



Robust centrifugal single-inlet, fans fitted with an impeller with backward-facing blades made from robust sheet steel with motor support stand



- Sheet steel frame
- high performance backward curved impeller.
- Aerodynamically tested to achieve maximum output with minimum sound level.
- Housing with anticorrosive finish
- Max. air flow temperature: 120° C

Motor

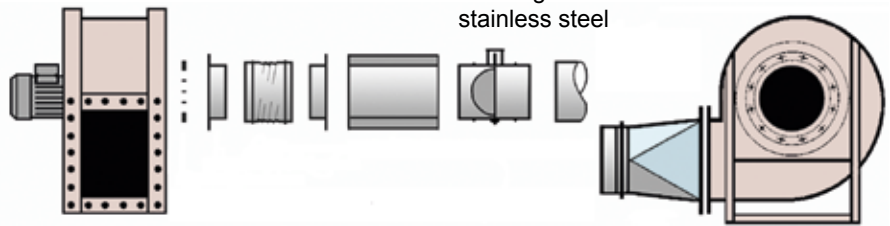
- Motor Iso Class F, protection IP55
- three phase norm motor
230/400V - 50Hz (up to 4 kW) and
400/690V - 50Hz (more than 4kW)

On demand

- Category 2 G or D ATEX certification for explosive atmospheres and CE mark Ex II 2 G/D Eex E or D.
- maximum temperature of 250°C.
- Inlet and round outlet flanges, inlet protection grid
- Silencer, shaft sealing, speed control
- Other positions of the housing, damper / throttle
- Flexible flanges, motor with other frequencies, other voltage
- housing and wheel made from stainless steel



high performance backward curved impeller, anticorrosive finish



Technical details

Model code	speed	Stromstärke A			volume air flow	motor	inlet	outlet
	rpm	230V	400V	690V	m³/hr	kW	mm	mm
DCMR-1031-2T	2900	5,63	3,25		5160	1,5	B-315/4	250x315
DCMR-1135-2T	2900	7,88	4,55		7800	2,2	B-355/1	280x355
DCMR-1240-2T	2895	13,51	7,8		11100	4	B-400/2	315x400
DCMR-1240-4T	1455	3,22	1,86		5800	0,75	B-400/2	315x400
DCMR-1445-2T	2915		13,9	8	16500	7,5	B-450/2	355x450
DCMR-1445-4T	1460	4,42	2,55		8030	1,1	B-450/2	355x450
DCMR-1650-2T	2910		20	11,5	18850	11	B-500/2	400x500
DCMR-1650-4T	1440	5,89	3,4		10500	1,5	B-500/2	400x500
DCMR-1650-6T	970	3,91	2,26		7410	0,75	B-500/2	400x500
DCMR-1856-4T	1455	11,09	6,4		15150	3	B-560/2	450x560
DCMR-1856-6T	965	5,04	2,9		10050	1,1	B-560/2	450x560
DCMR-2063-4T	1460		11,4	6,6	24450	5,5	B-630/2	500x630
DCMR-2063-6T	935	7,48	4,3		16100	1,5	B-630/2	500x630
DCMR-2063-8T	725	5,9	3,39		11600	1,1	B-630/2	500x630
DCMR-2271-4T	1465		21,5	12,4	34610	11	B-710/2	560x710
DCMR-2271-6T	950	12,2	6,8		22750	3	B-710/1	560x710
DCMR-2271-8T	720	7,1	4,08		17360	1,5	B-710/1	560x710
DCMR-2380-4T	1400		41	23,7	48000	22	B-800	560x800
DCMR-2380-6T	900		15,4	8,9	30000	7,5	B-800	560x800
DCMR-2380-8T	700	12,8	7,38		22000	3	B-800	560x800
DCMR-2590-4T	1475		68	39,3	54000	37	B-900/1	630x900
DCMR-2590-6T	970		23	13,3	34000	11	B-900/1	630x900
DCMR-28100-4T	1475		98	56,6	75000	55	B-1000/1	710x1000
DCMR-28100-6T	985		36	20,8	48000	18,5	B-1000/1	710x1000

Adapter from angled outlet to round tubes are available



Air volume flow [m³/h] depending on static pressure [Pa]:

DCMR	0	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
1031-2	5160	4000	3500	2900	2100	1400									
1135-2	7800	7100	6700	6380	5930	5380	4320	2130							
1240-2	11100	9700	9300	8850	8280	7740	7000	5900	4750	3670	2300				
1445-2	16500	15700	15300	14900	14200	13400	12650	11600	10700	9780	8700	7600	5780	3000	
1650-2	18850	17900	17400	16900	16300	15800	14900	14500	13800	12900	11800	10600	9200	7870	6100
28100-4					72000	70900	68700	66400	63700	61000	57800	54000	50500	45000	38500

m³/h

DCMR	0	400	600	800	1000	1200	1400	1500	1800	2000	2200
1240-4	5800	2700									
1445-4	8030	5160	2200								
1650-4	10500	7180	5100								
1856-4	15150	12370	10370	7830							
2063-4	24450	21500	19900	18000	15700	13450	9600	6000			
2271-4	34610	30900	29280	27700	25900	24000	21600	20000	7800		
2380-4	*	48000	45500	43460	40880	37900	34670	32800	27000	21600	15600
2590-6	*	*	32700	28700	22900						
2590-4	*	*	*	*	50600	51400	48300	45800	43000	39600	35300
28100-6	*	*	47000	43800	39700	34000	21900				

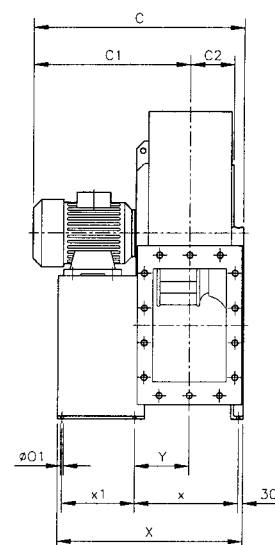
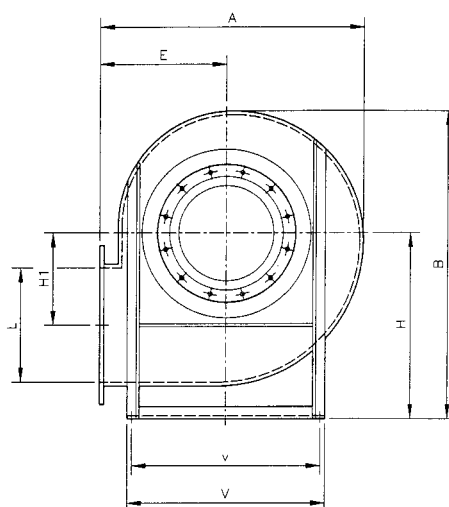
Example:

resistance in duct system / static pressure 150 Pa (Pascal)
wanted air capacity e.g.. 3.500 m³/hr ----->model code 1840-6T-1

Attention please: here * the fan cannot work

Dimensions [mm]:

Model	A	B	C
1031	542	626	567
1135	600	696	583
1240	673	790	728
1445	765	880	810
1650	832	970	961
1856	925	1084	832
2063	1037	1218	973
2271	1173	1375	1126
2380	1330	1650	1165
2590	1490	1780	1390
28100	1670	1980	1470



ask for accessories:

