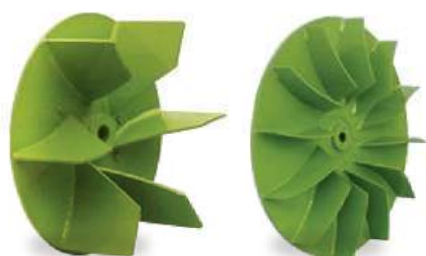


Centrifugal Fan

Series
CA CQ

 **GOT**
www.gotrading.co.th
GreatOrientalTrading



 **EuroVent**

Symbols and measurement units used in the catalogue.

$V \text{ m}^3/\text{min}$	= Delivery in m^3/min
$V \text{ m}^3/\text{h}$	= Delivery in m^3/h
$pt \text{ mmH}_2\text{O}$	= Total pressure in $\text{mm H}_2\text{O}$
$pt \text{ Pa}$	= Total pressure in Pascal
$pd \text{ mmH}_2\text{O}$	= Dynamic pressure in $\text{mm H}_2\text{O}$
$pd \text{ Pa}$	= Dynamic pressure in Pascal
$c2$	= Speed in m/s on pressing throat
n	= Fan rounds
Lp	= Noise level indicated in dB/A
P	= Power absorbed in kW
η	= Fan output

Table of positions of discharge

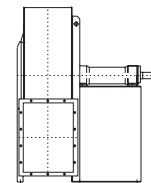
	0	45	90	135	180	225	270	315
LG								
RD								
	H1			H2			H	

Fans constructive executions in conformity with rules UNI EN ISO 13349 (2009).

EXECUTION 1

For belt drive, Wheel keyed overhung, Supports mounted on a base outside the air stream, Max air temperature 90°C without cooling fan; 350°C when fitted with cooling fan.

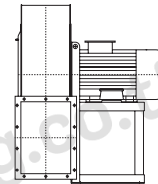
ESEC. 1



EXECUTION 4

For direct drive, Wheel keyed to motor shaft, Motor is supported by the base, Max air temperature 80°C ; when fitted with cooling fan 150°C .

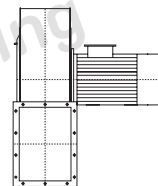
ESEC. 4



EXECUTION 5

For direct drive, Wheel keyed to motor shaft, Motor is supported by the case, Max air temperature 60°C ; when fitted with cooling fan 130°C .

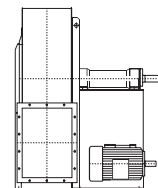
ESEC. 5



EXECUTION 9

For belt drive, Same as arrangement 1 with motor supported by the side wall of base, Max air temperature: 90°C without cooling fan; 350°C when fitted with cooling fan.

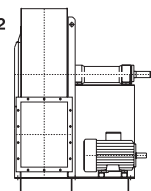
ESEC. 9



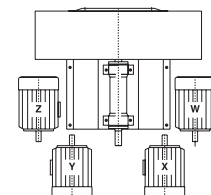
EXECUTION 12

For belt drive, Same as arrangement 1 with both fan and motor supported by the foundation frame. Max. air temperature: 90°C without cooling fan; 350°C when fitted with cooling fan.

ESEC. 12



Plan for motor positioning belt drive.



General concepts about centrifugal fans

The centrifugal fan essentially in a scroll in which a wheel rotates. The wheel's movement is caused by an external energy source, that is usually an electric motor. The main characteristics of a centrifugal fan are:

- a) delivery
- b) pressure
- c) efficiency
- d) rotation speed

DELIVERY

It is indicated by the value of the fluid intaken through the fan in the time unit; normally this is stated by the ratio m³/sec., m³/min., or m³/h.

PRESSURE

It is usually indicated by the ratio kgf/m² or Pa. The pressure generated through a fan is named TOTAL (pt); it is the sum of two different pressures: STATIC + DYNAMIC. The static pressure (p.s.) is the potential energy that wins the circuit resistance when the fluid is passing through the circuit. The dynamic pressure (pd) is the kinetic energy of the moving fluid and it depends on the medium exit speed of the air from the fan throat; the formula is:

$$pd = \frac{C^2}{2g} \cdot 1.226 \quad C = \frac{V}{A}$$

where:

- V = delivery m³/sec.
- A = throat surface m²
- c = medium speed of the air m/sec.
- g = acceleration of gravity (9,81 m/sec)
- 1,226 = air specific gravity kg/m³ at 15°C and 760 mm Hg.

ENERGY

It consists in the ratio between the energy supplied by the fan to the fluid and the energy used by the external source to put in operation the fan.

The formula is:

$$\eta = \frac{V \cdot pt}{6120 \cdot P}$$

where:

- V = delivery m³/min.
- pt = total pressure kgf/m²
- P = used energy by the fan indicated in kW
- η = fan efficiency

ROTATION SPEED

It is indicated by the number of rounds per minute: at this speed the wheel must rotate in order to get the required performances. N.B. The following tables show the characteristics of an operating device at air 15°C, barometric pressure 760 mm Hg, specific gravity 1,226 kg/m³, test according to UNI EN ISO 5801:2009 (UNI 10531:1995) rules. If customer wishes get different performances with intermediary value in respect of the value shown in the tables or if he prefers a device operating with air suction at different temperature in respect of 15°C and with different specific gravity in respect of 1,226 we suggest to follow these rules the characteristics of fans change according to the variation in speed rotation and considering the specific gravity of the fluid intaken.

- a) Variation of rotation speed (n) with air specific gravity constant.
- 1. The delivery (V) varies directly with rotations ratio:

$$V_1 = V \cdot \frac{n^1}{n}$$

- 2. The pressure varies with square number of rotations ratio:

$$pt_1 = pt \cdot \left(\frac{n^1}{n} \right)^2$$

- 3. The energy (P) varies with cube of rotations ratio:

$$P_1 = P \cdot \left(\frac{n^1}{n} \right)^3$$

- b) Variations of specific gravity (γ) of the air when rotation speed is constant.

- 1. The delivery (V) remains constant.
- 2. The pressure (pt) and the energy (P) vary directly with the ratio of specific gravities.

$$pt_1 = pt \cdot \frac{\gamma^1}{\gamma} \quad P_1 = P \cdot \frac{\gamma^1}{\gamma}$$

The specific gravity of the air at different temperatures is obtained through the formula:

$$\gamma = \frac{1,293 \cdot 273}{(273+t)} \quad (\text{kg/m}^3)$$

The air density depending on a change of the atmospheric pressure is given by the following formula:

$$\gamma = \frac{Pb \cdot 13.59}{29.27 \cdot (273 + t)} \quad (\text{kg/m}^3)$$

where:

- γ = specific gravity at °C
- 1,293 = specific gravity of the air at 0°C
- t = air temperature indicated in °C
- 273 = absolute zero
- Pb = atmospheric pressure mm Hg

This table shows directly the air specific gravity at different temperatures:

t°C	-20	-10	0	+10	+15	+20	+30	+40	+50	+60	+70	+80	+90	+100	+120	+140	+160	+180	+200	+220	+240	+260	+280	+300	+325	+350
γ	1,396	1,342	1,293	1,248	1,226	1,205	1,165	1,128	1,093	1,060	1,029	1,000	0,973	0,947	0,90	0,85	0,82	0,78	0,75	0,72	0,69	0,66	0,64	0,62	0,59	0,56

Atmospheric pressure depending on altitude above sea-level:

mt	0	500	1000	1500	2000	2500	3000	3500	4000	4500
Pb mm Hg	760	720	680	640	600	560	530	500	470	440

CHARACTERISTICS

The features listed in the diagrams are referred to air at the temperature of + 15°C and at the barometrical pressure of 760 mm. Hg with specific gravity 1,226 Kg/m³.

