	147	166	184	205	231	258	285	317	358	394
R	93	104	116	125	129	142	155	173	192	206
S	596	656	738	814	899	995	1102	1245	1380	1532
T	613	673	753	829	912	1018	1125	1274	1404	1556
U	326	357	397	437	480	540	596	676	742	822
V	288	316	356	392	433	478	529	599	663	735
W	272	297	335	368	399	440	486	550	607	673
X	270	295	327	358	392	431	479	531	587	650



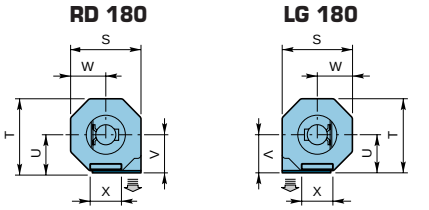
	315	355	400	450	500	560	630	710	800	900
Q	148	167	185	206	230	257	284	316	356	391
R	92	103	115	124	130	143	156	174	194	209
S	596	656	738	814	899	995	1102	1245	1380	1532
T	736	808	905	997	1107	1222	1352	1526	1688	1871
U	303	331	369	404	448	492	543	611	674	745
V	288	316	356	392	433	478	529	599	663	735
W	270	296	334	367	400	441	487	552	609	675
X	270	295	327	358	392	431	479	531	587	650



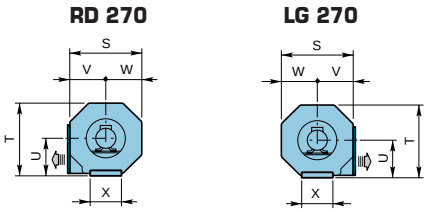
	315	355	400	450	500	560	630	710	800	900
Q	133	149	166	183	200	222	245	273	307	335
R	107	121	134	147	160	178	195	217	243	265
S	598	658	740	816	902	998	1105	1249	1384	1536
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	287	312	347	380	419	460	506	570	627	692
V	288	316	356	392	433	478	529	599	663	735
W	311	342	385	425	470	520	576	651	722	802
X	270	295	327	358	392	431	479	531	587	650



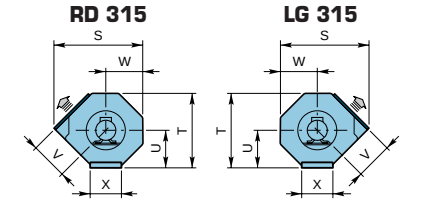
	315	355	400	450	500	560	630	710	800	900
Q	110	123	137	150	158	175	192	214	239	259
R	130	147	163	180	202	225	248	276	311	341
S	721	793	892	984	1087	1202	1332	1506	1668	1851
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	285	311	346	379	420	461	507	572	629	695
V	288	316	356	392	433	478	529	599	663	735
W	288	316	356	392	428	472	523	592	654	725
X	270	295	327	358	392	431	479	531	587	650



	315	355	400	450	500	560	630	710	800	900
Q	93	104	116	125	129	142	155	173	192	206
R	147	166	184	205	231	258	285	317	358	394
S	596	656	738	814	899	995	1102	1245	1380	1532
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	288	316	356	392	433	478	529	599	663	735
V	288	316	356	392	433	478	529	599	663	735
W	272	297	335	368	399	440	486	550	607	672
X	270	295	327	358	392	431	479	531	587	650



	315	355	400	450	500	560	630	710	800	900
Q	107	121	134	147	160	178	195	217	243	265
R	133	149	166	183	200	222	245	273	307	335
S	598	658	750	816	902	998	1105	1249	1384	1536
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	340	374	416	459	520	575	637	715	793	880
V	288	316	356	392	433	478	529	599	663	735
W	311	342	385	425	470	520	576	651	722	802
X	270	295	327	358	392	431	479	531	587	650



	315	355	400	450	500	560	630	710	800	900
Q	130	147	163	180	202	225	248	276	311	394
R	110	123	137	150	158	175	192	214	239	206
S	721	793	892	984	1087	1203	1332	1506	1668	1851
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	341	375	417	460	519	574	635	714	791	877
V	288	316	356	392	433	478	529	599	663	735
W	288	316	356	392	428	472	523	591	654	725
X	270	295	327	358	392	431	479	531	587	650

Sizes 1000 up to 1400: dimensions on demand.

Blade Type D, P, L

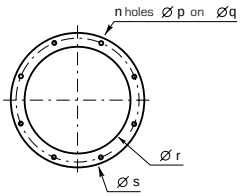
Dimensions for all orientations

EU M	315	355	400	450	500	560	630	710	800	900
A	315	355	400	450	500	560	630	710	800	900
B	160	180	200	224	250	280	315	355	400	450
C	200	224	250	280	315	355	400	450	500	560
D	182	204	230	258	289	324	363	407	459	516
I	346	358	434	536	544	661	679	804	819	849
J	145	162	184	207	235	265	291	324	364	410
K	509	531	628	752	773	906	941	1117	1155	1210
L	263	265	330	420	415	516	516	622	613	618
M	40	40	45	50	50	50	50	65	65	65
N	270	272	339	429	425	527	527	635	627	632
O	101	111	125	142	154	169	187	215	237	262
P	108	118	134	151	164	180	198	228	251	276
Z	10	10	10	12	12	12	12	12	12	12
Outlet flange										
a	246	266	298	322	358	390	425	485	532	582
b	166	186	208	232	258	290	325	365	412	462
c	204	228	255	285	320	361	406	456	508	568
d	284	308	345	375	420	461	506	576	628	688
e	198	218	238	262	288	318	353	393	438	514
f	238	262	288	318	353	393	438	514	564	624
g	49	59	69	81	81.5	96.5	51.5	71.5	94	69.5
h	2	2	2	2	2	2	3	3	3	4
i	100	100	100*	100*	125	125	125	125	125	125
j	69	81	81.5	96.5	51.5	71.5	94	69.5	94.5	62
k	2	2	2	2	3	3	3	4	4	5
l	12	12	12	12	14	14	16	18	18	22
m	7	7	10	10	10	10	10	12	12	12
ep1	4	4	5	5	6	6	6	8	8	8
Inlet flange										
n	8	8	12	12	12	16	16	16	24	24
p	11.5	11.5	11.5	11.5	11.5	14	14	14	14	14
q	366	405	448	497	551	629	698	775	869	958
r	315	355	400	450	500	560	630	710	800	900
s	395	435	490	540	600	660	740	820	910	1020
ep2	2.5	2.5	2.5	2.5	3	3	3	3	3	3
mass in (kg)	45	54	86	109	132	192	229	317	437	522

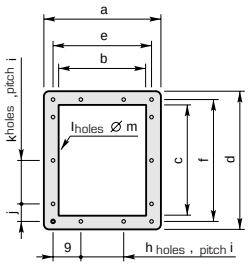
* 100 on the shortest side.
125 on the longest side.

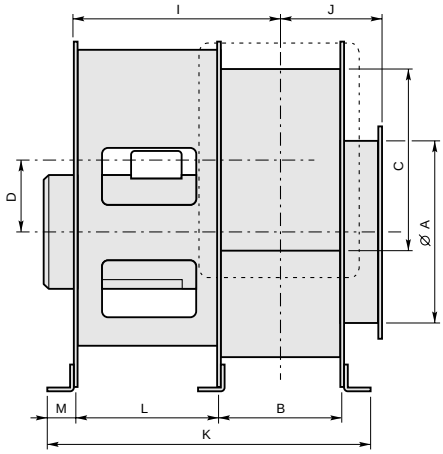
B and C are the internal dimensions of the fan outlet.
A corresponds to the internal diameter of the fan inlet.
D is the dimension between the middle of the fan oulet and the middle of the fan inlet.
P and R are warying with fan discharge position.

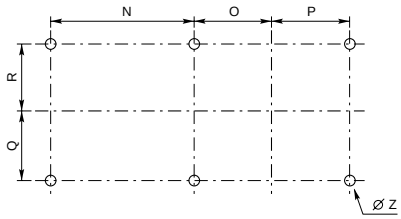
Inlet



Outlet

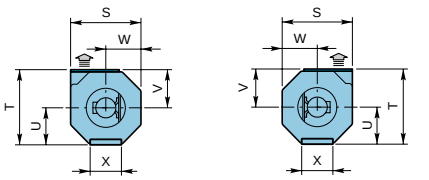




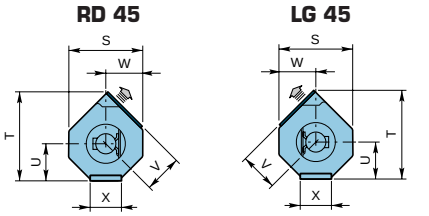


Centripal EU arrangement 4 - Width M

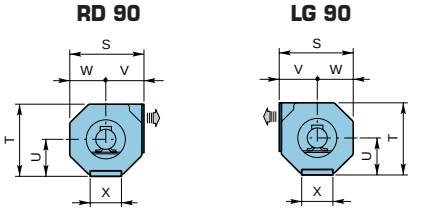
Variable dimensions *(orientation seen from drive side)*



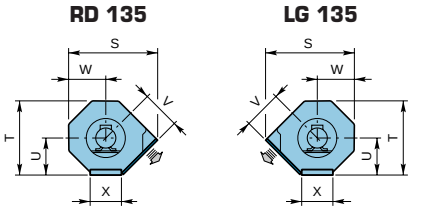
	315	355	400	450	500	560	630	710	800	900
Q	147	166	184	205	231	258	285	317	358	394
R	93	104	116	125	129	142	155	173	192	206
S	596	656	738	814	899	995	1102	1245	1380	1532
T	613	673	753	829	912	1018	1125	1274	1404	1556
U	326	357	397	437	480	540	596	676	742	822
V	288	316	356	392	433	478	529	599	663	735
W	272	297	335	368	399	440	486	550	607	673
X	270	295	327	358	392	431	479	531	587	650



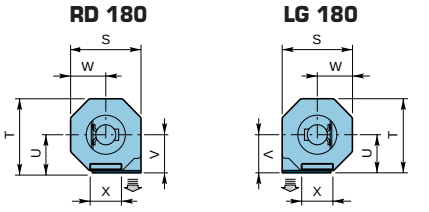
	315	355	400	450	500	560	630	710	800	900
Q	148	167	185	206	230	257	284	316	356	391
R	92	103	115	124	130	143	156	174	194	209
S	596	656	738	814	899	995	1102	1245	1380	1532
T	736	808	905	997	1107	1222	1352	1526	1688	1871
U	303	331	369	404	448	492	543	611	674	745
V	288	316	356	392	433	478	529	599	663	735
W	270	296	334	367	400	441	487	552	609	675
X	270	295	327	358	392	431	479	531	587	650



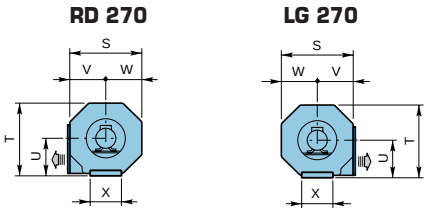
	315	355	400	450	500	560	630	710	800	900
Q	133	149	166	183	200	222	245	273	307	335
R	107	121	134	147	160	178	195	217	243	265
S	598	658	740	816	902	998	1105	1249	1384	1536
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	287	312	347	380	419	460	506	570	627	692
V	288	316	356	392	433	478	529	599	663	735
W	311	342	385	425	470	520	576	651	722	802
X	270	295	327	358	392	431	479	531	587	650



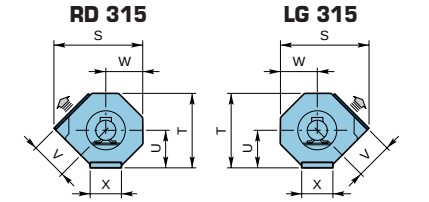
	315	355	400	450	500	560	630	710	800	900
Q	110	123	137	150	158	175	192	214	239	259
R	130	147	163	180	202	225	248	276	311	341
S	721	793	892	984	1087	1202	1332	1506	1668	1851
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	285	311	346	379	420	461	507	572	629	695
V	288	316	356	392	433	478	529	599	663	735
W	288	316	356	392	428	472	523	592	654	725
X	270	295	327	358	392	431	479	531	587	650



	315	355	400	450	500	560	630	710	800	900
Q	93	104	116	125	129	142	155	173	192	206
R	147	166	184	205	231	258	285	317	358	394
S	596	656	738	814	899	995	1102	1245	1380	1532
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	288	316	356	392	433	478	529	599	663	735
V	288	316	356	392	433	478	529	599	663	735
W	272	297	335	368	399	440	486	550	607	672
X	270	295	327	358	392	431	479	531	587	650



	315	355	400	450	500	560	630	710	800	900
Q	107	121	134	147	160	178	195	217	243	265
R	133	149	166	183	200	222	245	273	307	335
S	598	658	750	816	902	998	1105	1249	1384	1536
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	340	374	416	459	520	575	637	715	793	880
V	288	316	356	392	433	478	529	599	663	735
W	311	342	385	425	470	520	576	651	722	802
X	270	295	327	358	392	431	479	531	587	650



	315	355	400	450	500	560	630	710	800	900
Q	130	147	163	180	202	225	248	276	311	394
R	110	123	137	150	158	175	192	214	239	206
S	721	793	892	984	1087	1203	1332	1506	1668	1851
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	341	375	417	460	519	574	635	714	791	877
V	288	316	356	392	433	478	529	599	663	735
W	288	316	356	392	428	472	523	591	654	725
X	270	295	327	358	392	431	479	531	587	650

Sizes 1000 up to 1400: dimensions on demand.

Blade Type S, T

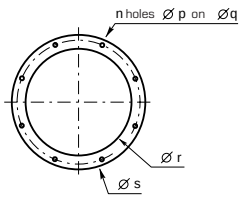
Dimensions for all orientations

EU M	315	355	400	450	500	560	630	710	800	900
A	200	224	250	280	315	355	400	450	500	560
B	160	180	200	224	250	280	315	355	400	450
C	200	224	250	280	315	355	400	450	500	560
D	182	204	230	258	289	324	363	407	459	516
I	346	358	434	536	544	661	679	804	819	849
J	145	162	184	207	235	265	291	324	364	410
K	509	531	628	752	773	906	941	1117	1155	1210
L	263	265	330	420	415	516	516	622	613	618
M	40	40	45	50	50	50	50	65	65	65
N	270	272	339	429	425	527	527	635	627	632
O	101	111	125	142	154	169	187	215	237	262
P	108	118	134	151	164	180	198	228	251	276
Z	10	10	10	12	12	12	12	12	12	12
Outlet flange										
a	246	266	298	322	358	390	425	485	532	582
b	166	186	208	232	258	290	325	365	412	462
c	204	228	255	285	320	361	406	456	508	568
d	284	308	345	375	420	461	506	576	628	688
e	198	218	238	262	288	318	353	393	438	514
f	238	262	288	318	353	393	438	514	564	624
g	49	59	69	81	81.5	96.5	51.5	71.5	94	69.5
h	2	2	2	2	2	2	3	3	3	4
i	100	100	100*	100*	125	125	125	125	125	125
j	69	81	81.5	96.5	51.5	71.5	94	69.5	94.5	62
k	2	2	2	2	3	3	3	4	4	5
l	12	12	12	12	14	14	16	18	18	22
m	7	7	10	10	10	10	10	12	12	12
ep1	4	4	5	5	6	6	6	8	8	8
Inlet flange										
n	8	8	8	8	8	8	12	12	12	16
p	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	14
q	241	265	292	332	366	405	448	497	551	629
r	191	213	239	270	303	342	385	433	486	546
s	265	292	320	360	395	445	490	540	600	670
ep2	3	3	4	4	4	4	4	4	4	4
mass in (kg)	46	55	90	115	137	200	240	330	450	540

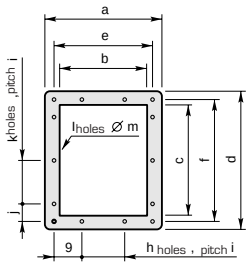
* 100 on the shortest side.
125 on the longest side.

