Duct-M ATEX

- Cased axial duct fan
- Until 125.000 m³/h
- IP55

Axial explosion-proof fans type Duct-M ATEX

Axial fan with long housing

Application

- General ventilation, cooling, climate control, harvesting of crops, ventilation in chemical processes and fire ventilation

Composition

- The steel housing is fully galvanized after manufacture. The flanges are an integral part of the housing and are provided with bolt holes
- The screw is of the type with adjustable blade angle when stationary. It is balanced according to ISO 1940-1986 - Grade G 6.3. The distance between the screw and the fan housing must not exceed 0.6% of the screw diameter. The propeller blades have an aerofoil profile
- The core and the propeller blades are cast from an aluminum alloy and are checked with X-rays for cavities and structural defects
- The motor is of the asynchronous cage anchor type, fully closed and with overheat protection
- Voltage: 230Vac 1ph 50Hz or 400Vac 3ph 50Hz
- Protection IP55 - Insulation class F

Options

- Two-speed engines
- Stainless steel version

Accessories

- Silencers, support feet, vibration dampers, counter flanges, flexible sleeves, round check valve, protective grilles, inlet cone
- Electronic speed controller, speed controller with transformer and frequency converters

Text for tender

- Cased explosion-proof axial fans used for large air capacities with relatively low pressures are required in duct mounted applications, **Cairox** type **DUCT-M ATEX**

Order example

- **DUCT-M ATEX 314/4M-A + FC-DU + AV + CF-DU**

Explanation:
DUCT-M ATEX = Type of cased axial explosion-proof fan
M = Type of case lenght; M = middle, S = Short; L = Long
31 = Hub size
4 = Number of poles; **2 -** 3000rpm; **4 -** 1500rpm; **6 -** 1000rpm; **8 -** 750rpm
M = Monophase; **T =** Threephase
A = Type of motor
FC-DU = Flexible connection
AV = Antivibration mounts
CF-DU = Coiunter flange

Prices

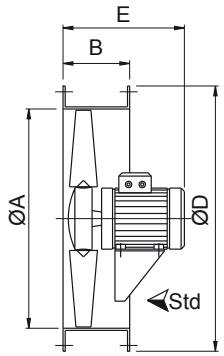
Prices are available upon request. Please include the following information in your competition in order to make you a compliant offer:

- Airflow rate [m³/h]
- External pressure drop required [Pa]
- Free intake or channel connection

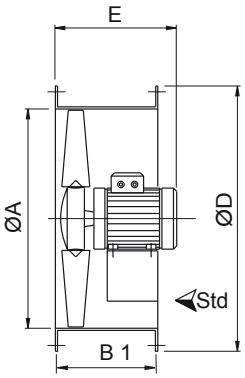
Technical data					
Type	Flow rate [m³/h]	Power [kW]	Max. current [A]	Mot [H]	Sound pressure [dB(A)]
4 poles (1500 rpm) - single-phase (1Ph-230V 50 Hz)					
314/A M	2400	0.09	1	56	52
354/A M	3200	0.09	1	56	56
404/A M	3700	0.12	1.1	63	61
404/B M	4500	0.18	1.6	63	62
454/A M	6000	0.25	2.3	71	65
454/B M	7200	0.37	3.3	71	66
4 poles (1500 rpm) - three-phase (3Ph-400V 50 Hz)					
314/A T	2400	0.09	0.4	56	52
354/A T	3200	0.09	0.4	56	56
404/A T	3700	0.12	0.5	63	61
404/B T	4500	0.18	0.6	63	62
454/A T	6000	0.25	0.8	71	65
454/B T	7200	0.37	1.2	71	66
504/A T	7700	0.37	1.2	71	68
504/B T	9200	0.55	1.6	80	69
564/A T	10000	0.55	1.6	80	71
564/B T	11000	0.75	2	80	72
634/A T	12000	0.75	2	80	75
634/B T	15000	1.1	2.8	90	76
634/C T	16000	2.2	5	100	76
714/A T	16000	1.5	3.5	90	77
714/B T	21000	2.2	5	100	77
714/C T	18000	2.2	5	100	77
714/D T	22000	3	6.5	100	79
804/A T	22000	3	6.5	100	78
804/B T	24000	4	8.2	112	79
804/C T	32000	5.5	11	132	80
804/D T	40000	7.5	15	132	80
904/A T	36000	5.5	11	132	85
904/B T	40000	7.5	15	132	86
904/C T	43000	7.5	15	132	86
904/D T	50000	9.2	18	132	86
1004/A T	40000	5.5	11	132	88
1004/B T	49000	7.5	15	132	89
1004/C T	55000	11	21	160	89
1004/D T	59000	15	27.8	160	90
1004/E T	67300	18.5	32.6	180	90
1124/A T	74500	18.5	32.6	180	93
1124/B T	82000	22	38.8	180	94
1124/C T	97000	30	53	200	94
1254/A T	95000	22	38.8	180	97
1254/B T	110000	30	53	200	98
1254/C T	125000	37	64	225	98
6 poles (1000 rpm) - three-phase (3Ph-400V 50 Hz)					
506/A T	6000	0.18	0.7	71	58
566/A T	8000	0.25	1	71	62
636/A T	11000	0.37	1.3	80	66
636/B T	13500	0.75	2.2	90	65
716/A T	15000	0.75	2.2	90	67
716/B T	16500	1.1	3	90	66
806/A T	14500	0.75	2.2	90	68
806/B T	18000	1.1	3	90	68
806/C T	21000	1.5	4	100	69
906/A T	23500	1.5	4	100	75
906/B T	28000	2.2	5	112	75
906/C T	30500	2.2	5	112	75
1006/A T	25500	1.5	4	100	79
1006/B T	32000	2.2	5	112	79
1006/C T	38500	3	7	132	80
1126/B T	43000	4	9	132	83
1126/C T	51500	5.5	12	132	83
1256/B T	50000	7.5	15	160	87
1256/C T	70000	11	22	160	88
1256/D T	77300	11	22	160	88
1406/A T	108000	18.5	35	200	91
8 poles (750 rpm) - three-phase (3Ph-400V 50 Hz)					
568/A T	6500	0.12	0.7	71	56
638/A T	8000	0.18	0.8	80	60
718/A T	11000	0.37	1.5	90	61
808/A T	10500	0.37	1.5	90	61
808/B T	12000	0.37	1.5	90	62
908/A T	17000	0.75	2.3	100	69
908/B T	19000	0.75	2.3	100	69
1008/A T	19500	0.75	2.3	100	74
1008/B T	24000	1.1	3.4	100	74
1128/C T	38500	2.2	5.5	132	77
1258/A T	31600	2.2	5.5	132	81
1258/B T	37300	3	7.3	132	81
1258/C T	46700	4	9.3	160	82
1258/D T	54400	4	9.3	160	82
1408/A T	80000	7.5	14.7	160	85