NOISE LEVEL

The noise level values indicated are expressed in decibel scale A (dB/A) they are understood measured in a free range at the distance of **1.5 m** from the fan operating with the highest output capacity, connected to inlet and outlet pipe connections (rules UNI EN ISO 3740-3744-3746-13347).

ORIENTATIONS

All the fans can be constructed with the delivery mouth in 16 different positions (8 in clockwise rotation RD and 8 in counterclockwise rotation LG) as indicated on the orientation tables. Please note that the direction of rotation is determined by looking at the fan from the transmission side. Some sizes of these fans are revolvable always considering the rotation direction. This information is indicated at the end of the various tables of the overall dimensions. Flange see DIN 24154-24158.

ACCESSORIES (delivery on request)

- **intaking and pressing counterflange;**
- **inspection door:** to inspect and to clean the wheel and the scroll inside;
- **discharge cap:** it eliminates the condensate if any inside the fan and it is situated on the lowest part of the scroll.
- **vibrating proof joints in intaking and pressing time:** they are used to avoid the spreading of vibrations to the pipes;
- **safety grate for intaking throat:** it is used to avoid accidents when the fan is intaking from the room;
- **regulation lock on delivery:** it is used to regulate the fan delivery;
- **regulator of the flow rate in intaking time:** it is used to regulate the fan flow rate and it maintains high the efficiency level, also in regulating time.

SPECIAL CONSTRUCTIONS

Spark proof construction: when explosive fluids are carried or when the plant is installed in dangerous environments, the parts that come into contact with the intaken fluid are constructed by material without iron content to avoid rubbing, motor on request is supplied in special construction.

Corrosionproofing construction: when corrosive fluids are carried, the parts that come into contact with the fluid are painted with special paints or they are constructed with special materials as austenitic stainless steels (AISI 304-316 etc.), Constructions can be effected according to the customer's particular needs.

SOME VALUES OF AIR SPEED THAT MUST BE OBSERVED INSIDE THE IRON PIPES FOR SUCTION PLANTS, RELATING TO FOLLOWING MATERIALS:

Cereals dust	16-19 m/s
Varnish dust	15-18 m/s
Wooden shaving and sawdust	18-24 m/s
Dry dust of chemicals	17-20 m/s
Coal dust	20-25 m/s
Dust of plastic material working	18-23 m/s
Foundry fumes	15-18 m/s
Lapping sharpening and bufing wheels	20-25 m/s
Fumes of solvents for degreasing	12-17 m/s
Metallic shaving and dust	25-38 m/s
Rubber dust	17-20 m/s
Any toxic dust	15-25 m/s
Zinc oxide dust	18-21 m/s
Saw dust of marble	20-25 m/s
Hides buffing	18-23 m/s

SOME DATA ABOUT THE NUMBER OF THE AIR CHANGINGS FORESEEN IN CIVIL, INDUSTRIAL AND AGRICULTURAL ENVIRONMENTS:

Enviroments	No. changings/hour				
Hen - hutch	8	Hide drying processes	35	Shops	5
Bovine - swine breeding	10	Facrories for rubber production	12	Hospitals	6
Hotel halls -rooms - corridors	4	Factories for alimentary pastes	6	Gymnasiums	20
Garages	8	Factories for chemicals production	15	Baker shops	15
Banks	6	Joineries	6	Swimming-pools	25
Bathrooms - showerbaths	6	Spinning - and weaving mills	5	Dance-halls	20
Galvanic baths	25	Foundries	25	Card-rooms	10
Carpenter shops - welding shops	12	Forge shops	25	Waiting-rooms	10
Heating plants	60	Steam laundries	30	Schools	6
Churches	15	Rooms for electric furnaces	30	Metallurgical works	5
Coffee - houses - bars - restaurants	10	Rooms for furnace	20	Supermarkets	5
Cinemas - theatres	15	Warehouses for perishable goods	15	Dyeing plants	30
Dye works	15	Warehouses for unperishable goods	5	Printing shops	20
Tanneries	18	Tobacco manufactures	12	Toilettes	30
		Grinding mills	20	Technical departments	15

series **CA-CQ** SPECIFICATIONS

USE:

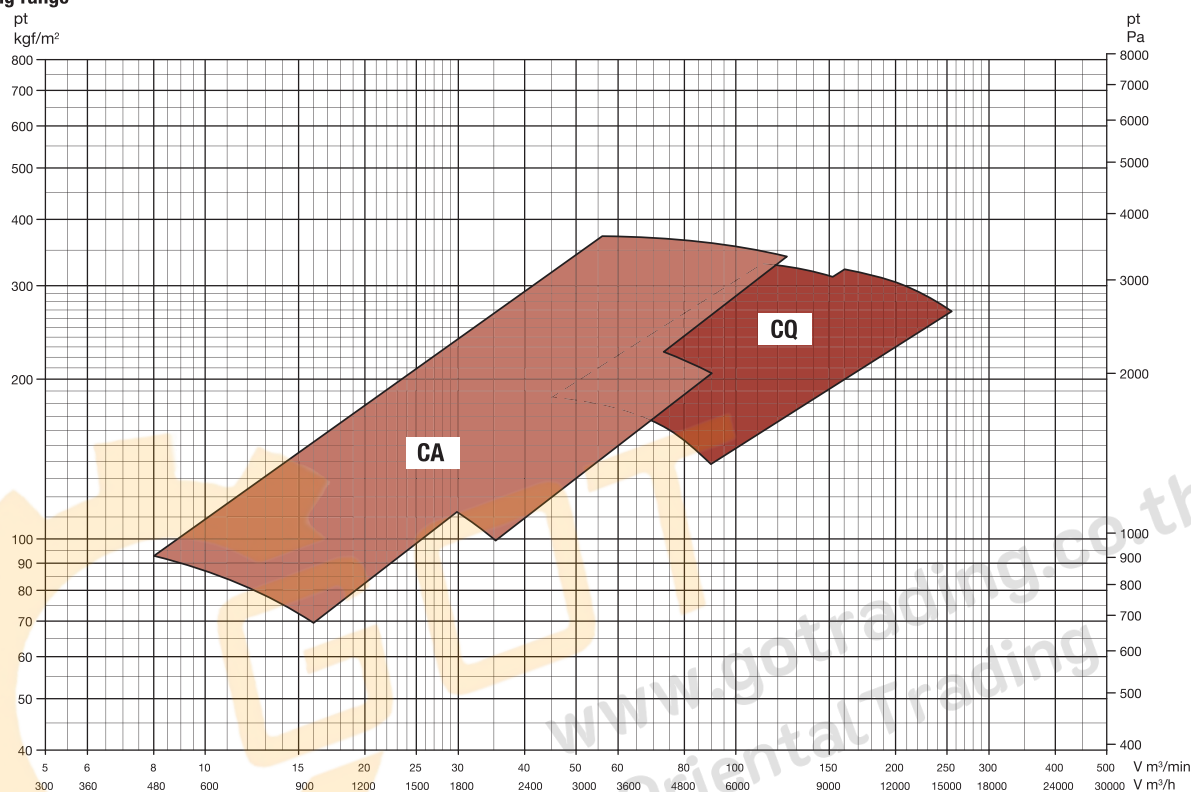
For the suction of very dusty air containing various types of materials in suspension.

These types of fans are mainly used in the following industries:

- joinery works (for the transport of saw dust and wooden shavings),
- tanneries (for the transport of trimmings and skin shavings),
- industries for plastic articles (for the transport of granulates).

The temperature of the fluid sucked in must not exceed 80°C.