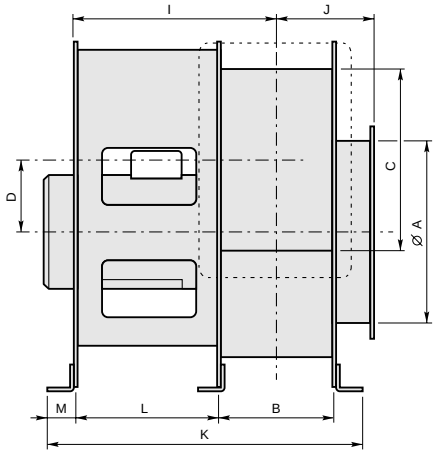
B and C are the internal dimensions of the fan outlet.
A corresponds to the internal diameter of the fan inlet.
D is the dimension between the middle of the fan oulet and the middle of the fan inlet.
P and R are warying with fan discharge position.

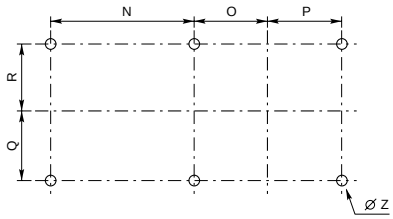
Inlet



Outlet







Centripal EU arrangement 4 - Width H

Variable dimensions *(orientation seen from drive side)*

		355	400	450	500	560	630	710	800	900
RD 0	Q	147	166	184	205	231	258	285	317	358
	R	93	104	116	125	129	142	155	173	192
	S	596	656	738	814	899	995	1102	1245	1380
	T	613	673	753	829	912	1018	1125	1274	1404
	U	326	357	397	437	480	540	596	676	742
	V	288	316	356	392	433	478	529	599	663
	W	272	297	335	368	399	440	486	550	607
	X	270	295	327	358	392	431	479	531	587
RD 45	Q	148	167	185	206	230	257	284	316	356
	R	92	103	115	124	130	143	156	174	194
	S	596	656	738	814	899	995	1102	1245	1380
	T	736	808	905	997	1107	1222	1352	1526	1688
	U	303	331	369	404	448	492	543	611	674
	V	288	316	356	392	433	478	529	599	663
	W	270	296	334	367	400	441	487	552	609
	X	270	295	327	358	392	431	479	531	587
RD 90	Q	133	149	166	183	200	222	245	273	307
	R	107	121	134	147	160	178	195	217	243
	S	598	658	740	816	902	998	1105	1249	1384
	T	611	671	750	826	919	1015	1122	1265	1400
	U	287	312	347	380	419	460	506	570	627
	V	288	316	356	392	433	478	529	599	663
	W	311	342	385	425	470	520	576	651	722
	X	270	295	327	358	392	431	479	531	587
RD 135	Q	110	123	137	150	158	175	192	214	239
	R	130	147	163	180	202	225	248	276	311
	S	721	793	892	984	1087	1202	1332	1506	1668
	T	611	671	750	826	919	1015	1122	1265	1400
	U	285	311	346	379	420	461	507	572	629
	V	288	316	356	392	433	478	529	599	663
	W	288	316	356	392	428	472	523	592	654
	X	270	295	327	358	392	431	479	531	587
RD 180	Q	93	104	116	125	129	142	155	173	192
	R	147	166	184	205	231	258	285	317	358
	S	596	656	738	814	899	995	1102	1245	1380
	T	611	671	750	826	919	1015	1122	1265	1400
	U	288	316	356	392	433	478	529	599	663
	V	288	316	356	392	433	478	529	599	663
	W	272	297	335	368	399	440	486	550	607
	X	270	295	327	358	392	431	479	531	587
RD 270	Q	107	121	134	147	160	178	195	217	243
	R	133	149	166	183	200	222	245	273	307
	S	598	658	750	816	902	998	1105	1249	1384
	T	611	671	750	826	919	1015	1122	1265	1400
	U	340	374	416	459	520	575	637	715	793
	V	288	316	356	392	433	478	529	599	663
	W	311	342	385	425	470	520	576	651	722
	X	270	295	327	358	392	431	479	531	587
RD 315	Q	130	147	163	180	202	225	248	276	311
	R	110	123	137	150	158	175	192	214	239
	S	721	793	892	984	1087	1203	1332	1506	1668
	T	611	671	750	826	919	1015	1122	1265	1400
	U	341	375	417	460	519	574	635	714	791
	V	288	316	356	392	433	478	529	599	663
	W	288	316	356	392	428	472	523	591	654
	X	270	295	327	358	392	431	479	531	587

Sizes 1000 up to 1400: dimensions on demand.

Blade Type B, L

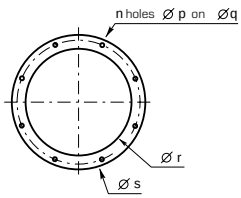
Dimensions for all orientations

EU H	355	400	450	500	560	630	710	800	900
A	250	280	315	355	400	450	500	560	630
B	160	180	200	224	250	280	315	355	400
C	200	224	250	280	315	355	400	450	500
D	182	204	230	258	289	324	363	407	459
I	347	359	434	537	545	663	681	806	821
J	101	112	129	144	166	187	203	225	253
K	510	532	628	753	774	908	943	1118	1157
L	264	266	331	421	416	518	518	624	615
M	40	40	45	50	50	50	50	65	65
N	271	273	340	430	426	529	529	636	629
O	101	111	125	142	154	169	187	215	237
P	108	118	134	151	164	180	198	228	251
Z	10	10	10	12	12	12	12	12	12
Outlet flange									
a	246	266	298	322	358	390	425	485	532
b	166	186	208	232	258	290	325	365	412
c	204	228	255	285	320	361	406	456	508
d	284	308	345	375	420	461	506	576	628
e	198	218	238	262	288	318	353	393	438
f	238	262	288	318	353	393	438	514	564
g	49	59	69	81	81.5	96.5	51.5	71.5	94
h	2	2	2	2	2	2	3	3	3
i	100	100	100*	100*	125	125	125	125	125
j	69	81	81.5	96.5	51.5	71.5	31.5	69.5	94.5
k	2	2	2	2	3	3	3	4	4
l	12	12	12	12	14	14	16	18	18
m	7	7	10	10	10	10	10	12	12
ep1	4	4	5	5	6	6	6	8	8
Inlet flange									
n	8	8	8	8	12	12	12	16	16
p	11.5	11.5	11.5	11.5	11.5	11.5	11.5	14	14
q	292	332	366	405	448	497	551	629	698
r	250	280	315	355	400	450	500	560	630
s	310	350	395	435	490	540	600	660	740
ep2	2.5	2.5	2.5	2.5	2.5	2.5	3	3	3
mass in (kg)	45	49	87	112	134	193	241	324	457

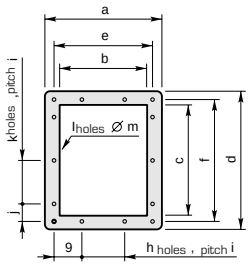
* 100 on the shortest side.
125 on the longest side.

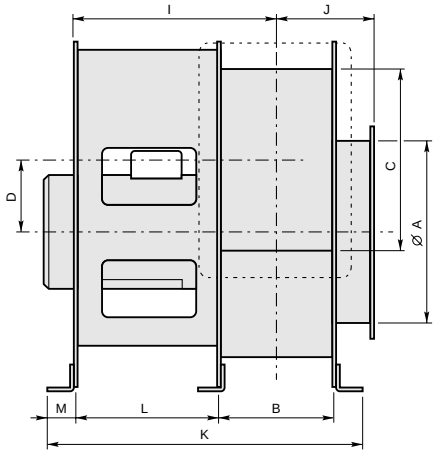
B and C are the internal dimensions of the fan outlet.
A corresponds to the internal diameter of the fan inlet.
D is the dimension between the middle of the fan oulet and the middle of the fan inlet.
P and R are warying with fan discharge position.

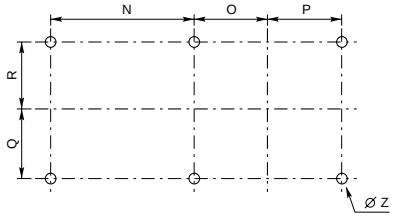
Inlet



Outlet







Centripal EU arrangement 4 - Width H

Variable dimensions *(orientation seen from drive side)*

		355	400	450	500	560	630	710	800	900
RD 0	Q	147	166	184	205	231	258	285	317	358
	R	93	104	116	125	129	142	155	173	192
	S	596	656	738	814	899	995	1102	1245	1380
	T	613	673	753	829	912	1018	1125	1274	1404
	U	326	357	397	437	480	540	596	676	742
	V	288	316	356	392	433	478	529	599	663
	W	272	297	335	368	399	440	486	550	607
	X	270	295	327	358	392	431	479	531	587
RD 45	Q	148	167	185	206	230	257	284	316	356
	R	92	103	115	124	130	143	156	174	194
	S	596	656	738	814	899	995	1102	1245	1380
	T	736	808	905	997	1107	1222	1352	1526	1688
	U	303	331	369	404	448	492	543	611	674
	V	288	316	356	392	433	478	529	599	663
	W	270	296	334	367	400	441	487	552	609
	X	270	295	327	358	392	431	479	531	587
RD 90	Q	133	149	166	183	200	222	245	273	307
	R	107	121	134	147	160	178	195	217	243
	S	598	658	740	816	902	998	1105	1249	1384
	T	611	671	750	826	919	1015	1122	1265	1400
	U	287	312	347	380	419	460	506	570	627
	V	288	316	356	392	433	478	529	599	663
	W	311	342	385	425	470	520	576	651	722
	X	270	295	327	358	392	431	479	531	587
RD 135	Q	110	123	137	150	158	175	192	214	239
	R	130	147	163	180	202	225	248	276	311
	S	721	793	892	984	1087	1202	1332	1506	1668
	T	611	671	750	826	919	1015	1122	1265	1400
	U	285	311	346	379	420	461	507	572	629
	V	288	316	356	392	433	478	529	599	663
	W	288	316	356	392	428	472	523	592	654
	X	270	295	327	358	392	431	479	531	587
RD 180	Q	93	104	116	125	129	142	155	173	192
	R	147	166	184	205	231	258	285	317	358
	S	596	656	738	814	899	995	1102	1245	1380
	T	611	671	750	826	919	1015	1122	1265	1400
	U	288	316	356	392	433	478	529	599	663
	V	288	316	356	392	433	478	529	599	663
	W	272	297	335	368	399	440	486	550	607
	X	270	295	327	358	392	431	479	531	587
RD 270	Q	107	121	134	147	160	178	195	217	243
	R	133	149	166	183	200	222	245	273	307
	S	598	658	750	816	902	998	1105	1249	1384
	T	611	671	750	826	919	1015	1122	1265	1400
	U	340	374	416	459	520	575	637	715	793
	V	288	316	356	392	433	478	529	599	663
	W	311	342	385	425	470	520	576	651	722
	X	270	295	327	358	392	431	479	531	587
RD 315	Q	130	147	163	180	202	225	248	276	311
	R	110	123	137	150	158	175	192	214	239
	S	721	793	892	984	1087	1203	1332	1506	1668
	T	611	671	750	826	919	1015	1122	1265	1400
	U	341	375	417	460	519	574	635	714	791
	V	288	316	356	392	433	478	529	599	663
	W	288	316	356	392	428	472	523	591	654
	X	270	295	327	358	392	431	479	531	587

Sizes 1000 up to 1400: dimensions on demand.

Blade Type S, T

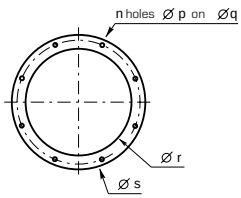
Dimensions for all orientations

EU H	355	400	450	500	560	630	710	800	900
A	160	180	200	224	250	280	315	355	400
B	160	180	200	224	250	280	315	355	400
C	200	224	250	280	315	355	400	450	500
D	182	204	230	258	289	324	363	407	459
I	347	359	434	537	545	663	681	806	821
J	133	143	159	171	189	205	227	248	276
K	510	532	628	753	774	908	943	1118	1157
L	264	266	331	421	416	518	518	624	615
M	40	40	45	50	50	50	50	65	65
N	271	273	340	430	426	529	529	636	629
O	101	111	125	142	154	169	187	215	237
P	108	118	134	151	164	180	198	228	251
Z	10	10	10	12	12	12	12	12	12
Outlet flange									
a	246	266	288	322	358	390	425	485	532
b	166	186	208	232	258	290	325	385	412
c	204	228	255	285	320	361	406	456	508
d	284	308	345	375	420	461	506	576	628
e	198	218	238	262	288	318	353	393	438
f	238	262	288	318	353	393	438	514	564
g	49	59	69	81	81.5	96.5	51.5	71.5	94
h	2	2	2	2	2	2	3	3	3
i	100	100	100*	100*	125	125	125	125	125
j	69	81	81.5	96.5	51.5	71.5	31.5	69.5	94.5
k	2	2	2	2	3	3	3	4	4
l	12	12	12	12	14	14	16	18	18
m	7	7	10	10	10	10	10	12	12
ep1	4	4	5	5	6	6	6	8	8
Inlet flange									
n	8	8	8	8	8	8	8	8	12
p	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
q	200	219	241	265	292	332	366	405	448
r	151	170	192	214	242	272	305	344	385
s	220	239	265	292	320	360	395	435	490
ep2	2	2	2.5	2.5	2.5	3	3	3	4
mass in (kg)	46	55	90	114	137	197	241	334	468

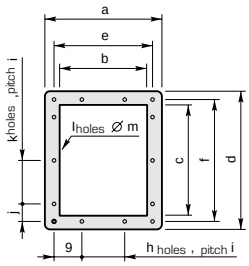
* 100 on the shortest side.
125 on the longest side.

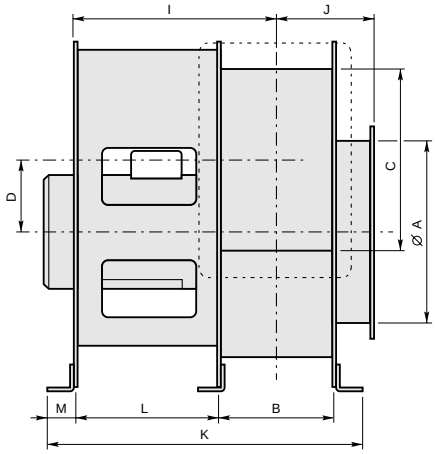
B and C are the internal dimensions of the fan outlet.
A corresponds to the internal diameter of the fan inlet.
D is the dimension between the middle of the fan oulet and the middle of the fan inlet.
P and R are warying with fan discharge position.