Sound pressure level is measured in free field at 3 m from the fan, in any direction, with ducted inlet and outlet.

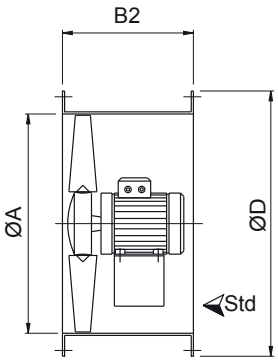
DUCT-Ms

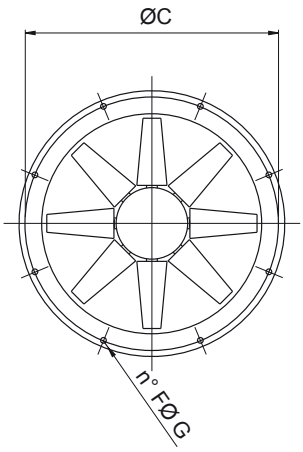


DUCT-Mm

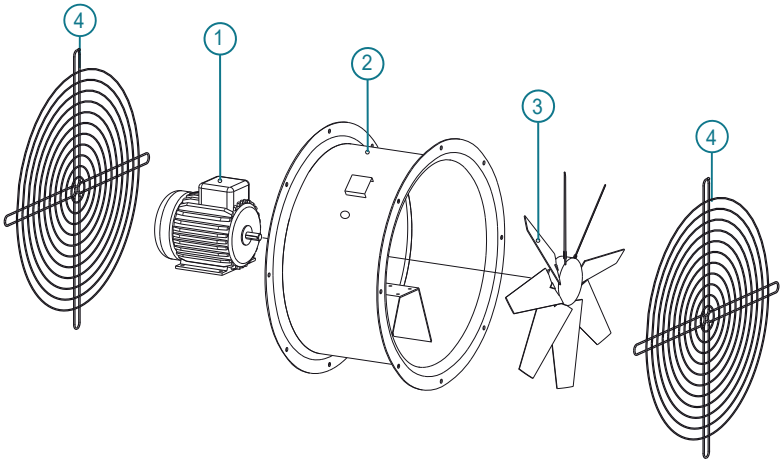


DUCT-MI





Dimensions												
	ØA [mm]	B [mm]	B1 [mm]	B2 [mm]	C [mm]	ØD	E [mm]	F [mm]	G [mm]	Kg (Ms)	Kg (Mm)	Kg (MI)
31	310	260	260	-	355	390	250/230	8	10	13/18	13/18	13/18
35	360	260	260	-	395	430	250/320	8	10	14/19	14/19	-
40	410	260	260	400	450	490	300/380	8	12	16/27	16/27	19/30
45	460	260	260	450	500	540	350/390	8	12	23/33	23/33	26/36
50	510	260	260	450	560	600	350/390	12	12	25/40	25/40	29/44
56	570	260	260	450	620	655	350/390	12	12	28/45	28/45	34/51
63	640	260	350	500	690	725	400/490	12	12	34/56	37/59	41/63
71	710	260	350	600	770	805	400/490	16	12	41/92	44/95	53/104
80	810	350	450	600	860	905	450/610	16	12	50/120	54/124	60/134
90	910	350	450	700	970	1010	450/690	16	16	80/197	87/204	105/222
100	1010	-	560	800	1070	1115	700/830	16	16	92/235	107/250	123/266
112	1130	-	560	800	1190	1235	700/880	20	16	120/289	136/295	157/317
125	1260	-	560	800	1320	1365	700/1000	20	16	150/310	169/329	192/352



1 - Motor
2 - Casing
3 - Impeller
4 - Grid (mandatory for free air)