Operating range



CA



CQ



SERIES **CA-CQ** SPECIFICATIONS

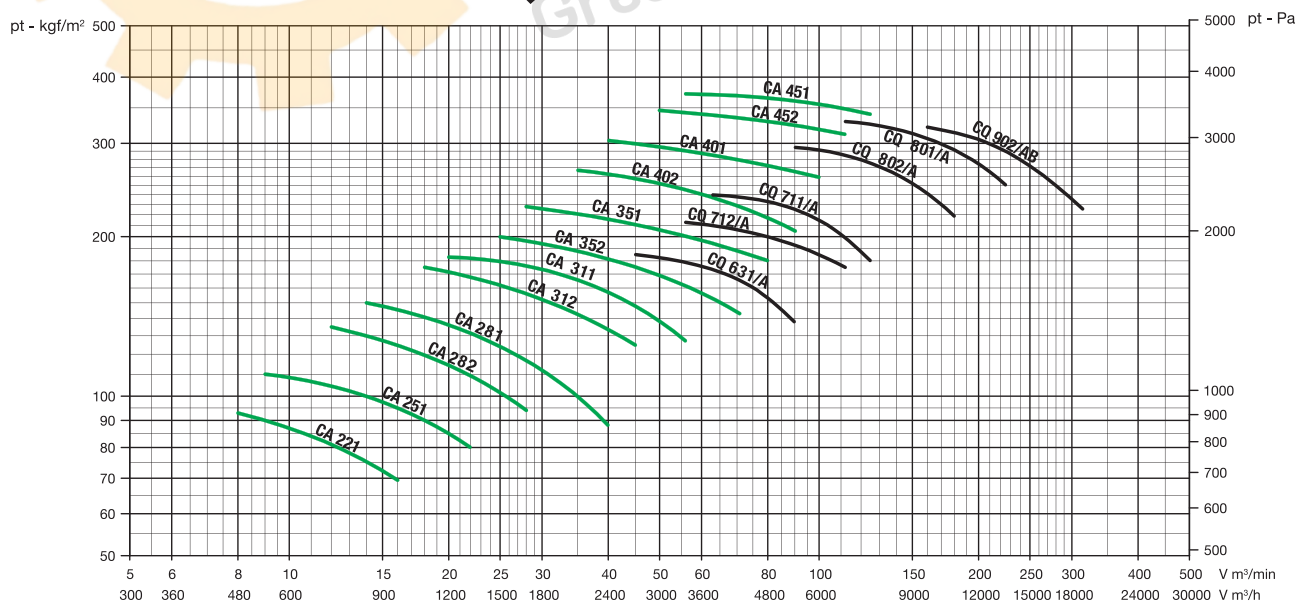
Type		kW ass.	kW inst.	n. min. ⁻¹	Lp dB/A	V = m³/min																							
						8	9	10	12	14	16	18	20	22	25	28	31	35	40	45	50	56	63	71	80	90	100	112	125
Fan	Motor					Pt = kgf/m²																							
CA 221	71 A2	0,33	0,37	2750	70	93	90	87	80	75	71																		
CA 251	71 B2	0,51	0,55	2750	73		110	108	105	100	94	89	85	80															
CA 282	80 A2	0,7	0,75	2830	74				135	130	125	120	114	109	100	94													
CA 281	80 B2	0,9	1,1	2830	75					150	146	140	135	130	125	117	110	100	88										
CA 312	90 S2	1,4	1,5	2850	77							175	170	166	160	157	150	145	135	125									
CA 311	90 L2	2	2,2	2850	78								185	183	180	178	175	173	155	150	138	132							
CA 352	100 LA2	2,8	3	2900	79										200	196	193	190	185	178	170	160	154	145					
CA 351	112 M2	3,6	4	2900	80											228	225	220	216	210	206	200	196	190	180				
CA 402	132 SA2	5	5,5	2900	82													270	265	260	252	245	240	230	220	205			
CA 401	132 SB2	6,5	7,5	2900	83														305	300	295	290	285	280	275	270	260		
CA 452	132 MB2	8,5	9	2900	84																350	345	340	335	330	325	320	315	
CA 451	160 MR2	10	11	2930	85																	372	370	368	365	360	355	350	340

Type		kW ass.	kW inst.	n. min. ⁻¹	Lp dB/A	V = m³/min																		
						45	50	56	63	71	80	90	100	112	125	140	160	180	200	225	250	280	315	
Fan	Motor					Pt = kgf/m²																		
CQ 631/A	112 M4	3,6	4	1425	73	185	183	178	173	165	154	138												
CQ 712/A	132 SA4	5,3	5,5	1440	75			215	210	205	200	192	185	175										
CQ 711/A	132 MA4	6,7	7,5	1450	76				240	238	232	225	215	200	180									
CQ 802/A	160 M4	10,5	11	1460	78							295	290	285	275	260	245	225						
CQ 801/A	160 L4	14	15	1460	79									330	325	318	307	287	278	250				
CQ 902/A	180 M4	17,6	18,5	1470	81												322	315	306	290	275			
CQ 902/B	180 L4	21	22	1470	82													322	315	306	290	275	250	225

Capacity tolerance ± 5 %

Noise level tolerance + 3 dB

Pa (Pascal) = kgf/m² x 9,807

CHARACTERISTIC CURVE SERIES **CA-CQ**

SERIES CA-CQ OVERALL DIMENSIONS AND WEIGHTS

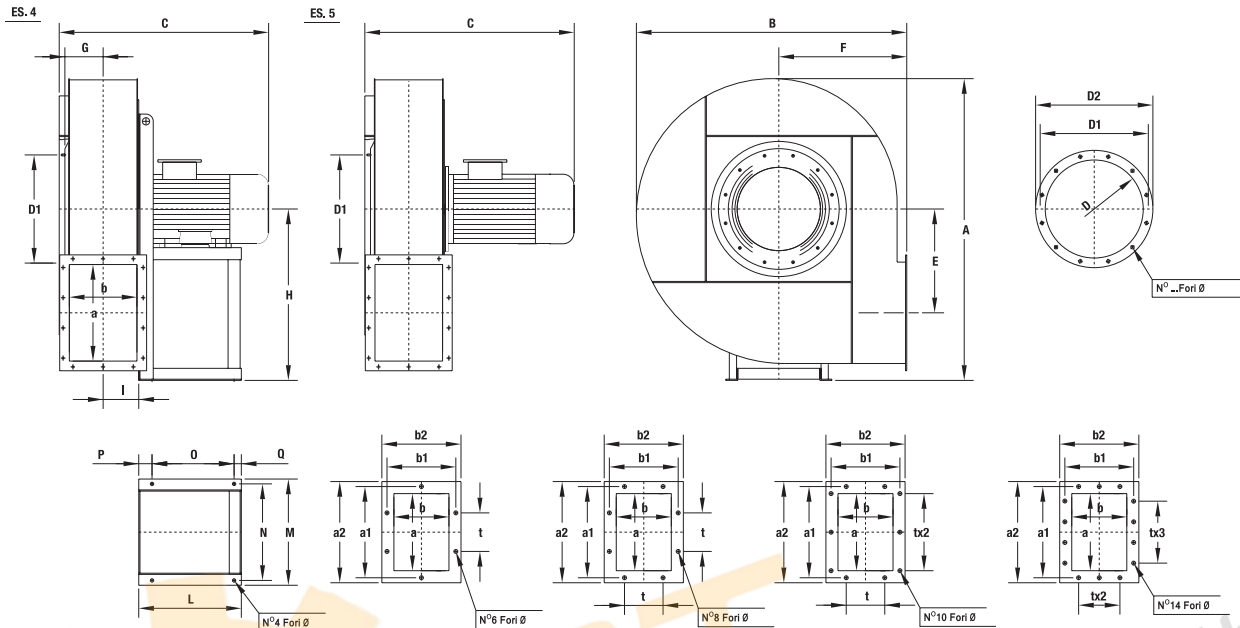
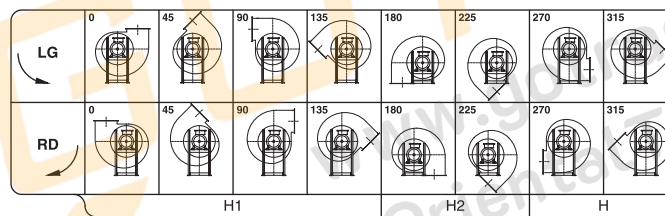


Table of discharge positions



The fan is revolvable

N.B.: For constructive reasons, the fans from size 451÷501 follow an orientation with angles of 30° instead of 45°.