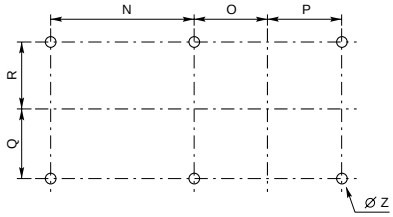
Inlet



Outlet







Centripal EU arrangement 4 - Widths N - P

Variable dimensions *(orientation seen from drive side)*

		355	400	450	500	560	630	710	800	900
RD 0 / **LG 0**	Q	147	166	184	205	231	258	285	317	358
	R	93	104	116	125	129	142	155	173	192
	S	596	656	738	814	899	995	1102	1245	1380
	T	613	673	753	829	912	1018	1125	1274	1404
	U	326	357	397	437	480	540	596	676	742
	V	288	316	356	392	433	478	529	599	663
	W	272	297	335	368	399	440	486	550	607
	X	270	295	327	358	392	431	479	531	587
RD 45 / **LG 45**	Q	148	167	185	206	230	257	284	316	356
	R	92	103	115	124	130	143	156	174	194
	S	596	656	738	814	899	995	1102	1245	1380
	T	736	808	905	997	1107	1222	1352	1526	1688
	U	303	331	369	404	448	492	543	611	674
	V	288	316	356	392	433	478	529	599	663
	W	270	296	334	367	400	441	487	552	609
	X	270	295	327	358	392	431	479	531	587
RD 90 / **LG 90**	Q	133	149	166	183	200	222	245	273	307
	R	107	121	134	147	160	178	195	217	243
	S	598	658	740	816	902	998	1105	1249	1384
	T	611	671	750	826	919	1015	1122	1265	1400
	U	287	312	347	380	419	460	506	570	627
	V	288	316	356	392	433	478	529	599	663
	W	311	342	385	425	470	520	576	651	722
	X	270	295	327	358	392	431	479	531	587
RD 135 / **LG 135**	Q	110	123	137	150	158	175	192	214	239
	R	130	147	163	180	202	225	248	276	311
	S	721	793	892	984	1087	1202	1332	1506	1668
	T	611	671	750	826	919	1015	1122	1265	1400
	U	285	311	346	379	420	461	507	572	629
	V	288	316	356	392	433	478	529	599	663
	W	288	316	356	392	428	472	523	592	654
	X	270	295	327	358	392	431	479	531	587
RD 180 / **LG 180**	Q	93	104	116	125	129	142	155	173	192
	R	147	166	184	205	231	258	285	317	358
	S	596	656	738	814	899	995	1102	1245	1380
	T	611	671	750	826	919	1015	1122	1265	1400
	U	288	316	356	392	433	478	529	599	663
	V	288	316	356	392	433	478	529	599	663
	W	272	297	335	368	399	440	486	550	607
	X	270	295	327	358	392	431	479	531	587
RD 270 / **LG 270**	Q	107	121	134	147	160	178	195	217	243
	R	133	149	166	183	200	222	245	273	307
	S	598	658	750	816	902	998	1105	1249	1384
	T	611	671	750	826	919	1015	1122	1265	1400
	U	340	374	416	459	520	575	637	715	793
	V	288	316	356	392	433	478	529	599	663
	W	311	342	385	425	470	520	576	651	722
	X	270	295	327	358	392	431	479	531	587
RD 315 / **LG 315**	Q	130	147	163	180	202	225	248	276	311
	R	110	123	137	150	158	175	192	214	239
	S	721	793	892	984	1087	1203	1332	1506	1668
	T	611	671	750	826	919	1015	1122	1265	1400
	U	341	375	417	460	519	574	635	714	791
	V	288	316	356	392	433	478	529	599	663
	W	288	316	356	392	428	472	523	591	654
	X	270	295	327	358	392	431	479	531	587

Sizes 1000 up to 1400: dimensions on demand.

Blade Type B, L

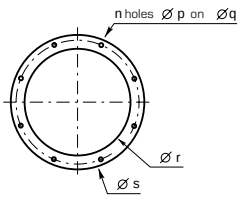
Dimensions for all orientations

EU NP	355	400	450	500	560	630	710	800	900
A	250	280	315	355	400	450	500	560	630
B	80	90	100	112	125	140	160	180	200
C	200	224	250	280	315	355	400	450	500
D	182	204	230	258	289	324	363	407	459
I	307	314	385	481	483	593	603	718	721
J	118	131	150	167	191	216	234	261	295
K	430	442	529	641	649	768	788	943	957
L	264	266	331	421	416	518	518	623	615
M	40	40	45	50	50	50	50	65	65
N	271	273	340	430	426	529	529	637	629
O	61	66	75	86	92	99	110	128	137
P	68	73	84	95	102	110	121	141	151
Z	10	10	10	12	12	12	12	12	12
Outlet flange									
a	166	176	198	210	233	250	270	310	332
b	87	97	109	121	134	151	171	191	213
c	205	229	256	286	321	361	406	456	507
d	284	308	345	375	420	460	505	575	626
e	118	128	138	150	163	178	198	218	238
f	238	262	288	318	353	393	438	514	564
g	59	64	69	75	46	53.5	49	59	69
h	-	-	-	-	2	2	2	2	2
i	100	100	125	125	71/125*	71/125*	100/125*	100/125*	100/125*
j	69	81	81.5	96.5	51.5	71.5	94	69.5	94.5
k	2	2	2	2	3	3	3	4	4
l	10	10	10	10	14	14	14	16	16
m	7	7	10	10	10	10	10	12	12
ep1	4	4	5	5	6	6	6	8	8
Inlet flange									
n	8	8	8	8	12	12	12	16	16
p	11.5	11.5	11.5	11.5	11.5	11.5	11.5	14	14
q	292	332	366	405	448	497	551	629	698
r	250	280	315	355	400	450	500	560	630
s	310	350	395	435	490	540	600	660	740
ep2	2.5	2.5	2.5	2.5	2.5	2.5	3	3	3
mass in (kg)	43	52	84	108	129	184	229	313	437

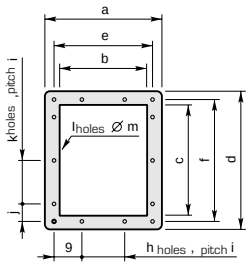
* 100 on the shortest side.
125 on the longest side.

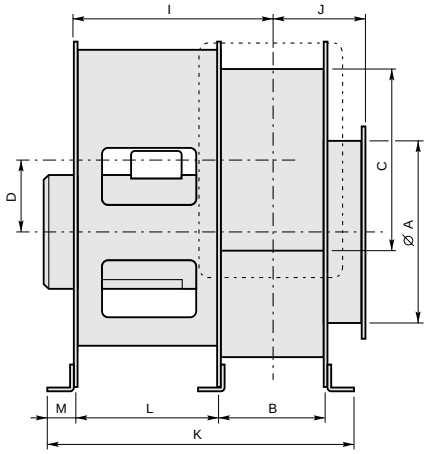
B and C are the internal dimensions of the fan outlet.
A corresponds to the internal diameter of the fan inlet.
D is the dimension between the middle of the fan oulet and the middle of the fan inlet.
P and R are warying with fan discharge position.

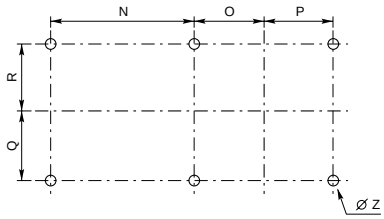
Inlet



Outlet







Centripal EU arrangement 4 - Widths R - S

Variable dimensions *(orientation seen from drive side)*

		355	400	450	500	560	630	710	800	900
RD 0	Q	147	166	184	205	231	258	285	317	358
	R	93	104	116	125	129	142	155	173	192
	S	596	656	738	814	899	995	1102	1245	1380
	T	613	673	753	829	912	1018	1125	1274	1404
	U	326	357	397	437	480	540	596	676	742
	V	288	316	356	392	433	478	529	599	663
	W	272	297	335	368	399	440	486	550	607
	X	270	295	327	358	392	431	479	531	587
RD 45	Q	148	167	185	206	230	257	284	316	356
	R	92	103	115	124	130	143	156	174	194
	S	596	656	738	814	899	995	1102	1245	1380
	T	736	808	905	997	1107	1222	1352	1526	1688
	U	303	331	369	404	448	492	543	611	674
	V	288	316	356	392	433	478	529	599	663
	W	270	296	334	367	400	441	487	552	609
	X	270	295	327	358	392	431	479	531	587
RD 90	Q	133	149	166	183	200	222	245	273	307
	R	107	121	134	147	160	178	195	217	243
	S	598	658	740	816	902	998	1105	1249	1384
	T	611	671	750	826	919	1015	1122	1265	1400
	U	287	312	347	380	419	460	506	570	627
	V	288	316	356	392	433	478	529	599	663
	W	311	342	385	425	470	520	576	651	722
	X	270	295	327	358	392	431	479	531	587
RD 135	Q	110	123	137	150	158	175	192	214	239
	R	130	147	163	180	202	225	248	276	311
	S	721	793	892	984	1087	1202	1332	1506	1668
	T	611	671	750	826	919	1015	1122	1265	1400
	U	285	311	346	379	420	461	507	572	629
	V	288	316	356	392	433	478	529	599	663
	W	288	316	356	392	428	472	523	592	654
	X	270	295	327	358	392	431	479	531	587
RD 180	Q	93	104	116	125	129	142	155	173	192
	R	147	166	184	205	231	258	285	317	358
	S	596	656	738	814	899	995	1102	1245	1380
	T	611	671	750	826	919	1015	1122	1265	1400
	U	288	316	356	392	433	478	529	599	663
	V	288	316	356	392	433	478	529	599	663
	W	272	297	335	368	399	440	486	550	607
	X	270	295	327	358	392	431	479	531	587
RD 270	Q	107	121	134	147	160	178	195	217	243
	R	133	149	166	183	200	222	245	273	307
	S	598	658	750	816	902	998	1105	1249	1384
	T	611	671	750	826	919	1015	1122	1265	1400
	U	340	374	416	459	520	575	637	715	793
	V	288	316	356	392	433	478	529	599	663
	W	311	342	385	425	470	520	576	651	722
	X	270	295	327	358	392	431	479	531	587
RD 315	Q	130	147	163	180	202	225	248	276	311
	R	110	123	137	150	158	175	192	214	239
	S	721	793	892	984	1087	1203	1332	1506	1668
	T	611	671	750	826	919	1015	1122	1265	1400
	U	341	375	417	460	519	574	635	714	791
	V	288	316	356	392	433	478	529	599	663
	W	288	316	356	392	428	472	523	591	654
	X	270	295	327	358	392	431	479	531	587

Sizes 1000 up to 1400: dimensions on demand.

Blade Type B, L

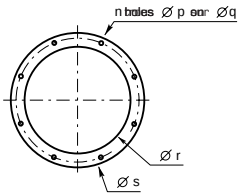
Dimensions for all orientations

EU RS	355	400	450	500	560	630	710	800	900
A	160	180	200	224	250	280	315	355	400
B	56	63	71	80	90	100	112	125	140
C	140	160	180	200	224	250	280	315	355
D	211	236	264	298	334	376	423	474	532
I	295	301	371	465	465	573	579	691	691
J	83	94	106	118	135	153	168	185	211
K	406	415	500	609	614	728	740	888	897
L	264	266	331	421	416	518	518	623	615
M	40	40	45	50	50	50	50	65	65
N	271	273	340	430	426	529	529	637	629
O	49	53	61	70	74	79	85	100	107
P	56	60	70	79	84	90	96	113	121
Z	10	10	10	12	12	12	12	12	12
Outlet flange									
a	142	149	169	178	198	210	222	255	272
b	63	70	80	89	99	111	123	136	153
c	145	165	186	206	230	256	286	321	362
d	226	246	275	295	329	355	385	440	481
e	94	101	109	118	128	138	150	163	178
f	178	198	218	238	262	288	318	353	393
g	-	-	-	59	64	69	75	46	53.5
h	-	-	-	-	-	-	-	2	2
i	71	100	100	100	100	125	125	71/125*	71/125*
j	53.5	49	59	69	81	81.5	96.5	51.5	71.5
k	2	2	2	2	2	2	2	3	3
l	8	8	10	10	10	10	10	14	14
m	7	7	7	7	7	10	10	10	10
ep1	4	4	5	5	6	6	6	8	8
Inlet flange									
n	8	8	8	8	8	8	8	8	12
p	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
q	200	219	241	265	292	332	366	405	448
r	160	180	200	224	250	280	312	355	400
s	220	239	261	285	310	350	395	435	490
ep2	2	2	2	2	2.5	2.5	2.5	2.5	2.5
mass in (kg)	41	50	81	105	125	180	223	303	424

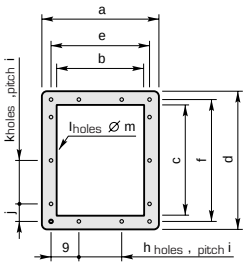
* 100 on the shortest side.
125 on the longest side.

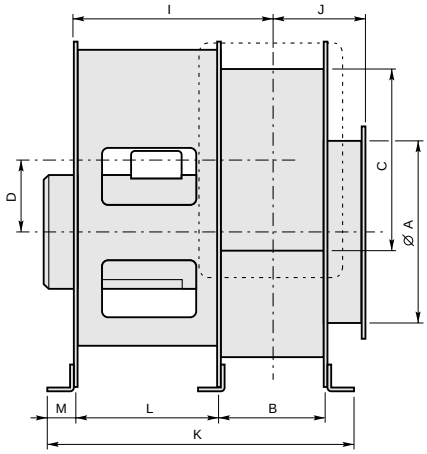
B and C are the internal dimensions of the fan outlet.
A corresponds to the internal diameter of the fan inlet.
D is the dimension between the middle of the fan oulet and the middle of the fan inlet.
P and R are warying with fan discharge position.

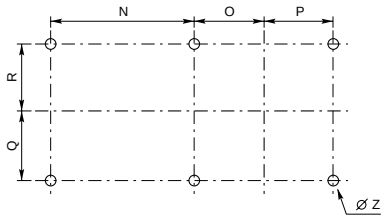
Inlet



Outlet







Centripal EU arrangement 4 - Width R

Variable dimensions *(orientation seen from drive side)*

		450	500	560	630	710	800	900
RD 0	Q	184	205	231	258	285	317	358
	R	116	125	129	142	155	173	192
	S	738	814	899	995	1102	1245	1380
	T	753	829	912	1018	1125	1274	1404
	U	397	437	480	540	596	676	742
	V	356	392	433	478	529	599	683
	W	335	368	398	440	486	550	607
	X	327	358	392	431	479	531	587
RD 45	Q	185	206	230	257	284	316	356
	R	115	124	130	143	156	174	194
	S	738	814	899	995	1102	1245	1380
	T	905	997	1107	1222	1352	1526	1688
	U	369	404	448	492	543	611	674
	V	356	392	433	478	529	599	663
	W	334	367	400	441	487	552	609
	X	327	358	392	431	479	531	587
RD 90	Q	166	183	200	222	245	273	307
	R	134	147	160	178	195	217	243
	S	740	816	902	998	1105	1249	1384
	T	750	826	919	1015	1122	1265	1400
	U	347	380	419	460	506	570	627
	V	356	392	433	478	529	599	663
	W	385	425	470	520	576	651	722
	X	327	358	392	431	479	531	587
RD 135	Q	137	150	158	175	192	214	239
	R	163	180	202	225	248	276	311
	S	892	984	1087	1202	1332	1506	1868
	T	750	826	919	1015	1122	1265	1400
	U	346	379	420	461	507	572	629
	V	356	392	433	478	529	599	663
	W	356	392	428	472	523	592	654
	X	327	358	392	431	479	531	587
RD 180	Q	116	125	129	142	155	173	192
	R	184	205	231	258	285	317	358
	S	738	814	899	995	1102	1245	1380
	T	750	826	919	1015	1122	1265	1400
	U	356	392	433	478	529	599	663
	V	356	392	433	478	529	599	663
	W	335	368	399	440	486	550	607
	X	327	358	392	431	479	531	587
RD 270	Q	134	147	160	178	195	217	243
	R	166	183	200	222	245	273	307
	S	750	816	902	998	1105	1249	1384
	T	750	826	919	1015	1122	1265	1400
	U	416	459	520	575	637	715	793
	V	356	392	433	478	529	599	663
	W	385	425	470	520	576	651	722
	X	327	358	392	431	479	531	587
RD 315	Q	163	180	202	225	248	276	311
	R	137	150	158	175	192	214	239
	S	892	984	1087	1203	1332	1506	1668
	T	750	826	919	1015	1122	1265	1400
	U	417	460	519	574	635	714	791
	V	356	392	433	478	529	599	663
	W	356	392	428	472	523	591	654
	X	327	358	392	431	479	531	587

Sizes 1000 up to 1400: dimensions on demand.

