



single inlet, sheet stel frame



stabile Motorhalterung

- Cast aluminium impellers (242,248,254,260,640,645,650) and rolled sheet steel (remaining models) with high performance backward impeller.
- Aerodynamically tested to achieve maximum output with minimum sound level.

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)
- Housing with anticorrosive finish
- Max. air flow temperature: 120° C

On demand

- Special windings for different voltages
- max temperatur air up to 250°C
- Category 2 G or D ATEX certification CE mark
Ex II 2 G/D Eex E or D.
- Inlet and round outlet flanges, inlet protection grid
- Silencer, shaft sealing, speed control
- damper / throttle
- Flexible flanges
- housing and wheel made from stainless steel

Technical details

Model	speed	Luft- leistung	Stromstärke			Motor	Schall- pegel	inlet- durchmesser
	rpm		230V A	400V A	690V A			
DCAS-242-033	2830	450	1,39	8		0,25	73	B-100-E
DCAS-242-05	2740	650	1,73	1		0,37	73	B-100-E
DCAS-248-075	2800	420	2,36	1,36		0,55	74	B-112
DCAS-248-1	2855	500	3	1,73		0,75	75	B-112
DCAS-248-1,5	2845	990	4,16	2,4		1,1	76	B-112
DCAS-254-1,5	2845	600	4,16	2,4		1,1	78	B-125
DCAS-254-2	2860	800	5,63	3,25		1,5	79	B-125
DCAS-254-3	2880	1300	7,97	4,6		2,2	80	B-125
DCAS-260-2	2860	500	5,63	3,25		1,5	83	B-150
DCAS-260-3	2880	900	7,97	4,6		2,2	84	B-150
DCAS-463-5,5	2900	1150	13,34	7,7		4	82	B-200
DCAS-463-7,5	2855	2000		105	6,1	5,5	83	B-200
DCAS-467-10	2855	2600		13,9	8	7,5	85	B-224
DCAS-467-7,5	2855	1550		105	6,1	5,5	84	B-224
DCAS-571-10	2855	2000		13,9	11,5	7,5	86	B-250/1
DCAS-571-15	2930	3450		20		11	87	B-250/1
DCAS-640-2	2860	2600	5,63	3,25		1,5	81	B-250/1
DCAS-645-3	2880	2000	7,97	4,6		2,2	82	B-250/1
DCAS-645-4	2895	3000	1057	6,1		3	83	B-250/1
DCAS-650-5,5	2900	3500	13,34	7,7		4	84	B-250/1
DCAS-650-7,5	2855	4750		10,5	6,1	5,5	85	B-250/1
DCAS-852-7,5	2855	3500		10,5	6,1	5,5	81	B-280/1
DCAS-852-10	2855	5500		13,9	8	7,5	87	B-280/1
DCAS-856-15	2930	7500		20	11,5	11	85	B-355/3
DCAS-863-15	2930	4000		20	15,3	11	85	B-355/2
DCAS-863-20	2920	7000		26,5	18,5	15	86	B-355/2
DCAS-971-25	2920	5800		32	18,5	18,5	90	B-400/3
DCAS-971-30	2930	8100		39	22,5	22	91	B-400/3
DCAS-971-40	2955	12000		53	306	30	92	B-400/3
DCAS-1250-15	2930	12000		20	11,5	11	84	B-355/4
DCAS-1456-25	2920	18000		32	18,5	18,5	87	B-400/4
DCAS-1663-50	2950	25000		64	37	37	92	B-560/3
DCAS-680-12,5	2825	1320		16,6	9,6	9,2	86	B160/1
DCAS-790-20	2920	2100		26,5	15,3	15	88	B-180
DCAS-980-30	2930	4800		39	22,5	22	87	B-250/5
DCAS-1080-40	2955	5400		53	30,6	30	88	B-250/5
DCAS-990-50	2950	6000		64	37	37	90	B-280/3
DCAS-1090-60	2960	6000		79	45,6	45	91	B-280/3