Type		Fan										Base								Inlet flange					Outlet flange										Weight		Pd ² GD ²	
Fan	Motor	A	B	C	E	F	G	H	H ₁	H ₂	I	L	M	N	O	P	Q	o	D	D ₁	D ₂	N°	o	a	b	a ₁	b ₁	a ₂	b ₂	t	N°	o	Kg	Kg m ²				
CA 221	71 A2	475	355	345	130	160	63	300	300	160	56	190	235	215	125	50	15	10	129	165	189	4	9,5	140	100	182	141	210	170	112	6	11,5	14	0,05				
CA 251	71 B2	530	450	370	170	200	80	315	315	200	76	190	235	215	125	50	15	10	185	219	255	8	11,5	200	140	241	182	270	210	112	8	11,5	18	0,07				
CA 282	80 A2	590	495	420	202	212	90	355	355	212	84	190	235	215	125	50	15	10	205	241	275	8	11,5	224	160	265	200	294	230	112	8	11,5	23	0,10				
CA 281	80 B2	590	495	420	202	212	90	355	355	212	84	190	235	215	125	50	15	10	205	241	275	8	11,5	224	160	265	200	294	230	112	8	11,5	23	0,15				
CA 312	90 S2	665	550	490	228	236	101	400	400	236	95	215	270	245	137	60	18	10	229	265	299	8	11,5	250	180	292	219	320	250	112	10	11,5	28	0,20				
CA 311	90 L2	665	550	490	228	236	101	400	400	236	95	215	270	245	137	60	18	10	229	265	299	8	11,5	250	180	292	219	320	250	112	10	11,5	29	0,25				
CA 352	100 LA2	745	620	585	263	265	114	450	450	265	105	260	332	300	200	35	25	12	255	292	325	8	11,5	280	200	332	249	360	280	125	10	11,5	42	0,35				
CA 351	112 M2	745	620	585	263	265	114	450	450	265	105	260	332	300	200	35	25	12	255	292	325	8	11,5	280	200	332	249	360	280	125	10	11,5	43	0,40				
CA 402	132 SA2	830	695	670	292	300	128	500	500	300	117	320	392	360	250	45	25	12	286	332	366	8	11,5	315	224	366	273	395	304	125	10	11,5	52	0,55				
CA 401	132 SB2	830	695	670	292	300	128	500	500	300	117	320	392	360	250	45	25	12	286	332	366	8	11,5	315	224	366	273	395	304	125	10	11,5	53	0,65				
CA 452	132 MB2	930	780	700	328	335	145	560	560	335	132	320	392	360	250	45	25	12	321	366	401	8	11,5	355	250	405	300	435	330	125	10	11,5	67	0,90				
CA 451	160 MR2	930	780	835	328	335	145	560	560	335	132	425	440	400	340	55	30	14	321	366	401	8	11,5	355	250	405	300	435	330	125	10	11,5	73	1,20				
CQ 631/A	112 M4	990	895	615	342	425	132	560	560	425	120	260	332	300	200	35	25	12	321	366	401	8	11,5	315	224	366	273	395	304	125	10	11,5	110	3,8				
CQ 712/A	132 SA4	1115	1005	700	382	475	145	630	560	475	132	320	392	360	250	45	25	12	361	405	441	8	11,5	355	250	405	300	435	330	125	10	11,5	135	6,10				
CQ 711/A	132 MA4	1115	1005	700	382	475	145	630	560	475	132	320	392	360	250	45	25	12	361	405	441	8	11,5	355	250	405	300	435	330	125	10	11,5	140	6,70				
CQ 802/A	160 M4	1250	1120	870	430	530	160	710	630	530	146	425	440	400	340	55	30	14	406	448	486	12	11,5	400	280	448	332	480	360	125	14	11,5	180	9,00				
CQ 801/A	160 L4	1250	1120	870	430	530	160	710	630	530	146	425	440	400	340	55	30	14	406	448	486	12	11,5	400	280	448	332	480	360	125	14	11,5	183	10,20				
CQ 902/A	180 M4	1250	1120	905	405	530	181	710	630	530	165	470	500	450	370	65	35	14	506	551	586	12	11,5	450	315	497	366	530	395	125	14	11,5	222	12,00				
CQ 902/B	180 L4	1250	1120	980	405	530	181	710	630	530	165	470	500	450	370	65	35	14	506	551	586	12	11,5	450	315	497	366	530	395	125	14	11,5	226	12,00				

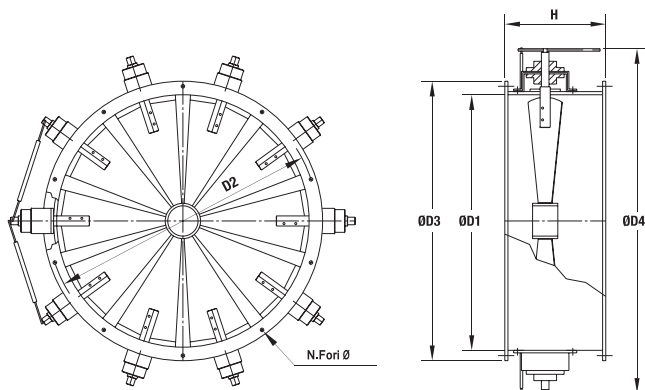
The above data are unbinding

Fan weight in kg (without motor)

Accessories

Circular flow regulators

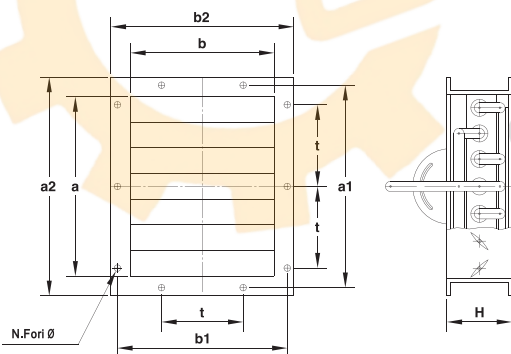
OVERALL DIMENSIONS in mm



Type	D ₁	D ₂	D ₃	D ₄	H	n°	fori Ø	Weight kg
280	280	332	366	450	280	8	11,5	24
315	321	366	400	570	280			30
355	361	405	440	610	280			33
400*	406	448	485	650	315	12	11,5	36
450	456	497	535	700	315			40
500	506	551	585	820	355			53
560	568	629	666	880	355	16	11,5	60
630	638	698	736	990	355			68
710	718	775	816	1070	355			75
800	808	861	906	1160	400	24	14	85
900	908	958	1006	1260	400			100
1000	1008	1067	1107	1360	400			130
1120	1130	1200	1248	1480	450	32	18	160
1250	1260	1337	1380	1610	450			180
1400	1420	1491	1540	1760	450			210
1600	1610	1663	1730	1960	500	32	18	230
1800	1810	1880	1950	2200	500			280
2000	2010	2073	2130	2380	500			340

Rectangular flow regulators, outflow end

OVERALL DIMENSIONS in mm



Type	a	b	a ₁	b ₁	a ₂	b ₂	H	t	n°	fori Ø	Weight kg
90 x 63	90	63	112	90	150	123	130	-	4	9	2,2
100 x 71	100	71	125	100	160	131	130	-			2,5
112 x 80	112	80	140	112	172	140	130	-			2,7
125 x 90	125	90	165	130	185	150	130	112	6	11,5	3
140 x 100	140	100	182	141	210	170	130				3,3
160 x 112	160	112	200	153	230	182	130				3,8
180 x 125	180	125	219	167	250	195	130	125	8	11,5	4,5
200 x 140	200	140	241	182	270	210	130				5,3
224 x 160	224	160	265	200	294	230	130				6,5
250 x 180	250	180	292	219	320	250	130	160	10	14	7,5
280 x 200	280	200	332	249	360	280	130				8,5
315 x 224	315	224	366	273	395	304	130				9,6
355 x 250	355	250	405	300	435	330	130	200	14	18	11
400 x 280	400	280	448	332	484	368	130				13
450 x 315	450	315	497	366	533	402	130				18
500 x 355	500	355	551	405	587	441	150	24	20	22	21
560 x 400	560	400	629	464	669	504	150				26
630 x 450	630	450	698	513	738	553	180				30
710 x 500	710	500	775	567	815	607	180	32	24	28	34
800 x 560	800	560	871	639	921	689	200				42
900 x 630	900	630	968	708	1018	758	200				48
1000 x 710	1000	710	1077	785	1127	835	200	36	28	32	65
1120 x 800	1120	800	1210	881	1270	941	220				80
1250 x 900	1250	900	1347	978	1407	1038	220				95
1400 x 1000	1400	1000	1501	1087	1560	1160	250	40	32	36	110
1600 x 1120	1600	1120	1683	1220	1760	1280	250				150
1800 x 1250	1800	1250	1876	1357	1960	1410	280				200
2000 x 1400	2000	1400	2093	1511	2180	1580	280	44	36	40	280

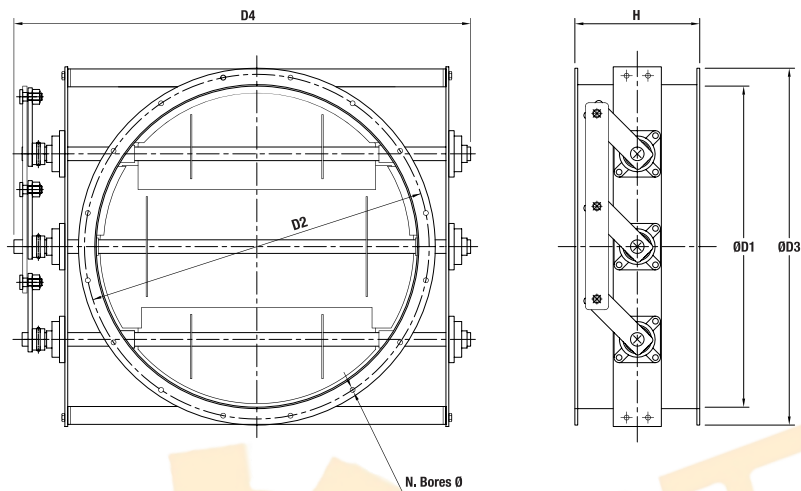
External **flow regulator** designed for dusty air, sturdy construction, for industrial use.
Layout 1 = max. temperature 120°C.
Layout 2 = from 120 to 350°C. + pression ≥ 700 mm H₂O.



Accessories

Louver flow regulators

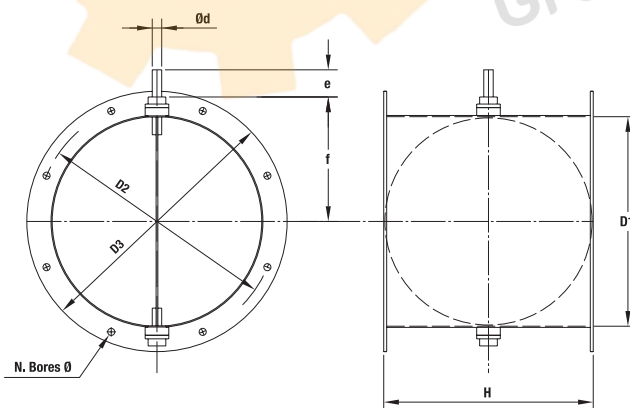
OVERALL DIMENSIONS in mm



Type	D ₁	D ₂	D ₃	D ₄	H	Weight kg
315	315	366	400	640	280	21
355	355	405	440	680	280	23
400 *	400	448	485	720	315	29
450	450	497	535	770	315	32
500	500	551	585	820	355	60
560	560	629	666	900	355	75
630	630	698	736	1040	355	80
710	710	775	816	1130	355	86
800	800	861	906	1220	400	93
900	900	958	1006	1320	400	110
1000	1000	1067	1107	1420	400	126
1120	1120	1200	1248	1560	450	160
1250	1250	1337	1380	1690	450	192
1400	1400	1491	1540	1860	450	260
1600	1600	1663	1730	2050	500	320

Butterfly flow regulators

OVERALL DIMENSIONS in mm

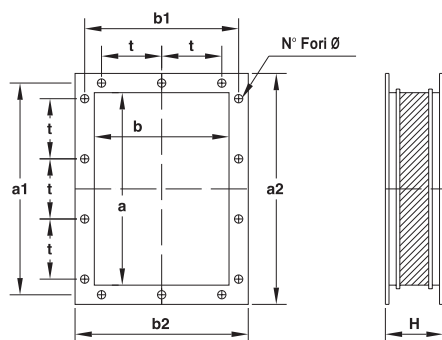


Type	D ₁	D ₂	D ₃	d	e	f	H	n°...Bores Ø	Weight kg
140	140	182	215	14	30	110	140	8 - 11,5	2,8
160	160	200	235	14	30	120	160	8 - 11,5	3,2
180	180	219	255	14	30	130	180	8 - 11,5	4
200	200	241	275	16	30	140	200	8 - 11,5	4,8
224	224	265	299	16	30	150	224	8 - 11,5	5,5
250	250	292	325	16	45	165	250	8 - 11,5	6,5
280	280	332	366	16	45	180	280	8 - 11,5	8,5
315	315	366	401	16	45	195	315	8 - 11,5	10,5
355	355	405	441	16	45	215	355	8 - 11,5	13,5
400 *	400	448	486	16	45	240	400	12 - 11,5	18
450	450	497	535	20	60	280	450	12 - 11,5	23
500	500	551	585	20	60	305	500	12 - 11,5	29
560	560	629	666	20	60	335	560	16 - 11,5	36
630	630	698	736	20	60	370	630	16 - 13	47
710	710	775	816	20	60	410	710	16 - 13	61
800	800	861	906	30	70	455	800	16 - 13	80
900	900	958	1006	30	70	505	900	16 - 13	100
1000	1000	1067	1107	30	70	555	1000	24 - 14	155
1120	1120	1200	1248	30	70	615	1120	24 - 14	190