Blade Type T

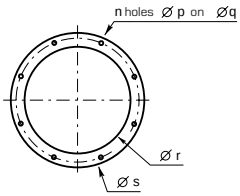
Dimensions for all orientations

EU R	450	500	560	630	710	800	900
A	125	140	160	180	200	224	250
B	71	80	90	100	112	125	140
C	180	200	224	250	280	315	355
D	264	298	334	376	423	474	532
I	371	465	465	573	579	691	691
J	95	99	109	115	126	133	146
K	500	609	614	728	740	888	897
L	331	421	416	518	518	623	615
M	45	50	50	50	50	65	65
N	340	430	426	529	529	637	629
O	61	70	74	79	85	100	107
P	70	79	84	90	96	113	121
Z	10	12	12	12	12	12	12
Outlet flange							
a	169	178	198	210	222	255	272
b	80	89	99	111	123	136	153
c	186	206	230	256	286	321	362
d	275	295	329	355	385	440	481
e	109	118	128	138	150	163	178
f	218	238	262	288	318	353	393
g	-	59	64	69	75	46	53.5
h	-	-	-	-	-	2	2
i	100	100	100	125	125	71/125*	71/125*
j	59	69	81	81.5	96.5	51.5	71.5
k	2	2	2	2	2	3	3
l	10	10	10	10	10	14	14
m	7	7	7	10	10	10	10
ep1	5	5	6	6	6	8	8
Inlet flange							
n	4	8	8	8	8	8	8
p	9.5	11.5	11.5	11.5	11.5	11.5	11.5
q	165	182	200	219	241	265	292
r	118	133	150	168	191	213	239
s	185	205	220	239	265	292	320
ep2	2.5	2.5	2.5	3	3	3	4
mass in (kg)	81	103	126	179	222	308	424

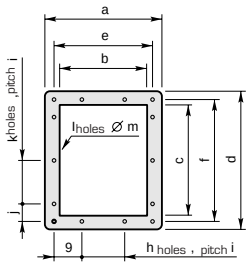
* 100 on the shortest side.
125 on the longest side.

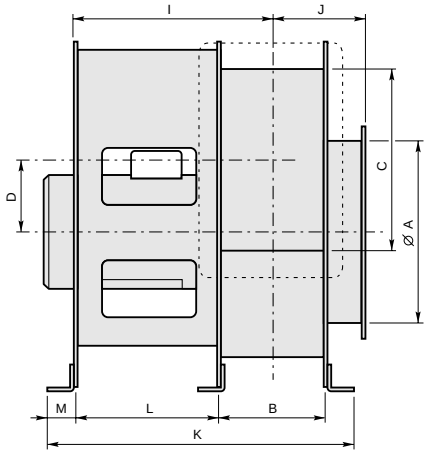
B and C are the internal dimensions of the fan outlet.
A corresponds to the internal diameter of the fan inlet.
D is the dimension between the middle of the fan oulet and the middle of the fan inlet.
P and R are warying with fan discharge position.

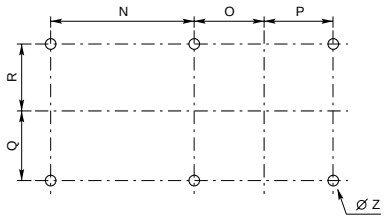
Inlet



Outlet







Centripal EU arrangement 4 - Widths T - V - W

Variable dimensions *(orientation seen from drive side)*

		450	500	560	630	710	800	900	1000
RD 0 / **LG 0**	Q	135	150	165	180	200	220	245	275
	R	135	150	165	180	200	220	245	275
	S	605	683	758	846	940	1045	1185	1320
	T	613	698	769	862	958	1065	1209	1344
	U	313	351	389	440	487	541	613	680
	V	300	341	379	423	470	524	597	664
	W	298	339	377	420	467	521	593	660
	X	295	327	358	392	431	479	531	587
RD 45 / **LG 45**	Q	135	150	165	180	200	220	245	275
	R	135	150	165	180	200	220	245	275
	S	596	678	754	839	935	1042	1185	1320
	T	742	836	927	1040	1154	1282	1453	1614
	U	313	351	389	440	487	541	613	680
	V	300	341	379	423	470	524	597	664
	W	298	339	377	420	467	521	593	660
	X	295	327	358	392	431	479	531	587
RD 90 / **LG 90**	Q	135	150	165	180	200	220	245	275
	R	135	150	165	180	200	220	245	275
	S	598	680	756	842	938	1045	1189	1324
	T	620	696	766	866	960	1065	1205	1340
	U	313	351	389	440	487	541	613	680
	V	300	341	379	423	470	524	597	664
	W	298	339	377	420	467	521	593	660
	X	295	327	358	392	431	479	531	587
RD 135 / **LG 135**	Q	135	150	165	180	200	220	245	275
	R	135	150	165	180	200	220	245	275
	S	727	683	914	1020	1134	1262	1433	1594
	T	611	696	766	839	955	1062	1205	1340
	U	313	351	389	440	487	541	613	680
	V	300	341	379	423	470	524	597	664
	W	298	339	377	420	467	521	593	660
	X	295	327	358	392	431	479	531	587
RD 180 / **LG 180**	Q	135	150	165	180	200	220	245	275
	R	135	150	165	180	200	220	245	275
	S	605	683	758	846	940	1045	1188	1320
	T	598	680	756	842	938	1045	1189	1324
	U	300	351	389	423	470	524	597	664
	V	300	341	379	423	470	524	597	664
	W	298	339	377	420	467	521	593	660
	X	295	327	358	392	431	479	531	587
RD 270 / **LG 270**	Q	135	150	165	180	200	220	245	275
	R	135	150	165	180	200	220	245	275
	S	598	680	756	842	938	1045	1189	1324
	T	611	696	766	860	955	1062	1205	1340
	U	300	341	379	440	487	541	613	680
	V	300	341	379	423	470	524	597	664
	W	298	339	377	420	467	521	593	660
	X	295	327	358	392	431	479	531	587
RD 315 / **LG 315**	Q	135	150	165	180	200	220	245	275
	R	135	150	165	180	200	220	245	275
	S	727	824	914	1020	1134	1203	1433	1594
	T	611	696	766	839	955	1062	1205	1340
	U	313	351	389	440	487	541	613	680
	V	300	341	379	423	470	524	597	664
	W	298	339	377	420	467	521	593	660
	X	295	327	358	392	431	479	531	587

Sizes 1000 up to 1400: dimensions on demand.

Blade Type B

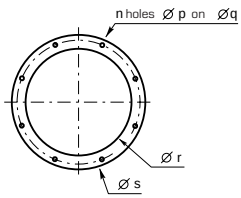
Dimensions for all orientations

EU TVW	450	500	560	630	710	800	900	1000
A	200	224	250	280	315	355	400	450
B	45	50	56	63	71	80	90	100
C	112	125	140	160	180	200	224	250
D	209	234	263	294	330	371	417	469
I	292	360	453	452	518	561	673	669
J	92	103	118	133	147	162	185	202
K	397	479	585	587	699	706	853	855
L	260	331	421	416	559	516	623	613
M	40	45	50	50	50	50	65	65
N	317	390	488	487	594	596	718	714
O	-	-	-	-	-	-	-	-
P	51	59	67	71	76	80	95	101
Z	10	10	12	12	12	12	12	12
Outlet flange								
a	131	148	154	171	181	190	220	232
b	52	59	65	72	82	91	101	113
c	117	131	146	166	186	206	230	257
d	196	220	235	265	285	305	349	376
e	83	88	94	101	109	118	128	138
f	150	163	178	198	218	238	262	288
g	-	-	-	-	-	59	64	69
h	-	-	-	-	-	-	-	-
i	71	71	71	100	100	100	100	125
j	39.5	46	53.5	49	59	69	81	81.5
k	2	2	2	2	2	2	2	2
l	8	8	8	8	8	10	10	10
m	7	7	7	7	7	7	7	7
ep1	4	5	5	6	6	6	8	8
Inlet flange								
n	8	8	8	8	8	8	12	12
p	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
q	241	265	292	332	366	405	448	497
r	200	224	250	280	315	355	400	450
s	261	285	310	350	395	435	490	540
ep2	2	2	2.5	2.5	2.5	2.5	2.5	2.5
mass in (kg)	45	61	97	120	175	198	292	400

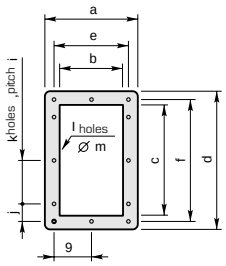
* 100 on the shortest side.
125 on the longest side.

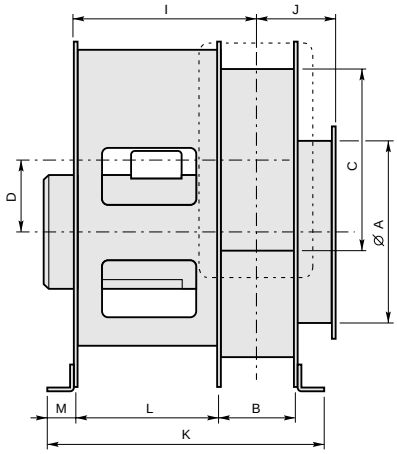
B and C are the internal dimensions of the fan outlet.
A corresponds to the internal diameter of the fan inlet.
D is the dimension between the middle of the fan oulet and the middle of the fan inlet.
P and R are warying with fan discharge position.

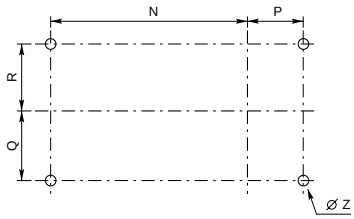
Inlet



Outlet







Centripal EU arrangement 1 - Width L

Variable dimensions *(orientation seen from drive side)*

	315	355	400	450	500	560	630	710	800	900
RD 0 / **LG 0**										
Q	147	166	184	205	231	258	285	317	358	394
R	93	104	116	125	129	142	155	173	192	206
S	1092	1151	1321	1382	1489	1647	1804	2037	2167	2339
T	613	673	753	829	912	1018	1125	1274	1404	1556
U	326	357	397	437	480	540	596	676	742	822
V	288	316	356	392	433	478	529	599	663	735
W	272	297	335	368	399	440	486	550	607	673
X	810	852	963	1017	1065	1188	1300	1425	1519	1672
RD 45 / **LG 45**										
Q	148	167	185	206	230	257	284	316	356	391
R	92	103	115	124	130	143	156	174	194	209
S	1092	1151	1321	1382	1489	1647	1804	2037	2167	2339
T	736	808	905	997	1107	1222	1352	1526	1688	1871
U	303	331	369	404	448	492	543	611	674	745
V	288	316	356	392	433	478	529	599	663	735
W	270	296	334	367	400	441	487	552	609	675
X	810	852	963	1017	1065	1188	1300	1425	1519	1672
RD 90 / **LG 90**										
Q	133	149	166	183	200	222	245	273	307	335
R	107	121	134	147	160	178	195	217	243	265
S	1094	1153	1323	1384	1492	1650	1807	2041	2171	2343
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	287	312	347	380	419	460	506	570	627	692
V	288	316	356	392	433	478	529	599	663	735
W	311	342	385	425	470	520	576	651	722	802
X	810	852	963	1017	1065	1188	1300	1425	1519	1672
RD 135 / **LG 135**										
Q	110	123	137	150	158	175	192	214	239	259
R	130	147	163	180	202	225	248	276	311	341
S	1217	1288	1475	1552	1677	1854	2034	2298	2455	2658
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	285	311	346	379	420	461	507	572	629	695
V	288	316	356	392	433	478	529	599	663	735
W	288	316	356	392	428	472	523	592	654	725
X	810	852	963	1017	1065	1188	1300	1425	1519	1672
RD 180 / **LG 180**										
Q	93	104	116	125	129	142	155	173	192	206
R	147	166	184	205	231	258	285	317	358	394
S	1092	1151	1321	1382	1489	1647	1804	2037	2167	2339
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	288	316	356	392	433	478	529	599	663	735
V	288	316	356	392	433	478	529	599	663	735
W	272	297	335	368	399	440	486	550	607	672
X	810	852	963	1017	1065	1188	1300	1425	1519	1672
RD 270 / **LG 270**										
Q	107	121	134	147	160	178	195	217	243	265
R	133	149	166	183	200	222	245	273	307	335
S	1094	1153	1323	1384	1492	1650	1807	2041	2171	2343
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	340	374	416	459	520	575	637	715	793	880
V	288	316	356	392	433	478	529	599	663	735
W	311	342	385	425	470	520	576	651	722	802
X	810	852	963	1017	1065	1188	1300	1425	1519	1672
RD 315 / **LG 315**										
Q	130	147	163	180	202	225	248	276	311	394
R	110	123	137	150	158	175	192	214	239	206
S	1217	1288	1475	1552	1677	1854	2034	2298	2455	2658
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	341	375	417	460	519	574	635	714	791	877
V	288	316	356	392	433	478	529	599	663	735
W	288	316	356	392	428	472	523	591	654	725
X	810	852	963	1017	1065	1188	1300	1425	1519	1672

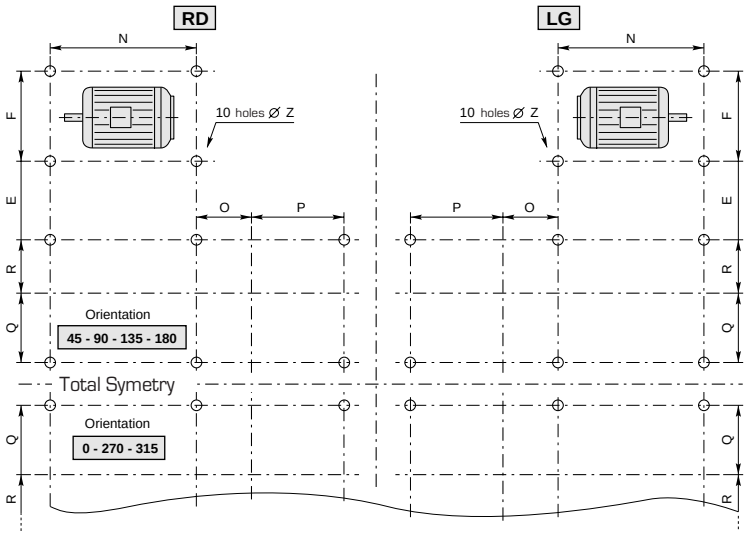
Sizes 1000 up to 1400: dimensions on request.

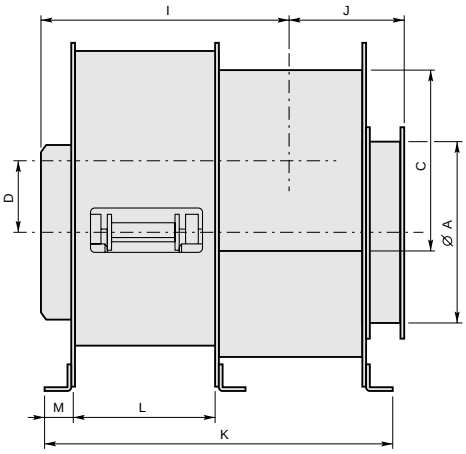
Blade Type D, L, P

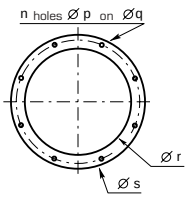
Dimensions for all orientations

EU LD LL LP	315	355	400	450	500	560	630	710	800	900
A	315	355	400	450	500	560	630	710	800	900
B	250	280	315	355	400	450	500	560	630	710
C	315	355	400	450	500	560	630	710	800	900
D	124	139	155	173	197	222	248	277	309	346
E	283	284	326	331	332	373	405	434	440	485
F	252	266	304	322	338	380	417	459	491	541
I	649	664	774	834	857	924	969	1060	1097	1227
J	190	212	242	273	309	350	384	426	479	540
K	671	701	840	930	975	1068	1138	1289	1362	1532
L	335	335	427	467	467	508	528	589	590	680
M	40	40	45	50	50	50	50	65	65	65
N	388	388	491	541	541	583	593	684	686	776
O	100	115	127,5	142,5	165	190	215	235	270	310
P	153	168	192	217	239	265	290	330	366	406
Z	10	10	10	12	12	12	12	12	12	12
Outlet flange										
a	336	366	413	453	508	560	610	690	762	842
b	256	286	323	363	408	460	510	570	642	722
c	319	359	405	455	505	566	636	716	808	908
d	399	439	495	545	605	666	736	836	928	1028
e	288	318	353	393	438	514	564	624	694	774
f	353	393	438	514	564	624	694	774	864	964
g	81,5	96,5	51,5	71,5	94	69,5	94,5	62	97	74,5
h	2	2	3	3	3	4	4	5	5	6
i	125	125	125	125	125	125	125	125	125	125
j	51,5	71,5	94	69,5	94,5	62	97	74,5	57	107
k	3	3	3	4	4	5	5	6	7	7
l	14	14	16	18	18	22	22	26	28	30
m	10	10	10	12	12	12	12	12	12	12
ep1	4	4	5	5	6	6	6	8	8	8
Inlet flange										
n	8	8	12	12	12	16	16	16	24	24
p	11,5	11,5	11,5	11,5	11,5	14	14	14	14	14
q	366	405	448	497	551	629	698	775	869	958
r	315	355	400	450	500	560	630	710	800	900
s	395	435	490	540	600	660	740	820	910	1020
ep2	2	2	2,5	2,5	2,5	3	3	3	4	4
mass in (kg)	48	58	92	116	143	203	243	335	464	556

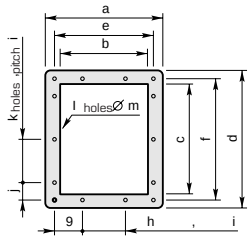
B and C are the internal dimensions of the fan outlet.
A corresponds to the internal diameter of the fan inlet.
D is the dimension between the middle of the fan oulet and the middle of the fan inlet.
P and R are warying with fan discharge position.







