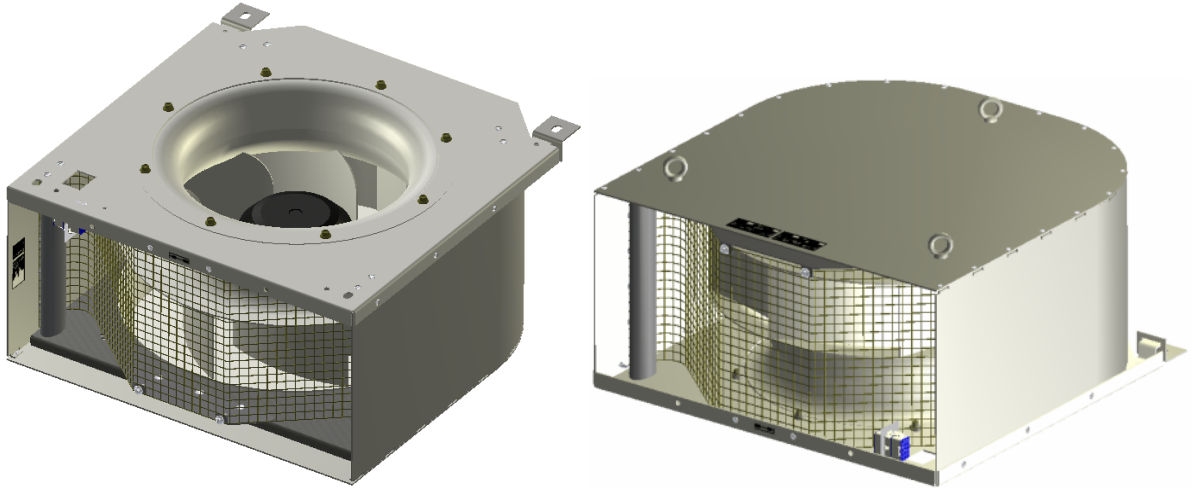


RADIAL FAN



RC-DKHM 500-4-4 AM-STD



Gottlieb-Dunkel-Str.20/21
D-12099 Berlin-Tempelhof

Product: Radial fan RC-DKHM 500-4-4 AM-STD..., single inlet

Item-No.:	RC-355 752	RC-DKHM 500-4-4 AM-STD-52	RAL 7032
	RC-355 753	RC-DKHM 500-4-4 AM-STD-53 with flap	RAL 7032
	RC-355 754	RC-DKHM 500-4-4 AM-STD-54	RAL 7032
	RC-355 755	RC-DKHM 500-4-4 AM-STD-55 with flap	RAL 7032
	RC-362 513	RC-DKHM 500-4-4 AM-STD-13	RAL 7035
	RC-367 751	RC-DKHM 500-4-4 AM-STD-51	RAL 3004
	RC-362 340	RC-DKHM 500-4-4 AM-STD-340 with flap	RAL 7035
	RC-368 740	RC-DKHM 500-4-4 AM-STD-16	Munsell 5Y7/1

All models are supplied with mating connector and transport lugs.

Technical data/

Description:

<i>3~400/690 V (Y/D) in 50/60 Hz operation</i>	Nominal voltage	3~400/690 V (Y/D)
	Power frequency	50 / 60 Hz
	Power consumption	1.35 / 1.85 kW
	Max. mains power	3.3 / 1.9 // 3.5 / 2.0 A
	Volume flow	5000 m ³ /h at 410 Pa
	Rated speed	1360 / 1530 min ⁻¹
	Motor protection type	IP 54; insulation class F
	Operating temperature	-25...+75 / 70 °C
	Weight	45 kg
<i>3~480 V (D) in 60 Hz operation</i>	Nominal voltage	3~480 V (D)
	Power frequency	60 Hz
	Power consumption	2.0 kW
	Max. current consumption	3.8 A
	Volume flow	6000 m ³ /h at 580 Pa
	Rated speed	1580 min ⁻¹
	Motor protection type	IP 54; insulation class F
	Operating temperature	-25...+65 °C
	Weight	45 kg
	Expected service life	>40,000 hours of operation
	Certification	UL
	Direction of rotation	clockwise (viewed from rotor)
	Direction of movement	inlet on rotor side
	Mounting position	rotor axis horizontal or rotor axis vertical, air intake from the bottom
	Motor construction type	three-phase current external rotor motor, maintenance-free with integrated thermal contacts
Motor designation	DD 137-75-4	
Test voltage	2.5 kV	
Casing	galvanized sheet steel, colour- coated,	
Impeller wheel	backward curved blading, aluminium sheet (ALMg3)	