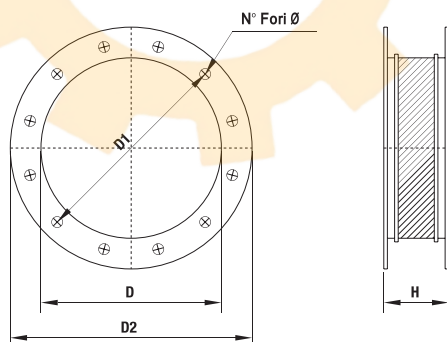
Accessories

Vibration-damping couplings outflow-end



Series	mm								Fori		Weight
	a	b	a ₁	b ₁	a ₂	b ₂	t	H	n°	Ø	kg
90 x 63	90	63	112	90	150	123	-	140	4	11	1
100 x 71	100	71	125	100	160	131	-	140	4	11	1,1
112 x 80	112	80	140	112	172	140	-	140	4	11	1,3
125 x 90	125	90	165	130	185	150	100	140	6	11	1,6
140 x 100	140	100	182	141	210	170	112	140	6	12	2,1
160 x 112	160	112	200	153	230	182	112	140	6	12	2,6
180 x 125	180	125	219	167	250	195	112	140	6	12	3,2
200 x 140	200	140	241	182	270	210	112	140	8	12	3,9
224 x 160	224	160	265	200	294	230	112	140	8	12	4,6
250 x 180	250	180	292	219	320	250	112	140	10	12	5,5
280 x 200	280	200	332	249	360	280	125	140	10	12	7
315 x 224	315	224	366	273	395	304	125	140	10	12	8,2
355 x 250	355	250	405	300	435	330	125	140	10	12	10
400 x 280	400	280	448	332	480	360	125	140	14	12	11,2
450 x 315	450	315	497	366	530	395	125	140	14	12	13
500 x 355	500	355	551	405	580	435	125	160	14	11,5	14,5
560 x 400	560	400	629	464	660	500	160	160	14	14	18
630 x 450	630	450	698	513	730	550	160	160	14	14	19,5
710 x 500	710	500	775	567	810	600	160	160	16	14	22
800 x 560	800	560	871	639	930	690	200	160	14	14	31
900 x 630	900	630	968	708	1030	760	200	160	18	14	37
1000 x 710	1000	710	1077	785	1130	830	200	200	18	14	45
1120 x 800	1120	800	1210	881	1270	940	200	200	20	18	56
1250 x 900	1250	900	1347	978	1400	1040	200	200	24	18	65
1400 x 1000	1400	1000	1501	1087	1550	1160	200	200	24	18	80
1600 x 1120	1600	1120	1683	1220	1760	1280	200	200	28	22	100
1800 x 1250	1800	1250	1876	1357	1960	1410	200	200	32	22	130
2000 x 1400	2000	1400	2093	1511	2180	1580	200	200	34	22	165

Vibration-damping couplings intake-end

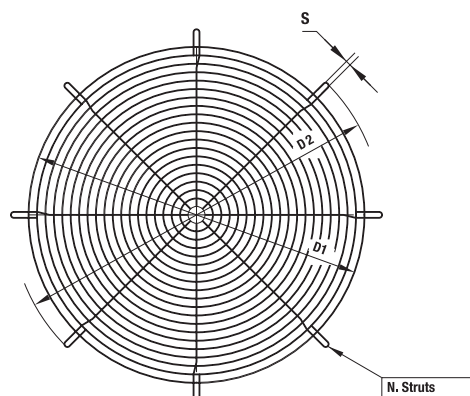


Series	mm				Fori		Weight
	D	D ₁	D ₂	H	n°	Ø	kg
140	140	182	215	140	8	11,5	3
160	160	200	235	140	8	11,5	3,2
180	180	219	255	140	8	11,5	3,5
200	200	241	275	140	8	11,5	3,8
224	224	265	299	140	8	11,5	4,2
250	250	292	325	140	8	11,5	5
280	280	332	366	140	8	11,5	6,8
315	315	366	401	140	8	11,5	7,5
355	355	405	440	140	8	11,5	9
400 *	400	448	485	140	12	11,5	10
450	450	497	535	140	12	11,5	11,5
500	500	551	585	160	12	11,5	13
560	560	629	666	160	16	11,5	16
630	630	698	736	160	16	13	17,5
710	710	775	816	160	16	13	20
800	800	861	906	160	16	13	22
900	900	958	1006	160	16	13	25
1000	1000	1067	1107	200	24	14	28
1120	1120	1200	1248	200	24	14	42
1250	1250	1337	1380	200	24	14	46
1400	1400	1491	1540	200	24	16	52
1600	1600	1663	1730	200	24	16	62
1800	1810	1880	1950	200	32	18	85
2000	2010	2073	2130	200	32	18	110

Coupling 1 : PVC hoop-iron max temperature 80° C; from 80° to 350° C fiber glass strap aluminium - **Coupling 2** : Like type 1 plus anti-wear protection.

Accessories

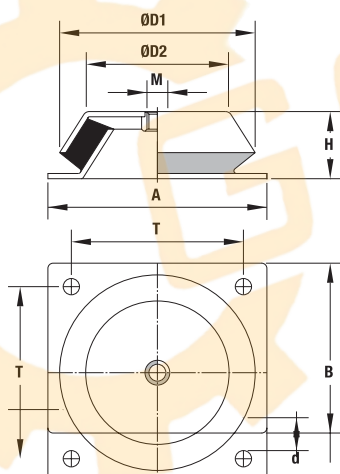
Protection Net



Dn	(mm)	(mm)	(mm)	
RP 125	140	220	12	4
RP 140				
RP 160				
RP 180				
RP 200	212	285	12	4
RP 224				
RP 250				
RP 280				
RP 315	312	385	12	4
RP 355				
RP 400				
RP 450				
RP 500	450	528	12	4
RP 560	500	580	16	4
RP 630	562	650	16	4
RP 710	620	720	16	8
RP 800	710	800	16	8
RP 900	795	895	16	8
RP 1000	890	990	16	8
RP 1120	990	1130	18	8
RP 1250	1115	1250	18	8
RP 1400	1245	1400	20	8
RP 1600	1405	1560	20	8
RP 1800	1595	1750	20	8
RP 2000	1795	1950	20	8
RP 2200	1995	2150	20	8

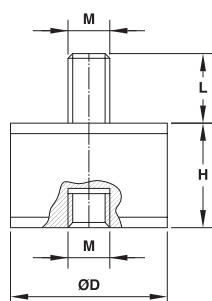
ISOLATOR

TYPE A



Type	A	B	H	M	T	d	D1	D2
MOD 58540	108	108	40	12	88	9	101	75
MOD 33629	168	168	50	16	132	13	136	125
MOD 58541	200	200	70	20	165	13	192	170

TYPE B



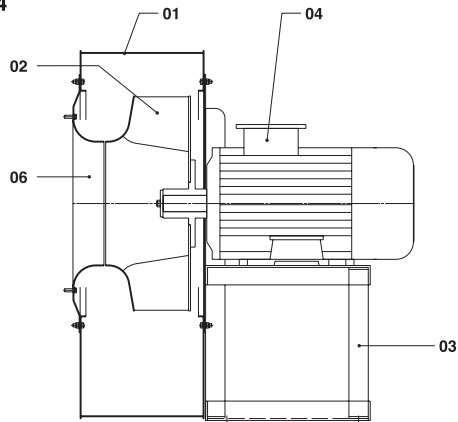
Type	D	H	M	L
B_D3020	30	20	8	20
B_D3030	30	30	8	20
B_D4030	40	30	8	23
B_D4040	40	40	8	23
B_D5020	50	20	10	28
B_D5030	50	30	10	28
B_D5045	50	45	10	28
B_D7045	70	45	10	30
B_D7540	75	40	12	37
B_D7555	75	55	12	37
B_D10040	100	40	16	45
B_D10055	100	55	16	45
B_D10075	100	75	16	45

(Quote = mm)