Inlet



Outlet

Centripal EU arrangement 1 - Width M

Variable dimensions *(orientation seen from drive side)*

	315	355	400	450	500	560	630	710	800	900
RD 0 / **LG 0**										
Q	147	166	184	205	231	258	285	317	358	394
R	93	104	116	125	129	142	155	173	192	206
S	1092	1151	1321	1382	1489	1647	1804	2037	2167	2339
T	613	673	753	829	912	1018	1125	1274	1404	1556
U	326	357	397	437	480	540	596	676	742	822
V	288	316	356	392	433	478	529	599	663	735
W	272	297	335	368	399	440	486	550	607	673
X	810	852	963	1017	1065	1188	1300	1425	1519	1672
RD 45 / **LG 45**										
Q	148	167	185	206	230	257	284	316	356	391
R	92	103	115	124	130	143	156	174	194	209
S	1092	1151	1321	1382	1489	1647	1804	2037	2167	2339
T	736	808	905	997	1107	1222	1352	1526	1688	1871
U	303	331	369	404	448	492	543	611	674	745
V	288	316	356	392	433	478	529	599	663	735
W	270	296	334	367	400	441	487	552	609	675
X	810	852	963	1017	1065	1188	1300	1425	1519	1672
RD 90 / **LG 90**										
Q	133	149	166	183	200	222	245	273	307	335
R	107	121	134	147	160	178	195	217	243	265
S	1094	1153	1323	1384	1492	1650	1807	2041	2171	2343
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	287	312	347	380	419	460	506	570	627	692
V	288	316	356	392	433	478	529	599	663	735
W	311	342	385	425	470	520	576	651	722	802
X	810	852	963	1017	1065	1188	1300	1425	1519	1672
RD 135 / **LG 135**										
Q	110	123	137	150	158	175	192	214	239	259
R	130	147	163	180	202	225	248	276	311	341
S	1217	1288	1475	1552	1677	1854	2034	2298	2455	2658
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	285	311	346	379	420	461	507	572	629	695
V	288	316	356	392	433	478	529	599	663	735
W	288	316	356	392	428	472	523	592	654	725
X	810	852	963	1017	1065	1188	1300	1425	1519	1672
RD 180 / **LG 180**										
Q	93	104	116	125	129	142	155	173	192	206
R	147	166	184	205	231	258	285	317	358	394
S	1092	1151	1321	1382	1489	1647	1804	2037	2167	2339
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	288	316	356	392	433	478	529	599	663	735
V	288	316	356	392	433	478	529	599	663	735
W	272	297	335	368	399	440	486	550	607	672
X	810	852	963	1017	1065	1188	1300	1425	1519	1672
RD 270 / **LG 270**										
Q	107	121	134	147	160	178	195	217	243	265
R	133	149	166	183	200	222	245	273	307	335
S	1094	1153	1323	1384	1492	1650	1807	2041	2171	2343
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	340	374	416	459	520	575	637	715	793	880
V	288	316	356	392	433	478	529	599	663	735
W	311	342	385	425	470	520	576	651	722	802
X	810	852	963	1017	1065	1188	1300	1425	1519	1672
RD 315 / **LG 315**										
Q	130	147	163	180	202	225	248	276	311	394
R	110	123	137	150	158	175	192	214	239	206
S	1217	1288	1475	1552	1677	1854	2034	2298	2455	2658
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	341	375	417	460	519	574	635	714	791	877
V	288	316	356	392	433	478	529	599	663	735
W	288	316	356	392	428	472	523	591	654	725
X	810	852	963	1017	1065	1188	1300	1425	1519	1672

Sizes 1000 up to 1400: dimensions on request.

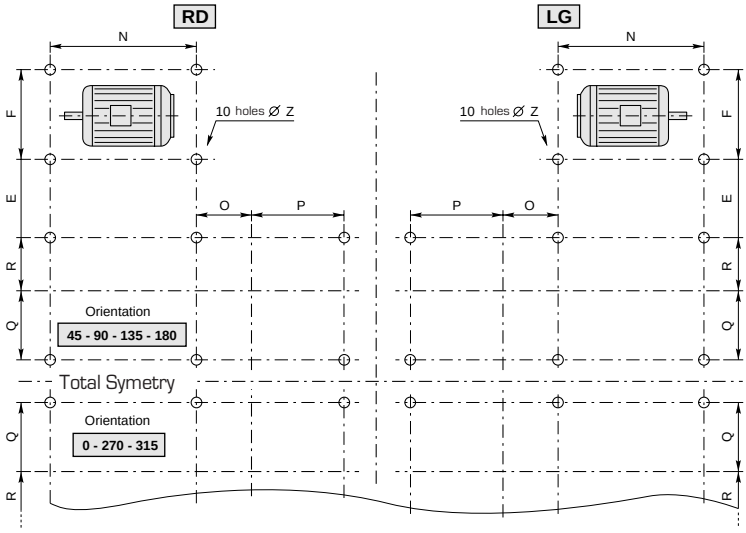
Blade Type D, L, P

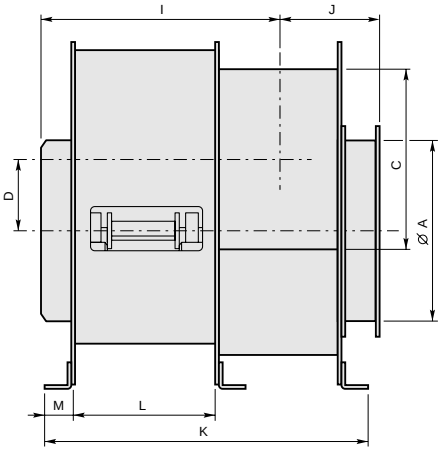
Dimensions for all orientations

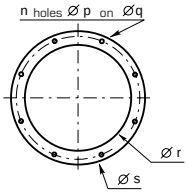
EU MD ML MP	315	355	400	450	500	560	630	710	800	900
A	315	355	400	450	500	560	630	710	800	900
B	160	180	200	224	250	280	315	355	400	450
C	200	224	250	280	315	355	400	450	500	560
D	182	204	230	258	289	324	363	407	459	516
E	283	284	326	331	332	373	405	434	440	485
F	252	266	304	322	338	380	417	459	491	541
I	604	614	717	769	782	839	877	957	982	1097
J	145	162	184	207	235	265	291	324	364	410
K	581	601	725	799	825	898	953	1084	1132	1272
L	335	335	427	467	467	508	528	589	590	680
M	40	40	45	50	50	50	50	65	65	65
N	388	388	491	541	541	583	593	684	686	776
O	55	65	70	77	90	105	122,5	132,5	155	180
P	108	118	134	151	164	180	198	228	251	276
Z	10	10	10	12	12	12	12	12	12	12
Outlet flange										
a	246	266	298	322	358	390	425	485	532	582
b	166	186	208	232	258	290	325	365	412	462
c	204	228	255	285	320	361	406	456	508	568
d	284	308	345	375	420	461	506	576	628	688
e	198	218	238	262	288	318	353	393	438	514
f	238	262	288	318	353	393	438	514	564	624
g	49	59	69	81	81,5	96,5	51,5	71,5	94	69,5
h	2	2	2	2	2	2	3	3	3	4
i	100	100	100*	100*	125	125	125	125	125	125
j	69	81	81,5	96,5	51,5	71,5	94	69,5	94,5	62
k	2	2	2	2	3	3	3	4	4	5
l	12	12	12	12	14	14	16	18	18	22
m	7	7	10	10	10	10	10	12	12	12
ep1	4	4	5	5	6	6	6	8	8	8
Inlet flange										
n	8	8	12	12	12	16	16	16	24	24
p	11,5	11,5	11,5	11,5	11,5	14	14	14	14	14
q	366	405	448	497	551	629	698	775	869	958
r	315	355	400	450	500	560	630	710	800	900
s	395	435	490	540	600	660	740	820	910	1020
ep2	2,5	2,5	2,5	2,5	3	3	3	3	3	3
mass in (kg)	45	54	86	109	132	192	229	317	437	522

* 100 on the shortest side.
125 on the longest side.

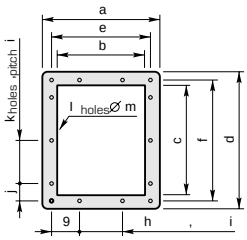
B and C are the internal dimensions of the fan outlet.
A corresponds to the internal diameter of the fan inlet.
D is the dimension between the middle of the fan oulet and the middle of the fan inlet.
P and R are warying with fan discharge position.







Inlet



Outlet

Centripal EU arrangement 1 - Width M

Variable dimensions *(orientation seen from drive side)*

	315	355	400	450	500	560	630	710	800	900
RD 0 / **LG 0**										
Q	147	166	184	205	231	258	285	317	358	394
R	93	104	116	125	129	142	155	173	192	206
S	1092	1151	1321	1382	1489	1647	1804	2037	2167	2339
T	613	673	753	829	912	1018	1125	1274	1404	1556
U	326	357	397	437	480	540	596	676	742	822
V	288	316	356	392	433	478	529	599	663	735
W	272	297	335	368	399	440	486	550	607	673
X	810	852	963	1017	1065	1188	1300	1425	1519	1672
RD 45 / **LG 45**										
Q	148	167	185	206	230	257	284	316	356	391
R	92	103	115	124	130	143	156	174	194	209
S	1092	1151	1321	1382	1489	1647	1804	2037	2167	2339
T	736	808	905	997	1107	1222	1352	1526	1688	1871
U	303	331	369	404	448	492	543	611	674	745
V	288	316	356	392	433	478	529	599	663	735
W	270	296	334	367	400	441	487	552	609	675
X	810	852	963	1017	1065	1188	1300	1425	1519	1672
RD 90 / **LG 90**										
Q	133	149	166	183	200	222	245	273	307	335
R	107	121	134	147	160	178	195	217	243	265
S	1094	1153	1323	1384	1492	1650	1807	2041	2171	2343
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	287	312	347	380	419	460	506	570	627	692
V	288	316	356	392	433	478	529	599	663	735
W	311	342	385	425	470	520	576	651	722	802
X	810	852	963	1017	1065	1188	1300	1425	1519	1672
RD 135 / **LG 135**										
Q	110	123	137	150	158	175	192	214	239	259
R	130	147	163	180	202	225	248	276	311	341
S	1217	1288	1475	1552	1677	1854	2034	2298	2455	2658
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	285	311	346	379	420	461	507	572	629	695
V	288	316	356	392	433	478	529	599	663	735
W	288	316	356	392	428	472	523	592	654	725
X	810	852	963	1017	1065	1188	1300	1425	1519	1672
RD 180 / **LG 180**										
Q	93	104	116	125	129	142	155	173	192	206
R	147	166	184	205	231	258	285	317	358	394
S	1092	1151	1321	1382	1489	1647	1804	2037	2167	2339
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	288	316	356	392	433	478	529	599	663	735
V	288	316	356	392	433	478	529	599	663	735
W	272	297	335	368	399	440	486	550	607	672
X	810	852	963	1017	1065	1188	1300	1425	1519	1672
RD 270 / **LG 270**										
Q	107	121	134	147	160	178	195	217	243	265
R	133	149	166	183	200	222	245	273	307	335
S	1094	1153	1323	1384	1492	1650	1807	2041	2171	2343
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	340	374	416	459	520	575	637	715	793	880
V	288	316	356	392	433	478	529	599	663	735
W	311	342	385	425	470	520	576	651	722	802
X	810	852	963	1017	1065	1188	1300	1425	1519	1672
RD 315 / **LG 315**										
Q	130	147	163	180	202	225	248	276	311	394
R	110	123	137	150	158	175	192	214	239	206
S	1217	1288	1475	1552	1677	1854	2034	2298	2455	2658
T	611	671	750	826	919	1015	1122	1265	1400	1552
U	341	375	417	460	519	574	635	714	791	877
V	288	316	356	392	433	478	529	599	663	735
W	288	316	356	392	428	472	523	591	654	725
X	810	852	963	1017	1065	1188	1300	1425	1519	1672

Sizes 1000 up to 1400: dimensions on request.

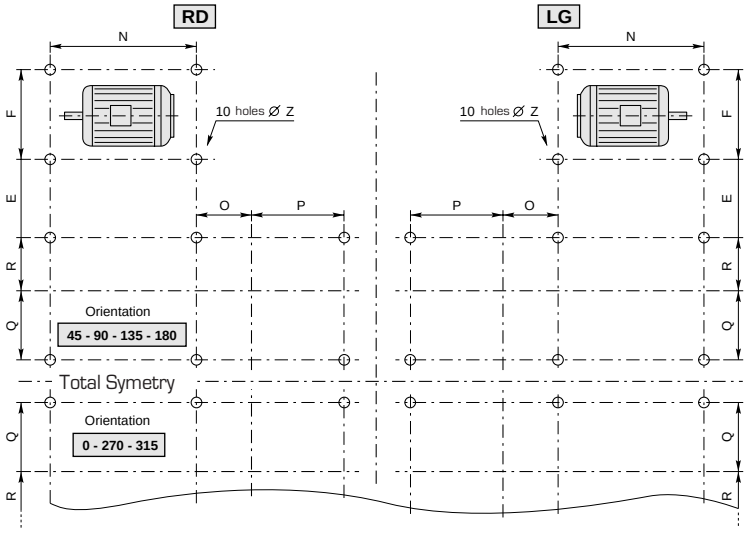
Blade Type S, T

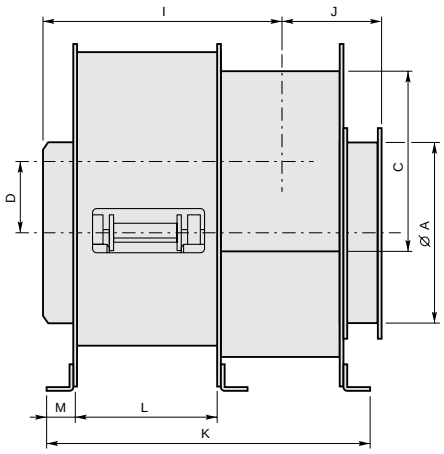
Dimensions for all orientations

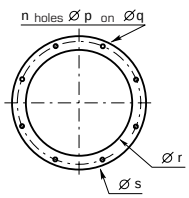
EU MS MT	315	355	400	450	500	560	630	710	800	900
A	200	224	250	280	315	355	400	450	500	560
B	160	180	200	224	250	280	315	355	400	450
C	200	224	250	280	315	355	400	450	500	560
D	182	204	230	258	289	324	363	407	459	516
E	283	284	326	331	332	373	405	434	440	485
F	252	266	304	322	338	380	417	459	491	541
I	604	614	717	769	782	839	877	957	982	1097
J	145	162	184	207	235	265	291	324	364	410
K	581	601	725	799	825	898	953	1084	1132	1272
L	335	335	427	467	467	508	528	589	590	680
M	40	40	45	50	50	50	50	65	65	65
N	388	388	491	541	541	583	593	684	686	776
O	55	65	70	77	90	105	122,5	132,5	155	180
P	108	118	134	151	164	180	198	228	251	276
Z	10	10	10	12	12	12	12	12	12	12
Outlet flange										
a	246	266	298	322	358	390	425	485	532	582
b	166	186	208	232	258	290	325	365	412	462
c	204	228	255	285	320	361	406	456	508	568
d	284	308	345	375	420	461	506	576	628	688
e	198	218	238	262	288	318	353	393	438	514
f	238	262	288	318	353	393	438	514	564	624
g	49	59	69	81	81,5	96,5	51,5	71,5	94	69,5
h	2	2	2	2	2	2	3	3	3	4
i	100	100	100*	100*	125	125	125	125	125	125
j	69	81	81,5	96,5	51,5	71,5	94	69,5	94,5	62
k	2	2	2	2	3	3	3	4	4	5
l	12	12	12	12	14	14	16	18	18	22
m	7	7	10	10	10	10	10	12	12	12
ep1	4	4	5	5	6	6	6	8	8	8
Inlet flange										
n	8	8	8	8	8	8	12	12	12	16
p	11,5	11,5	11,5	11,5	11,5	11,5	11,5	11,5	11,5	14
q	241	265	292	332	366	405	448	497	551	629
r	191	213	239	270	303	342	385	433	486	546
s	265	292	320	360	395	445	490	540	600	670
ep2	3	3	4	4	4	4	4	4	4	4
mass in (kg)	46	55	90	115	137	200	240	330	450	540*

* 100 on the shortest side.
125 on the longest side.