Connection diagrams: without flap valve, wired up on 15-pole connector

3	2	1	01;02	U1 brown
6	5	4	03	W2 orange
9	8	7	04;05	V1 blue
12	11	10	06	U2 red
15	14	13	07;08	W1 black
			09;12	V2 grey
			10;11	free
			13;14	TK white
			15	PE yellow/green

with flap valve, wired up on 15-pole connector

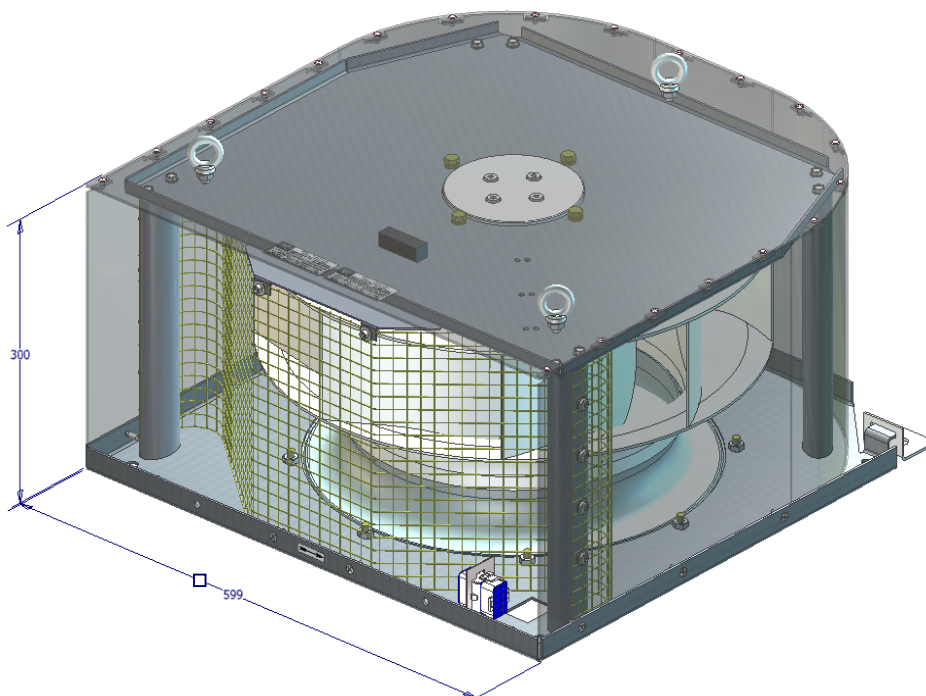
3	2	1	01;02	U1 brown
6	5	4	03	W2 orange
9	8	7	04;05	V1 blue
12	11	10	06	U2 red
15	14	13	07;08	W1 black
			09;12	V2 grey
			10;11	NC contact flap
			13;14	TK white
			15	PE yellow/green

Particularities:

The external rotor motor is equipped with thermal contacts which are embedded in the windings. These temperature-dependent circuit elements are monitoring the winding temperature of the motor. If properly connected, the fan is thus protected from overload, mains phase failure, lock-breaking of the motor and too high ambient operating temperatures.