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

Model	500	1000	1500	2000	2500	3000	3500	3800	4500	5000	5300	6000	6200	7000	7400
DCAS-242-033	*	*	400	320	200										
DCAS-242-05	*	*	540	415	260										
DCAS-248-075	*	*	*	*	50 bis 350 m³/hr - um 3500 Pa										
DCAS-248-1	*	*	*	*	*	50 bis 450 m³/hr - um 3800 Pa									
DCAS-248-1,5	*	990	900	800	720	600	470	300							
DCAS-254-1,5	*	*	*	*	*	*	*	100 bis 500 m³/hr - um 5000 Pa							
DCAS-254-2	*	*	*	*	*	*	*	640	380	100					
DCAS-254-3	*	*	1280	1200	1100	1060	960	900	700	440	100				
DCAS-260-2	*	*	*	*	*	*	*	*	*	100 bis 400 m³/hr - um 6000 Pa					
DCAS-260-3	*	*	*	*	*	*	*	*	*	870	780	400	240		
DCAS-640-2	*	*	2250	1600	780										
DCAS-645-3	*	*	*	*	*	1660	700								
DCAS-645-4	*	*	*	2890	2350	1800	400								
DCAS-650-5,5	*	*	*	*	*	400 m³/hr bis 3000 m³/hr um 4000 Pa									
DCAS-650-7,5	*	*	4500	4300	4000	3680	3200	2900	1550						
DCAS-852-7,5	*	*	*	*	*	*	400 m³/hr bis 3000 m³/hr um 4000 Pa								
DCAS-852-10	*	*	*	*	*	*	4900	4600	3900	3200	2500				
DCAS-856-15	*	7300	6900	6500	6100	5800	5300	5100	4500	3900	3500	1800			
DCAS-863-15	*	*	*	*	*	*	*	*	*	500 m³/hr bis 6000 m³/hr um 7000 Pa					
DCAS-863-20	*	*	*	*	*	*	*	*	*	6200	5300	4000	3000		
DCAS-1250-15	*	*	*	10700	9300	7880	6000	4100							
DCAS-1456-25	*	*	*		16000	14100	12000	10700	7000						
DCAS-1663-50	*	*	*	*	*	*	*	23000	18300	13500	9000				

DCAS	2000	3000	4000	5000	6000	7000	7500	8000	8500	9000	9500	10000	11000	12000	13000	14000	15000
463-5,5	*	*	*	100 bis 1000 m³/hr - um 7200 Pa													
463-7,5	*	*	1880	1680	1450	1120	650										
467-10	*	*	2490	2300	2000	1780	1580	1370	1080								
467-7,5	*	*	*	*	*	200 bis 1400 m³/hr - um 8200 Pa											
571-10	*	*	*	*	*	*	200 bis 1800 m³/hr - um 9200 Pa										
571-15	3380	3200	3100	2900	2680	2400	2200	2000	1800	1600	1300						
971-25	*	*	*	*	700 m³/hr bis 5000 m³/hr um 7800 Pa												
971-30	*	*	*	*	*	7200	6400	5400	4300	2100							
971-40	*	*	*	*	10800	9100	8100	7100	6100	4860	2900						
680-12,5	*	*	*	*	*	*	*	*	500m³/hr bis 1200 m³/hr um 11.000Pa								
790-20	*	*	*	*	*	*	*	*	*	*	1900	1700	1400	870			
980-30	*	*	*	*	*	*	*	*	*	4300	3900	2200					
1080-40	*	*	*	*	*	*	*	*	*	*	5200	4500	3200				
990-50	*	*	*	*	*	*	*	*	*	2400 m³/hr bis 5800 m³/hr um 14.000 Pa							
1090-60	*	*	*	*	*	*	*	*	*	*	2800 bis 5800 m³/hr um 15000 Pa						

Example:

resistance in duct system / static pressure 8000 Pa (Pascal)
wanted air capacity e.g.. 6.400 m³/hr ----->model code 971-30

Attention please: here * the fan cannot work

exact performance curves you can find here: www.dasslerventilatoren.info/dcass.pdf

Dimensions [mm]:

DCAS	width A	height B	depth C	outlet K x L (mm)
242-05	576	662	310	60x95
248-1,5	639	728	340	66x105
254-3	699	788	443	75x115
260-3	782	875	419	85x125
463-7,5	782	875	517	85x125
467-7,5	833	945	530	90x130
571-15	873	995	671	95x145
640-2	639	728	446	125x200
645-4	699	788	491	140x224
650-7,5	782	875	572	160x250
852-10	833	945	603	180x280
856-15	833	945	708	108x280

DCAS	width A	height B	depth C	outlet K x L (mm)
863-20	873	995	728	200x315
971-40	1012	1170	948	224x355
1250-15	850	1040	865	280x400
1456-25	955	1170	900	315x450
1663-50	1010	1190	1035	355x500
680-12,5	925	995	550	71x100
790-20	1100	1180	650	80x112
980-30	1120	1250	725	140x200
1080-40	1120	1250	850	140x200
990-50	1250	1400	900	160x224
1090-60	1250	1400	930	160x224

diagramm see on next page