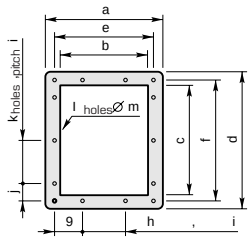
B and C are the internal dimensions of the fan outlet.
A corresponds to the internal diameter of the fan inlet.
D is the dimension between the middle of the fan oulet and the middle of the fan inlet.
P and R are warying with fan discharge position.







Inlet



Outlet

Centripal EU arrangement 1 - Width H

Variable dimensions *(orientation seen from drive side)*

		355	400	450	500	560	630	710	800	900
RD 0 / **LG 0**	Q	147	166	184	205	231	258	285	317	358
	R	93	104	116	125	129	142	155	173	192
	S	1092	1151	1321	1382	1489	1647	1804	2037	2167
	T	613	673	753	829	912	1018	1125	1274	1404
	U	326	357	397	437	480	540	596	676	742
	V	288	316	356	392	433	478	529	599	663
	W	272	297	335	368	399	440	486	550	607
	X	810	852	963	1017	1065	1188	1300	1425	1519
RD 45 / **LG 45**	Q	148	167	185	206	230	257	284	316	356
	R	92	103	115	124	130	143	156	174	194
	S	1092	1151	1321	1382	1489	1647	1804	2037	2167
	T	736	808	905	997	1107	1222	1352	1526	1688
	U	303	331	369	404	448	492	543	611	674
	V	288	316	356	392	433	478	529	599	663
	W	270	296	334	367	400	441	487	552	609
	X	810	852	963	1017	1065	1188	1300	1425	1519
RD 90 / **LG 90**	Q	133	149	166	183	200	222	245	273	307
	R	107	121	134	147	160	178	195	217	243
	S	1094	1153	1323	1384	1492	1650	1807	2041	2171
	T	611	671	750	826	919	1015	1122	1265	1400
	U	287	312	347	380	419	460	506	570	627
	V	288	316	356	392	433	478	529	599	663
	W	311	342	385	425	470	520	576	651	722
	X	810	852	963	1017	1065	1188	1300	1425	1519
RD 135 / **LG 135**	Q	110	123	137	150	158	175	192	214	239
	R	130	147	163	180	202	225	248	276	311
	S	1217	1288	1475	1552	1677	1854	2034	2298	2455
	T	611	671	750	826	919	1015	1122	1265	1400
	U	285	311	346	379	420	461	507	572	629
	V	288	316	356	392	433	478	529	599	663
	W	288	316	356	392	428	472	523	592	654
	X	810	852	963	1017	1065	1188	1300	1425	1519
RD 180 / **LG 180**	Q	93	104	116	125	129	142	155	173	192
	R	147	166	184	205	231	258	285	317	358
	S	1092	1151	1321	1382	1489	1647	1804	2037	2167
	T	611	671	750	826	919	1015	1122	1265	1400
	U	288	316	356	392	433	478	529	599	663
	V	288	316	356	392	433	478	529	599	663
	W	272	297	335	368	399	440	486	550	607
	X	810	852	963	1017	1065	1188	1300	1425	1519
RD 270 / **LG 270**	Q	107	121	134	147	160	178	195	217	243
	R	133	149	166	183	200	222	245	273	307
	S	1094	1153	1323	1384	1492	1650	1807	2041	2171
	T	611	671	750	826	919	1015	1122	1265	1400
	U	340	374	416	459	520	575	637	715	793
	V	288	316	356	392	433	478	529	599	663
	W	311	342	385	425	470	520	576	651	722
	X	810	852	963	1017	1065	1188	1300	1425	1519
RD 315 / **LG 315**	Q	130	147	163	180	202	225	248	276	311
	R	110	123	137	150	158	175	192	214	239
	S	1217	1288	1475	1552	1677	1854	2034	2298	2455
	T	611	671	750	826	919	1015	1122	1265	1400
	U	341	375	417	460	519	574	635	714	791
	V	288	316	356	392	433	478	529	599	663
	W	288	316	356	392	428	472	523	591	654
	X	810	852	963	1017	1065	1188	1300	1425	1519

Sizes 1000 up to 1400: dimensions on request.

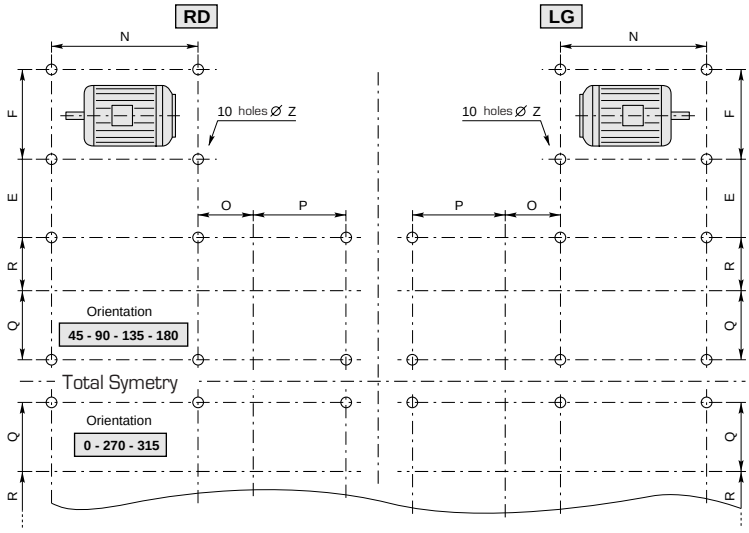
Blade Type B, L

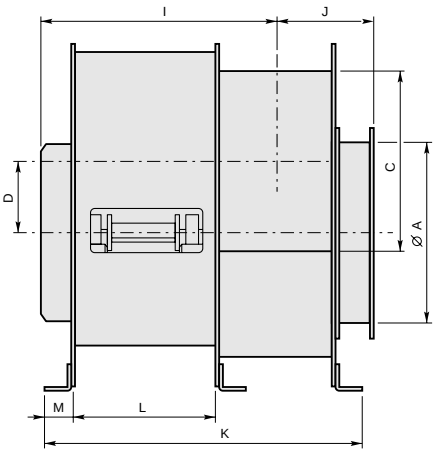
Dimensions for all orientations

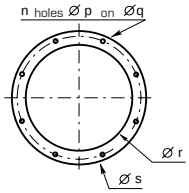
EU HB HL	355	400	450	500	560	630	710	800	900
A	250	280	315	355	400	450	500	560	630
B	160	180	200	224	250	280	315	355	430
C	200	224	250	280	315	355	400	450	500
D	182	204	230	258	289	324	363	407	459
E	283	284	326	331	332	373	405	434	440
F	252	266	304	322	338	380	417	459	491
I	605	615	718	770	783	841	879	959	984
J	101	112	129	144	166	187	203	225	253
K	582	602	726	800	826	900	955	1085	1134
L	336	336	428	468	468	510	530	590	592
M	40	40	45	50	50	50	50	65	65
N	388	388	491	541	541	583	593	684	686
O	55	65	70	77	90	105	122,5	132,5	155
P	108	118	134	151	164	180	198	228	251
Z	10	10	10	12	12	12	12	12	12
Outlet flange									
a	246	266	298	322	358	390	425	485	532
b	166	186	208	232	258	290	325	365	412
c	204	228	255	285	320	361	406	456	508
d	284	308	345	375	420	461	506	576	628
e	198	218	238	262	288	318	353	393	438
f	238	262	288	318	353	393	438	514	564
g	49	59	69	81	81,5	96,5	51,5	71,5	94
h	2	2	2	2	2	2	3	3	3
i	100	100	100*	100*	125	125	125	125	125
j	69	81	81,5	96,5	51,5	71,5	31,5	69,5	94,5
k	2	2	2	2	3	3	3	4	4
l	12	12	12	12	14	14	16	18	18
m	7	7	10	10	10	10	10	12	12
ep1	4	4	5	5	6	6	6	8	8
Inlet flange									
n	8	8	8	8	12	12	12	16	16
p	11,5	11,5	11,5	11,5	11,5	11,5	11,5	14	14
q	292	332	366	405	448	497	551	629	698
r	250	280	315	355	400	450	500	560	630
s	310	350	395	435	490	540	600	660	740
ep2	2,5	2,5	2,5	2,5	2,5	2,5	3	3	3
mass in (kg)	45	49	87	112	134	193	241	324	457

* 100 on the shortest side.
125 on the longest side.

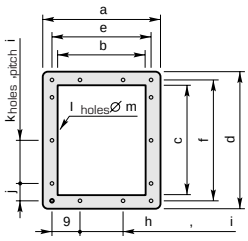
B and C are the internal dimensions of the fan outlet.
A corresponds to the internal diameter of the fan inlet.
D is the dimension between the middle of the fan oulet and the middle of the fan inlet.
P and R are warying with fan discharge position.







Inlet



Outlet

Centripal EU arrangement 1 - Width H

Variable dimensions *(orientation seen from drive side)*

		355	400	450	500	560	630	710	800	900
RD 0 / **LG 0**	Q	147	166	184	205	231	258	285	317	358
	R	93	104	116	125	129	142	155	173	192
	S	1092	1151	1321	1382	1489	1647	1804	2037	2167
	T	613	673	753	829	912	1018	1125	1274	1404
	U	326	357	397	437	480	540	596	676	742
	V	288	316	356	392	433	478	529	599	663
	W	272	297	335	368	399	440	486	550	607
	X	810	852	963	1017	1065	1188	1300	1425	1519
RD 45 / **LG 45**	Q	148	167	185	206	230	257	284	316	356
	R	92	103	115	124	130	143	156	174	194
	S	1092	1151	1321	1382	1489	1647	1804	2037	2167
	T	736	808	905	997	1107	1222	1352	1526	1688
	U	303	331	369	404	448	492	543	611	674
	V	288	316	356	392	433	478	529	599	663
	W	270	296	334	367	400	441	487	552	609
	X	810	852	963	1017	1065	1188	1300	1425	1519
RD 90 / **LG 90**	Q	133	149	166	183	200	222	245	273	307
	R	107	121	134	147	160	178	195	217	243
	S	1094	1153	1323	1384	1492	1650	1807	2041	2171
	T	611	671	750	826	919	1015	1122	1265	1400
	U	287	312	347	380	419	460	506	570	627
	V	288	316	356	392	433	478	529	599	663
	W	311	342	385	425	470	520	576	651	722
	X	810	852	963	1017	1065	1188	1300	1425	1519
RD 135 / **LG 135**	Q	110	123	137	150	158	175	192	214	239
	R	130	147	163	180	202	225	248	276	311
	S	1217	1288	1475	1552	1677	1854	2034	2298	2455
	T	611	671	750	826	919	1015	1122	1265	1400
	U	285	311	346	379	420	461	507	572	629
	V	288	316	356	392	433	478	529	599	663
	W	288	316	356	392	428	472	523	592	654
	X	810	852	963	1017	1065	1188	1300	1425	1519
RD 180 / **LG 180**	Q	93	104	116	125	129	142	155	173	192
	R	147	166	184	205	231	258	285	317	358
	S	1092	1151	1321	1382	1489	1647	1804	2037	2167
	T	611	671	750	826	919	1015	1122	1265	1400
	U	288	316	356	392	433	478	529	599	663
	V	288	316	356	392	433	478	529	599	663
	W	272	297	335	368	399	440	486	550	607
	X	810	852	963	1017	1065	1188	1300	1425	1519
RD 270 / **LG 270**	Q	107	121	134	147	160	178	195	217	243
	R	133	149	166	183	200	222	245	273	307
	S	1094	1153	1323	1384	1492	1650	1807	2041	2171
	T	611	671	750	826	919	1015	1122	1265	1400
	U	340	374	416	459	520	575	637	715	793
	V	288	316	356	392	433	478	529	599	663
	W	311	342	385	425	470	520	576	651	722
	X	810	852	963	1017	1065	1188	1300	1425	1519
RD 315 / **LG 315**	Q	130	147	163	180	202	225	248	276	311
	R	110	123	137	150	158	175	192	214	239
	S	1217	1288	1475	1552	1677	1854	2034	2298	2455
	T	611	671	750	826	919	1015	1122	1265	1400
	U	341	375	417	460	519	574	635	714	791
	V	288	316	356	392	433	478	529	599	663
	W	288	316	356	392	428	472	523	591	654
	X	810	852	963	1017	1065	1188	1300	1425	1519

Sizes 1000 up to 1400: dimensions on request.

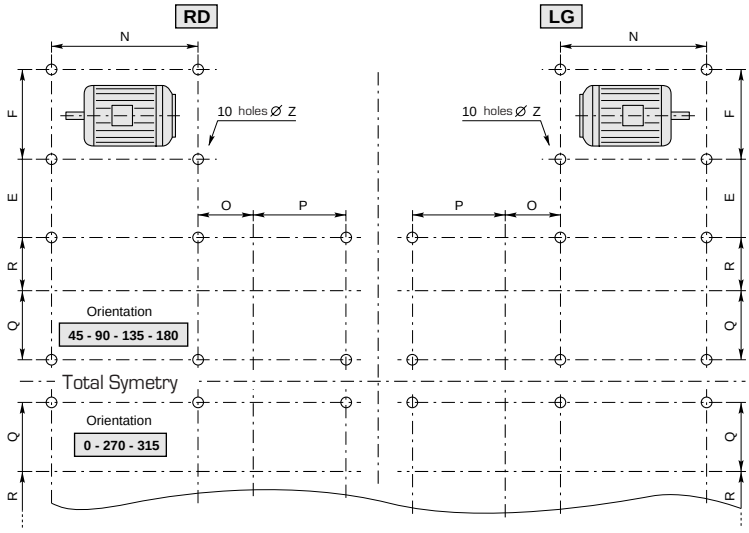
Blade Type S, T

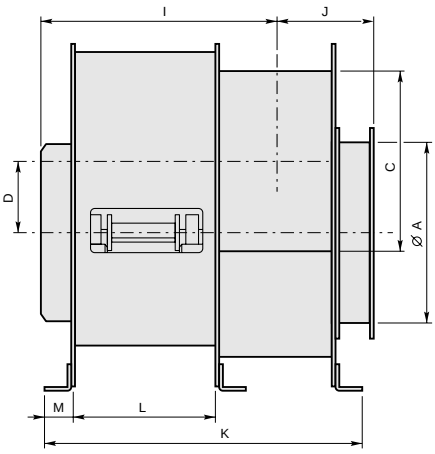
Dimensions for all orientations

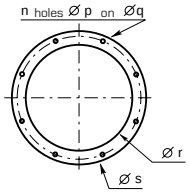
EU HS HT	355	400	450	500	560	630	710	800	900
A	160	180	200	224	250	280	315	355	400
B	160	180	200	224	250	280	315	355	400
C	200	224	250	280	315	355	400	450	500
D	182	204	230	258	289	324	363	407	459
E	283	284	326	331	332	373	405	434	440
F	252	266	304	322	338	380	417	459	491
I	605	615	718	770	783	841	879	959	984
J	133	143	159	171	189	205	227	248	276
K	582	602	726	800	826	900	955	1085	1134
L	336	336	428	468	468	510	530	590	592
M	40	40	45	50	50	50	50	65	65
N	388	388	491	541	541	583	593	684	686
O	55	65	70	77	90	105	122,5	132,5	155
P	108	118	134	151	164	180	198	228	251
Z	10	10	10	12	12	12	12	12	12
Outlet flange									
a	246	266	288	322	358	390	425	485	532
b	166	186	208	232	258	290	325	385	412
c	204	228	255	285	320	361	406	456	508
d	284	308	345	375	420	461	506	576	628
e	198	218	238	262	288	318	353	393	438
f	238	262	288	318	353	393	438	514	564
g	49	59	69	81	81,5	96,5	51,5	71,5	94
h	2	2	2	2	2	2	3	3	3
i	100	100	100*	100*	125	125	125	125	125
j	69	81	81,5	96,5	51,5	71,5	31,5	69,5	94,5
k	2	2	2	2	3	3	3	4	4
l	12	12	12	12	14	14	16	18	18
m	7	7	10	10	10	10	10	12	12
ep1	4	4	5	5	6	6	6	8	8
Inlet flange									
n	8	8	8	8	8	8	8	8	12
p	11,5	11,5	11,5	11,5	11,5	11,5	11,5	11,5	11,5
q	200	219	241	265	292	332	366	405	448
r	151	170	192	214	242	272	305	344	385
s	220	239	265	292	320	360	395	435	490
ep2	2	2	2,5	2,5	2,5	3	3	3	4
mass in (kg)	46	55	90	114	137	197	241	334	468

* 100 on the shortest side.
125 on the longest side.