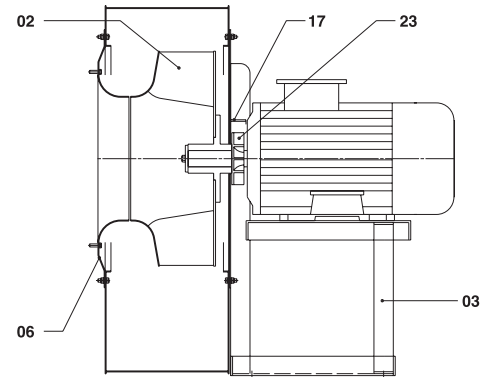


SECTION

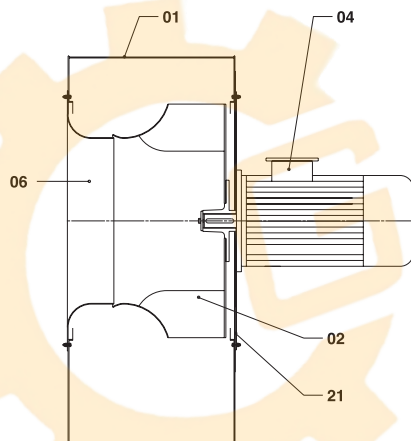
Esec. 4



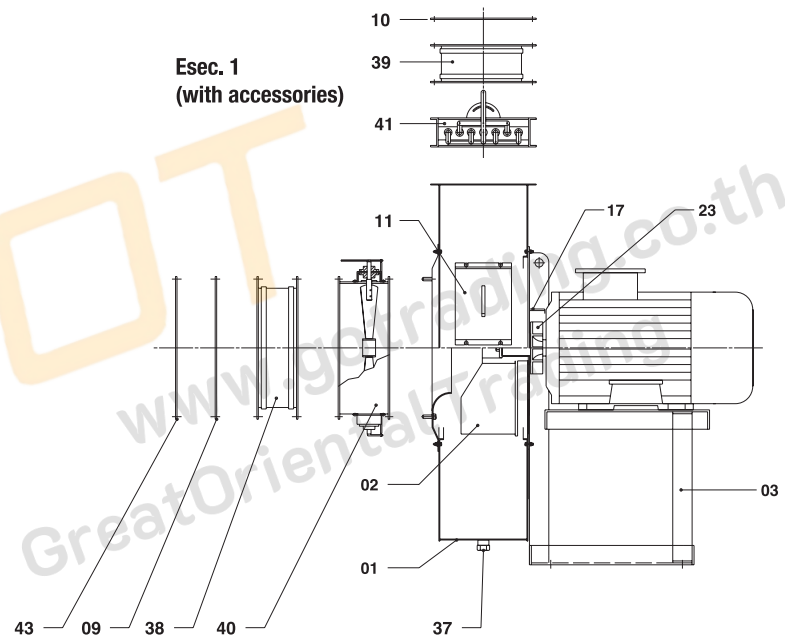
Esec. 4 (with fan)



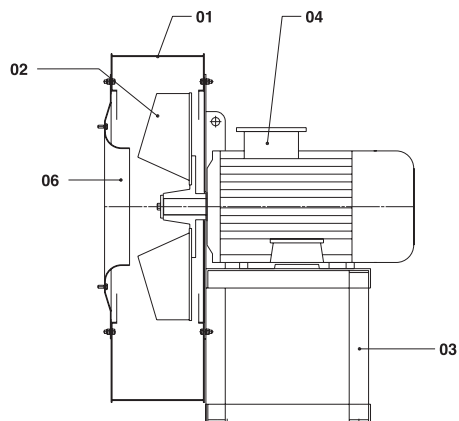
Esec. 5



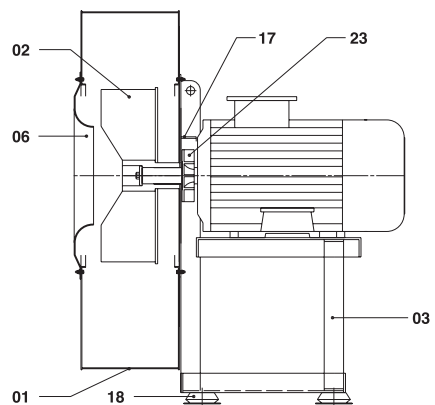
**Esec. 1
(with accessories)**



Esec. 4

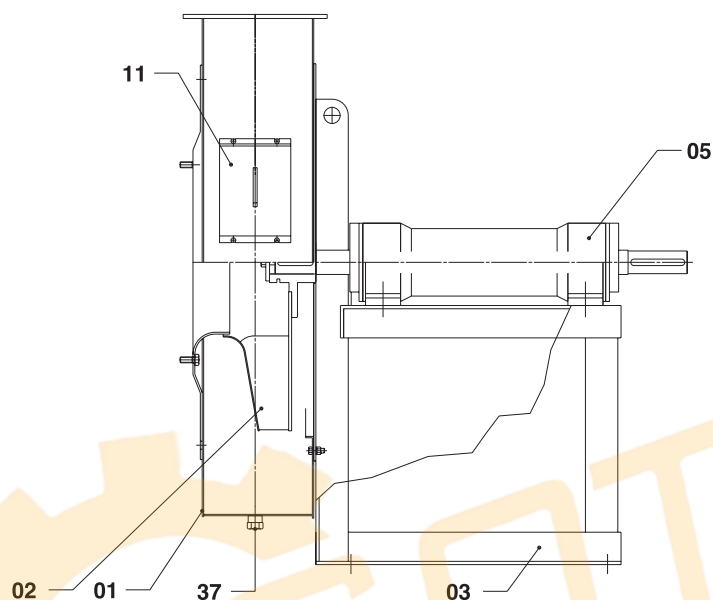


Esec. 4 (with fan)

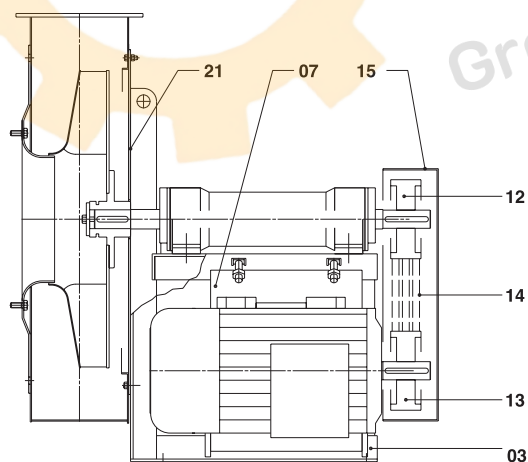


SECTION

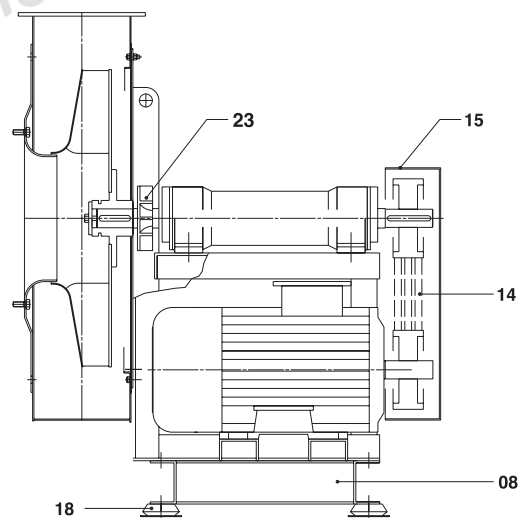
Esec. 1



Esec. 9



Esec. 12



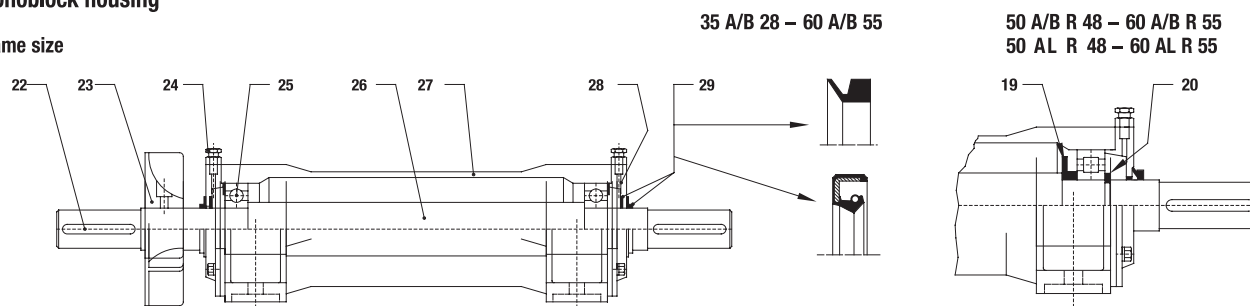
SPARE PARTS

- 01 - CASE
- 02 - IMPELLER
- 03 - BASE
- 04 - MOTOR
- 05 - SUPPORT
- 06 - NOZZLE
- 07 - TURNING BASE
- * 09 - SUCKING COUNTERFLANGE
- * 10 - PRESSING COUNTERFLANGE
- * 11 - INSPECTION DOOR
- 15 - BELT PROTECTION CASE
- 16 - CONNECTIME PIPE
- 17 - COOLING FAN PROTECTION
- * 18 - SHOCK ISOLATING MOUNTINGS
- 19 - GREASE PROTECTION RING
- 22 - KEY
- 23 - COOLING FAN
- 24 - LUBRIFICATOR
- 25 - BEARING
- 26 - SHAFT
- 27 - CASE
- 28 - CAP
- 29 - PROTECTION RING
- 30 - COVER
- 31 - HOUSING
- 32 - FIXING COLLARS
- 33 - LOCKING COMPASS
- 34 - RING NUT
- 35 - SECURITY WASHER
- 36 - SEMI-ELASTIC JOINT
- 37 - DISCHARGE CAP
- * 38 - SUCKING FLEXIBLE JOINT
- * 39 - PRESSING FLEXIBLE JOINT
- * 40 - CIRCULAR FLOW REGULATOR
- * 41 - RECTANGULAR FLOW REGULATOR
- * 43 - PROTECTION NET

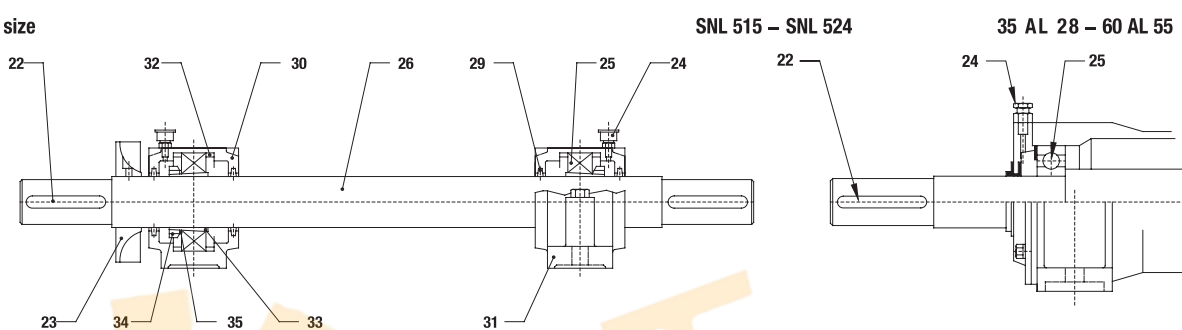
SECTION

Monoblock housing

Frame size



Frame size



SPARE PARTS

- | | |
|--------------------------------|---------------------------------|
| 01 - CASE | 22 - KEY |
| 02 - IMPELLER | 23 - COOLING FAN |
| 03 - BASE | 24 - LUBRIFICATOR |
| 04 - MOTOR | 25 - BEARING |
| 05 - SUPPORT | 26 - SHAFT |
| 06 - NOZZLE | 27 - SUPPORT HOUSING |
| 07 - TURNING BASE | 28 - CAP |
| 08 - BEDPLATE | 29 - PROTECTION RING |
| 09 - SUCKING COUNTERFLANGE | 30 - COVER |
| 10 - PRESSING COUNTERFLANGE | 31 - HOUSING |
| 11 - INSPECTION DOOR | 32 - FIXING COLLARS |
| 12 - FAN PULLEY | 33 - LOCKING COMPASS |
| 13 - MOTOR PULLEY | 34 - RING NUT |
| 14 - FAN BELTS | 35 - SECURITY WASHER |
| 15 - BELT PROTECTION CASE | 37 - DISCHARGE CAP |
| 17 - COOLING FAN PROTECTION | 38 - SUCKING FLEXIBLE JOINT |
| 18 - SHOCK ISOLATING MOUNTINGS | 39 - PRESSING FLEXIBLE JOINT |
| 19 - GREASE PROTECTION RING | 40 - CIRCULAR FLOW REGULATOR |
| 20 - SEEGER RING | 41 - RECTANGULAR FLOW REGULATOR |
| 21 - BASE PLATE | 43 - PROTECTION NET |

Inquiry for Eurovent Blower

Subject : _____ Data : _____
 From : _____ Job No.: _____
 Company : _____
 Contact : _____
 Tel : _____
 Fax : _____ E-mail : _____

Fan Specification

Technical Data Information	
Model	m ³ /min
Air volume	mm Wg
Static pressure	mm Wg
Total pressure	°C
Service Temperature	rpm
Fan speed	KW
Motor	%
Efficiency	
Colour (Standard Green)	
Qty .	Set
Construction	
Type	☐ Centifugal ☐ Axial ☐ Propeller ☐ recommended by vendor
Power Transmission	☐ Direct ☐ Belt ☐ recommended by vendor
Position (see table 1)	
Accessory	☐ Inlet Damper ☐ Outlet Damper ☐ Filter ☐ Expansion joint ☐ Inspection Hole ☐ Drain with plug
Application	

if replace for old blower please give original information.

**** Do not use direct drive for hot air fan**

This information above is for guideline only , fan supplier should re-check and select the proper solutions.

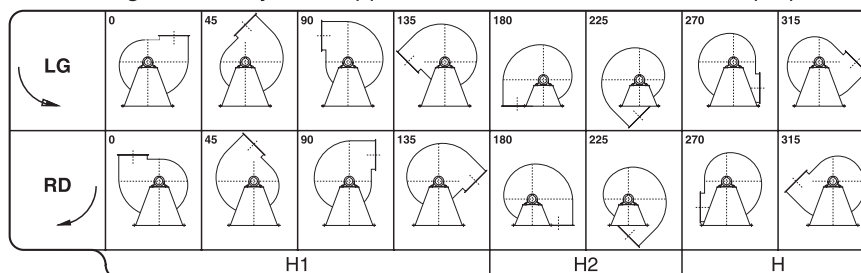


Table 1 Show position

Please send to

E-mail : info@euroventblower.com

Checked by	Approve by



EuroVent

www.gotrading.co.th
GreatOrientalTrading

บริษัท เกรทโอเรียนเต็ลเทรดดิ้ง จำกัด
เลขที่ 1049 ถนนร่วมธรรม
ตำบลค้อหงส์ อำเภอหาดใหญ่
จังหวัดสงขลา 90110
074-300212-4



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GreaOrientalTrading



097-361-9703



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