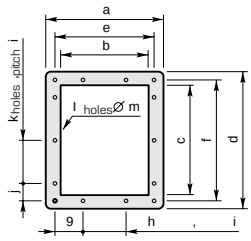
B and C are the internal dimensions of the fan outlet.
A corresponds to the internal diameter of the fan inlet.
D is the dimension between the middle of the fan oulet and the middle of the fan inlet.
P and R are warying with fan discharge position.







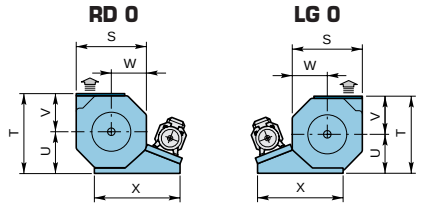
Inlet



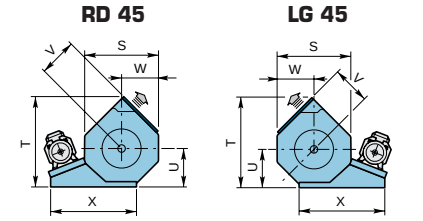
Outlet

Centripal EU arrangement 1 - Widths N and P

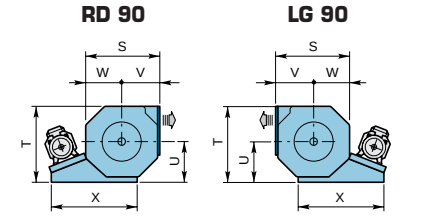
Variable dimensions *(orientation seen from drive side)*



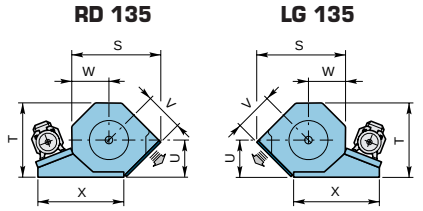
	355	400	450	500	560	630	710	800	900
Q	147	166	184	205	231	258	285	317	358
R	93	104	116	125	129	142	155	173	192
S	1092	1151	1321	1382	1489	1647	1804	2037	2167
T	613	673	753	829	912	1018	1125	1274	1404
U	326	357	397	437	480	540	596	676	742
V	288	316	356	392	433	478	529	599	663
W	272	297	335	368	399	440	486	550	607
X	810	852	963	1017	1065	1188	1300	1425	1519



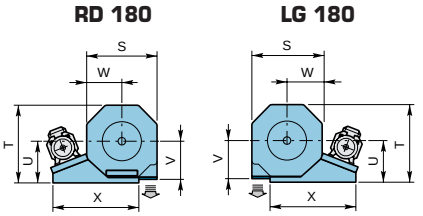
	355	400	450	500	560	630	710	800	900
Q	148	167	185	206	230	257	284	316	356
R	92	103	115	124	130	143	156	174	194
S	1092	1151	1321	1382	1489	1647	1804	2037	2167
T	736	808	905	997	1107	1222	1352	1526	1688
U	303	331	369	404	448	492	543	611	674
V	288	316	356	392	433	478	529	599	663
W	270	296	334	367	400	441	487	552	609
X	810	852	963	1017	1065	1188	1300	1425	1519



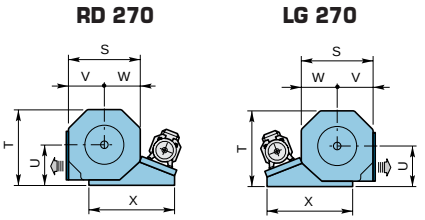
	355	400	450	500	560	630	710	800	900
Q	133	149	166	183	200	222	245	273	307
R	107	121	134	147	160	178	195	217	243
S	1094	1153	1323	1384	1492	1650	1807	2041	2171
T	611	671	750	826	919	1015	1122	1265	1400
U	287	312	347	380	419	460	506	570	627
V	288	316	356	392	433	478	529	599	663
W	311	342	385	425	470	520	576	651	722
X	810	852	963	1017	1065	1188	1300	1425	1519



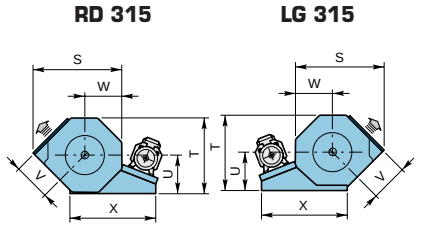
	355	400	450	500	560	630	710	800	900
Q	110	123	137	150	158	175	192	214	239
R	130	147	163	180	202	225	248	276	311
S	1217	1288	1475	1552	1677	1854	2034	2298	2455
T	611	671	750	826	919	1015	1122	1265	1400
U	285	311	346	379	420	461	507	572	629
V	288	316	356	392	433	478	529	599	663
W	288	316	356	392	428	472	523	592	654
X	810	852	963	1017	1065	1188	1300	1425	1519



	355	400	450	500	560	630	710	800	900
Q	93	104	116	125	129	142	155	173	192
R	147	166	184	205	231	258	285	317	358
S	1092	1151	1321	1382	1489	1647	1804	2037	2167
T	611	671	750	826	919	1015	1122	1265	1400
U	288	316	356	392	433	478	529	599	663
V	288	316	356	392	433	478	529	599	663
W	272	297	335	368	399	440	486	550	607
X	810	852	963	1017	1065	1188	1300	1425	1519



	355	400	450	500	560	630	710	800	900
Q	107	121	134	147	160	178	195	217	243
R	133	149	166	183	200	222	245	273	307
S	1094	1153	1323	1384	1492	1650	1807	2041	2171
T	611	671	750	826	919	1015	1122	1265	1400
U	340	374	416	459	520	575	637	715	793
V	288	316	356	392	433	478	529	599	663
W	311	342	385	425	470	520	576	651	722
X	810	852	963	1017	1065	1188	1300	1425	1519



	355	400	450	500	560	630	710	800	900
Q	130	147	163	180	202	225	248	276	311
R	110	123	137	150	158	175	192	214	239
S	1217	1288	1475	1552	1677	1854	2034	2298	2455
T	611	671	750	826	919	1015	1122	1265	1400
U	341	375	417	460	519	574	635	714	791
V	288	316	356	392	433	478	529	599	663
W	288	316	356	392	428	472	523	591	654
X	810	852	963	1017	1065	1188	1300	1425	1519

Sizes 1000 up to 1400: dimensions on request.

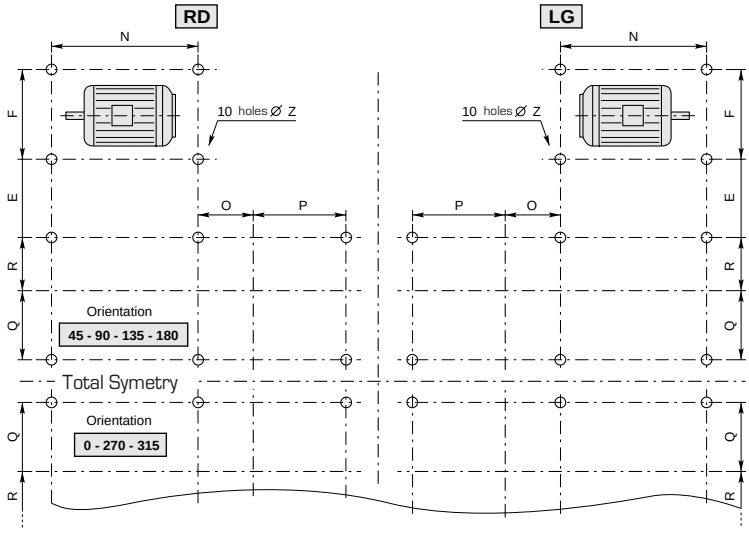
Blade Type B, L

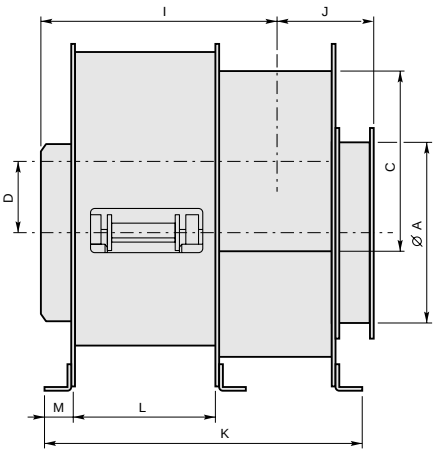
Dimensions for all orientations

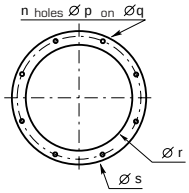
EU NB NL PB	355	400	450	500	560	630	710	800	900
A	250	280	315	355	400	450	500	560	630
B	80	90	100	112	125	140	160	180	200
C	200	224	250	280	315	355	400	450	500
D	182	204	230	258	289	324	363	407	459
E	283	284	326	331	332	373	405	434	440
F	252	266	304	322	338	380	417	459	491
I	565	570	668	714	721	771	801	871	884
J	118	131	150	167	191	216	234	261	295
K	502	512	626	688	701	760	800	910	934
L	336	336	428	468	468	510	530	590	592
M	40	40	45	50	50	50	50	65	65
N	388	388	491	541	541	583	593	684	686
O	15	20	20	21	27,5	35	45	45	55
P	68	73	84	95	102	110	121	141	151
Z	10	10	10	12	12	12	12	12	12
Outlet flange									
a	166	176	198	210	233	250	270	310	332
b	87	97	109	121	134	151	171	191	213
c	205	229	256	286	321	361	406	456	507
d	284	308	345	375	420	460	505	575	626
e	118	128	138	150	163	178	198	218	238
f	238	262	288	318	353	393	438	514	564
g	59	64	69	75	46	53,5	49	59	69
h	-	-	-	-	2	2	2	2	2
i	100	100	125	125	71/125*	71/125*	100/125*	100/125*	100/125*
j	69	81	81,5	96,5	51,5	71,5	94	69,5	94,5
k	2	2	2	2	3	3	3	4	4
l	10	10	10	10	14	14	14	16	16
m	7	7	10	10	10	10	10	12	12
ep1	4	4	5	5	6	6	6	8	8
Inlet flange									
n	8	8	8	8	12	12	12	16	16
p	11,5	11,5	11,5	11,5	11,5	11,5	11,5	14	14
q	292	332	366	405	448	497	551	629	698
r	250	280	315	355	400	450	500	560	630
s	310	350	395	435	490	540	600	660	740
ep2	2,5	2,5	2,5	2,5	2,5	2,5	3	3	3
mass in (kg)	43	52	84	108	129	184	229	313	437

* 100 on the shortest side.
125 on the longest side.

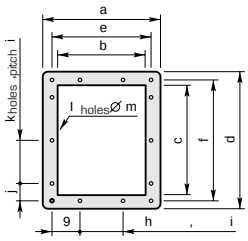
B and C are the internal dimensions of the fan outlet.
A corresponds to the internal diameter of the fan inlet.
D is the dimension between the middle of the fan oulet and the middle of the fan inlet.
P and R are warying with fan discharge position.







Inlet



Outlet

Centripal EU arrangement 1 - Widths R and S

Variable dimensions *(orientation seen from drive side)*

		355	400	450	500	560	630	710	800	900
RD 0 / **LG 0**	Q	147	166	184	205	231	258	285	317	358
	R	93	104	116	125	129	142	155	173	192
	S	1092	1151	1321	1382	1489	1647	1804	2037	2167
	T	613	673	753	829	912	1018	1125	1274	1404
	U	326	357	397	437	480	540	596	676	742
	V	288	316	356	392	433	478	529	599	663
	W	272	297	335	368	399	440	486	550	607
	X	810	852	963	1017	1065	1188	1300	1425	1519
RD 45 / **LG 45**	Q	148	167	185	206	230	257	284	316	356
	R	92	103	115	124	130	143	156	174	194
	S	1092	1151	1321	1382	1489	1647	1804	2037	2167
	T	736	808	905	997	1107	1222	1352	1526	1688
	U	303	331	369	404	448	492	543	611	674
	V	288	316	356	392	433	478	529	599	663
	W	270	296	334	367	400	441	487	552	609
	X	810	852	963	1017	1065	1188	1300	1425	1519
RD 90 / **LG 90**	Q	133	149	166	183	200	222	245	273	307
	R	107	121	134	147	160	178	195	217	243
	S	1094	1153	1323	1384	1492	1650	1807	2041	2171
	T	611	671	750	826	919	1015	1122	1265	1400
	U	287	312	347	380	419	460	506	570	627
	V	288	316	356	392	433	478	529	599	663
	W	311	342	385	425	470	520	576	651	722
	X	810	852	963	1017	1065	1188	1300	1425	1519
RD 135 / **LG 135**	Q	110	123	137	150	158	175	192	214	239
	R	130	147	163	180	202	225	248	276	311
	S	1217	1288	1475	1552	1677	1854	2034	2298	2455
	T	611	671	750	826	919	1015	1122	1265	1400
	U	285	311	346	379	420	461	507	572	629
	V	288	316	356	392	433	478	529	599	663
	W	288	316	356	392	428	472	523	592	654
	X	810	852	963	1017	1065	1188	1300	1425	1519
RD 180 / **LG 180**	Q	93	104	116	125	129	142	155	173	192
	R	147	166	184	205	231	258	285	317	358
	S	1092	1151	1321	1382	1489	1647	1804	2037	2167
	T	611	671	750	826	919	1015	1122	1265	1400
	U	288	316	356	392	433	478	529	599	663
	V	288	316	356	392	433	478	529	599	663
	W	272	297	335	368	399	440	486	550	607
	X	810	852	963	1017	1065	1188	1300	1425	1519
RD 270 / **LG 270**	Q	107	121	134	147	160	178	195	217	243
	R	133	149	166	183	200	222	245	273	307
	S	1094	1153	1323	1384	1492	1650	1807	2041	2171
	T	611	671	750	826	919	1015	1122	1265	1400
	U	340	374	416	459	520	575	637	715	793
	V	288	316	356	392	433	478	529	599	663
	W	311	342	385	425	470	520	576	651	722
	X	810	852	963	1017	1065	1188	1300	1425	1519
RD 315 / **LG 315**	Q	130	147	163	180	202	225	248	276	311
	R	110	123	137	150	158	175	192	214	239
	S	1217	1288	1475	1552	1677	1854	2034	2298	2455
	T	611	671	750	826	919	1015	1122	1265	1400
	U	341	375	417	460	519	574	635	714	791
	V	288	316	356	392	433	478	529	599	663
	W	288	316	356	392	428	472	523	591	654
	X	810	852	963	1017	1065	1188	1300	1425	1519

Sizes 1000 up to 1400: dimensions on request.

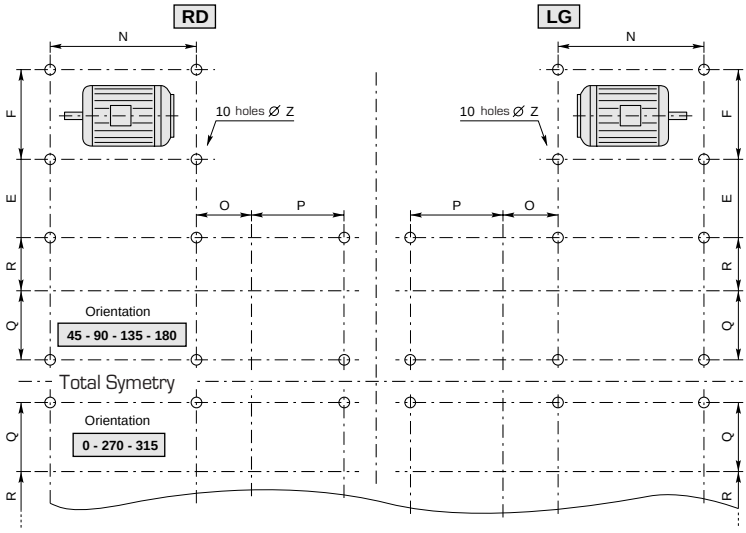
Blade Type B, L

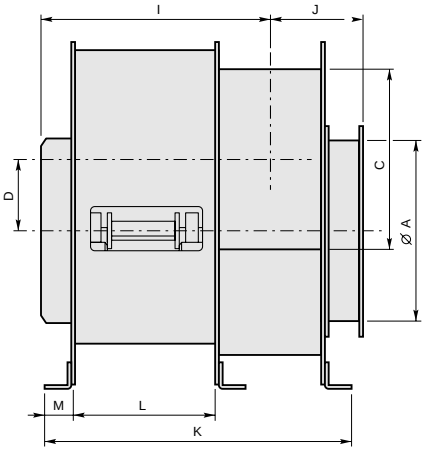
Dimensions for all orientations

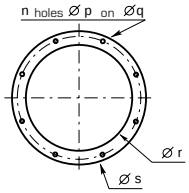
EU RB RL SB SL	355	400	450	500	560	630	710	800	900
A	160	180	200	224	250	280	315	355	400
B	56	63	71	80	90	100	112	125	140
C	140	160	180	200	224	250	280	315	355
D	211	236	264	298	334	376	423	474	532
E	283	284	326	331	332	373	405	434	440
F	252	266	304	322	338	380	417	459	491
I	553	557	654	698	703	751	777	844	854
J	83	94	106	118	135	153	168	185	211
K	478	485	597	656	666	720	752	855	874
L	336	336	428	468	468	510	530	590	592
M	40	40	45	50	50	50	50	65	65
N	388	388	491	541	541	583	593	684	686
O	3	6,5	5,5	5	10	15	21	17,5	25
P	56	60	70	79	84	90	96	113	121
Z	10	10	10	12	12	12	12	12	12
Outlet flange									
a	142	149	169	178	198	210	222	255	272
b	63	70	80	89	99	111	123	136	153
c	145	165	186	206	230	256	286	321	362
d	226	246	275	295	329	355	385	440	481
e	94	101	109	118	128	138	150	163	178
f	178	198	218	238	262	288	318	353	393
g	-	-	-	59	64	69	75	46	53,5
h	-	-	-	-	-	-	-	2	2
i	71	100	100	100	100	125	125	71/125*	71/125*
j	53,5	49	59	69	81	81,5	96,5	51,5	71,5
k	2	2	2	2	2	2	2	3	3
l	8	8	10	10	10	10	10	14	14
m	7	7	7	7	7	10	10	10	10
ep1	4	4	5	5	6	6	6	8	8
Inlet flange									
n	8	8	8	8	8	8	8	8	12
p	11,5	11,5	11,5	11,5	11,5	11,5	11,5	11,5	11,5
q	200	219	241	265	292	332	366	405	448
r	160	180	200	224	250	280	312	355	400
s	220	239	261	285	310	350	395	435	490
ep2	2	2	2	2	2,5	2,5	2,5	2,5	2,5
mass in (kg)	41	50	81	105	125	180	223	303	424

* 100 on the shortest side.
125 on the longest side.

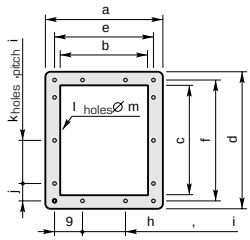
B and C are the internal dimensions of the fan outlet.
A corresponds to the internal diameter of the fan inlet.
D is the dimension between the middle of the fan oulet and the middle of the fan inlet.
P and R are warying with fan discharge position.







Inlet



Outlet

Centripal EU arrangement 1 - Width R

Variable dimensions *(orientation seen from drive side)*

		450	500	560	630	710	800	900
RD 0 / **LG 0**	Q	184	205	231	258	285	317	358
	R	116	125	129	142	155	173	192
	S	1321	1382	1489	1647	1804	2037	2167
	T	753	829	912	1018	1125	1274	1404
	U	397	437	480	540	596	676	742
	V	356	392	433	478	529	599	683
	W	335	368	398	440	486	550	607
	X	963	1017	1065	1188	1300	1425	1519
RD 45 / **LG 45**	Q	185	206	230	257	284	316	356
	R	115	124	130	143	156	174	194
	S	1321	1382	1489	1647	1804	2037	2167
	T	905	997	1107	1222	1352	1526	1688
	U	369	404	448	492	543	611	674
	V	356	392	433	478	529	599	663
	W	334	367	400	441	487	552	609
	X	963	1017	1065	1188	1300	1425	1519
RD 90 / **LG 90**	Q	166	183	200	222	245	273	307
	R	134	147	160	178	195	217	243
	S	1323	1384	1492	1650	1807	2041	2171
	T	750	826	919	1015	1122	1265	1400
	U	347	380	419	460	506	570	627
	V	356	392	433	478	529	599	663
	W	385	425	470	520	576	651	722
	X	963	1017	1065	1188	1300	1425	1519
RD 135 / **LG 135**	Q	137	150	158	175	192	214	239
	R	163	180	202	225	248	276	311
	S	1475	1552	1677	1854	2034	2298	2455
	T	750	826	919	1015	1122	1265	1400
	U	346	379	420	461	507	572	629
	V	356	392	433	478	529	599	663
	W	356	392	428	472	523	592	654
	X	963	1017	1065	1188	1300	1425	1519
RD 180 / **LG 180**	Q	116	125	129	142	155	173	192
	R	184	205	231	258	285	317	358
	S	1321	1382	1489	1647	1804	2037	2167
	T	750	826	919	1015	1122	1265	1400
	U	356	392	433	478	529	599	663
	V	356	392	433	478	529	599	663
	W	335	368	399	440	486	550	607
	X	963	1017	1065	1188	1300	1425	1519
RD 270 / **LG 270**	Q	134	147	160	178	195	217	243
	R	166	183	200	222	245	273	307
	S	1323	1384	1492	1650	1807	2041	2171
	T	750	826	919	1015	1122	1265	1400
	U	416	459	520	575	637	715	793
	V	356	392	433	478	529	599	663
	W	385	425	470	520	576	651	722
	X	963	1017	1065	1188	1300	1425	1519
RD 315 / **LG 315**	Q	163	180	202	225	248	276	311
	R	137	150	158	175	192	214	239
	S	1475	1552	1677	1854	2034	2298	2455
	T	750	826	919	1015	1122	1265	1400
	U	417	460	519	574	635	714	791
	V	356	392	433	478	529	599	663
	W	356	392	428	472	523	591	654
	X	963	1017	1065	1188	1300	1425	1519

Sizes 1000 up to 1400: dimensions on request.

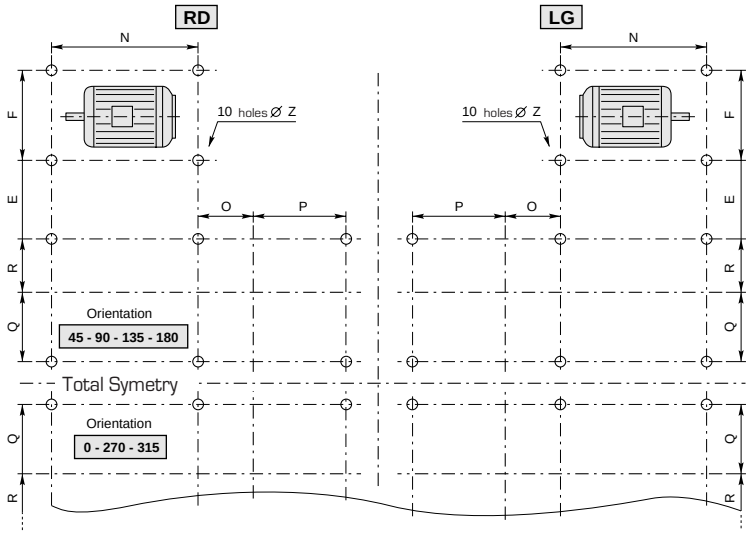
Blade Type T

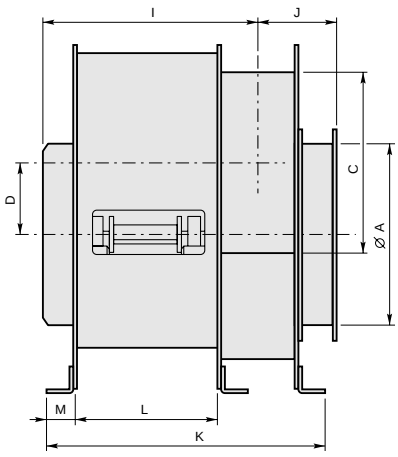
Dimensions for all orientations

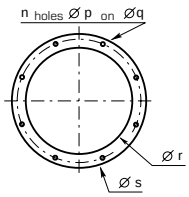
EU RT	450	500	560	630	710	800	900
A	125	140	160	180	200	224	250
B	71	80	90	100	112	125	140
C	180	200	224	250	280	315	355
D	264	298	334	376	423	474	532
E	326	331	332	373	405	434	440
F	304	322	338	380	417	459	491
I	654	698	703	751	777	844	854
J	95	99	109	115	126	133	146
K	597	656	666	720	752	855	874
L	428	468	468	510	530	590	592
M	45	50	50	50	50	65	65
N	491	541	541	583	593	684	686
O	5,5	5	10	15	21	17,5	25
P	70	79	84	90	96	113	121
Z	10	12	12	12	12	12	12
Outlet flange							
a	169	178	198	210	222	255	272
b	80	89	99	111	123	136	153
c	186	206	230	256	286	321	362
d	275	295	329	355	385	440	481
e	109	118	128	138	150	163	178
f	218	238	262	288	318	353	393
g	-	59	64	69	75	46	53.5
h	-	-	-	-	-	2	2
i	100	100	100	125	125	71/125*	71/125*
j	59	69	81	81.5	96.5	51.5	71.5
k	2	2	2	2	2	3	3
l	10	10	10	10	10	14	14
m	7	7	7	10	10	10	10
ep1	5	5	6	6	6	8	8
Inlet flange							
n	4	8	8	8	8	8	8
p	9.5	11.5	11.5	11.5	11.5	11.5	11.5
q	165	182	200	219	241	265	292
r	118	133	150	168	191	213	239
s	185	205	220	239	265	292	320
ep2	2.5	2.5	2.5	3	3	3	4
mass in (kg)	81	103	126	179	222	308	424

* 100 on the shortest side.
125 on the longest side.

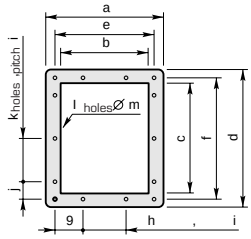
B and C are the internal dimensions of the fan outlet.
A corresponds to the internal diameter of the fan inlet.
D is the dimension between the middle of the fan oulet and the middle of the fan inlet.
P and R are warying with fan discharge position.







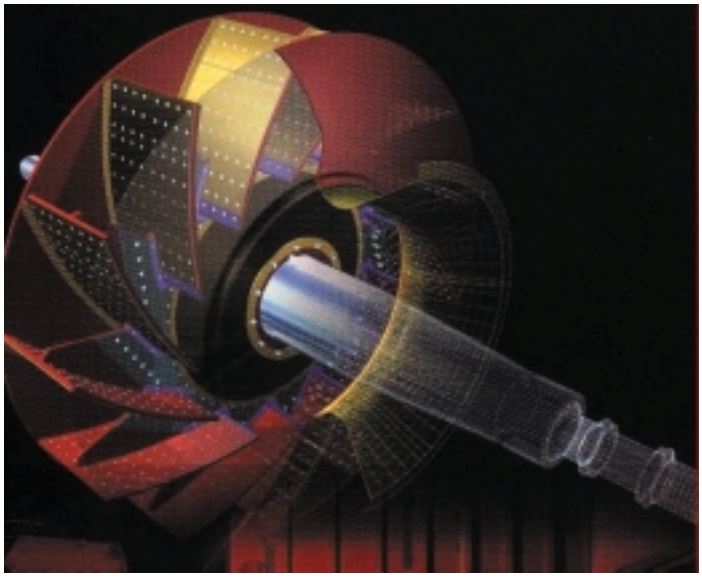
Inlet

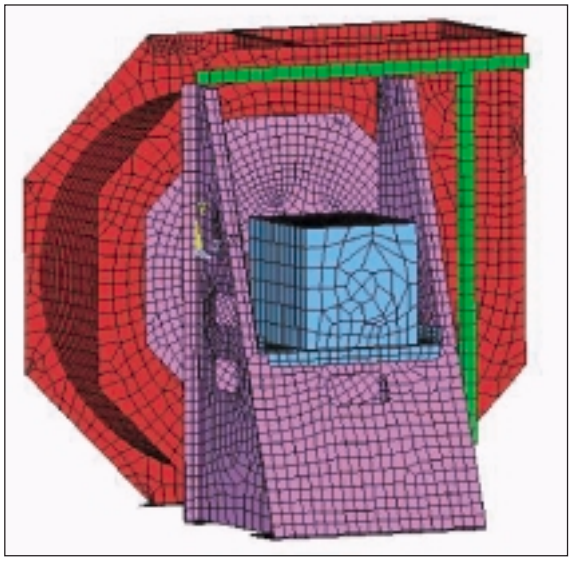


Outlet

Centripal EU fans

A new range developed with the latest IT tools including Finite Element Analysis.





A laboratory with a full compliment of measurement equipment: over-speed installation, fatigue tests, test rigs for measuring fan performance, noise and vibrations, according to the latest international standards.

Solyvent in the Fläkt Woods Group:

Created in 1919, Fläkt Solyvent Ventec has been a reference on the industrial ventilation market, in France and world-wide, for "Heavy Duty Applications"(Cement, Power, Steel, Petrochimical), as well as "Light Industrial Applications" (process fans and building ventilation).

Fläkt Solyvent Ventec offers a comprehensive range of centrifugal and axial flow fans, in either standard design, adapted to customer needs, or completely developed to technical specifications.

The continuous development of product ranges, material employed or production tools allow Solyvent to be the "Centre of Excellence for Centrifugal fans" within the Fläkt Woods Group.

ISO 9001 and ISO 14001 certifications show the committment of Solyvent in its quality process management.

Sales Offices available World Wide - See our website for details www.flaktwoods.com

Head offices

Building Air Climate

Fläkt Woods AB
Kung Hans väg 12
SE-192 68 SOLLENTUNA
Sweden
Tel: +46 8 626 49 00
Fax: +46 8 626 73 10

Industry Air Movement

Fläkt Woods Limited
Tufnell Way
Colchester, Essex
United Kingdom
Tel: +44 1206 544122
Fax: +44 1206 574434

Solyvent
143, rue de la République - B.P. 67
69882 Meyzieu Cedex France
t + 33 (0) 4 72 45 13 00 f + 33 (0) 4 72 45 13 42
w www.flaktwoods.com

FläktWoods

TS-JPG - SEIC - (X - 29/7/2003) - printed in France.