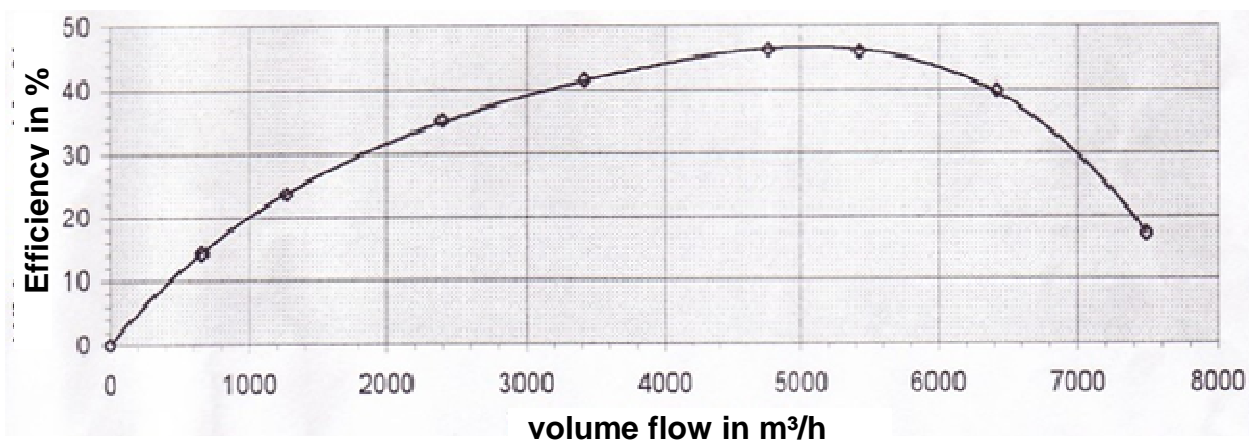
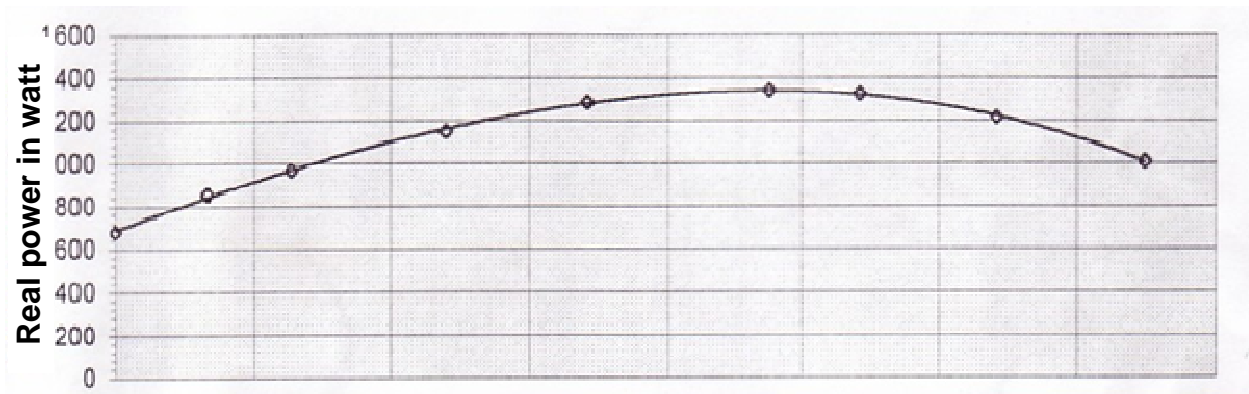
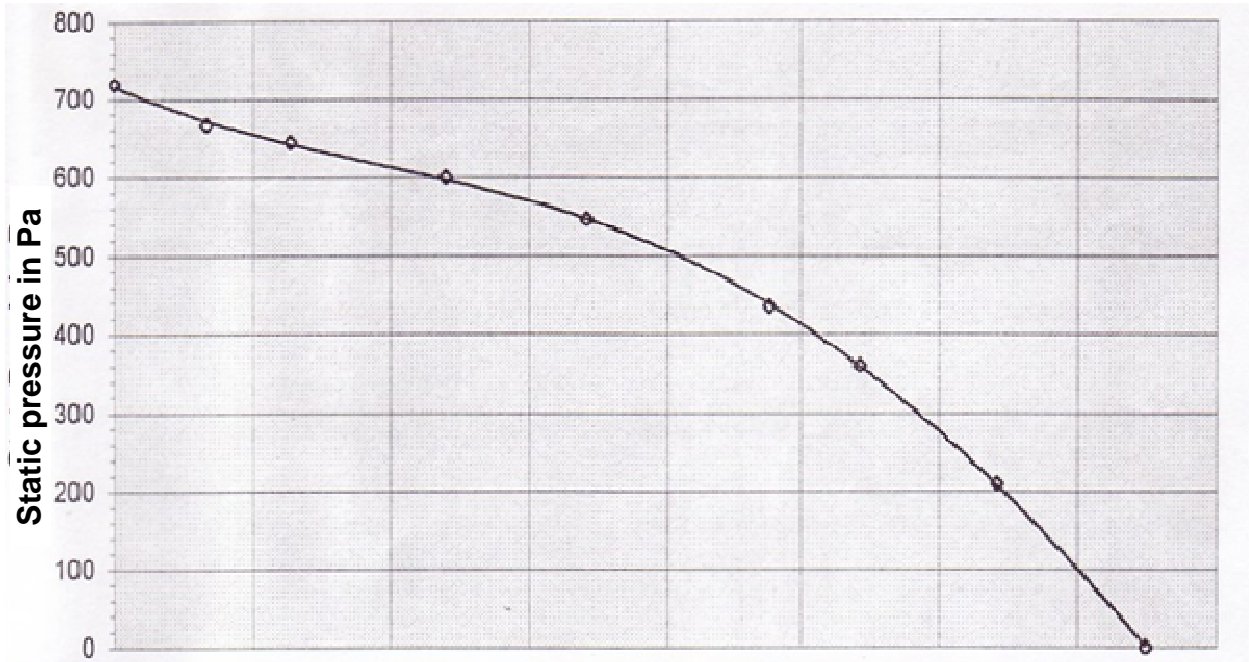
Maintenance-free operation is ensured by means of ball-bearings with long-term lubrication which are closed on both sides.

Dimensional drawing: without flap valve



Performance curve:

◇ 400 V / 50 Hz



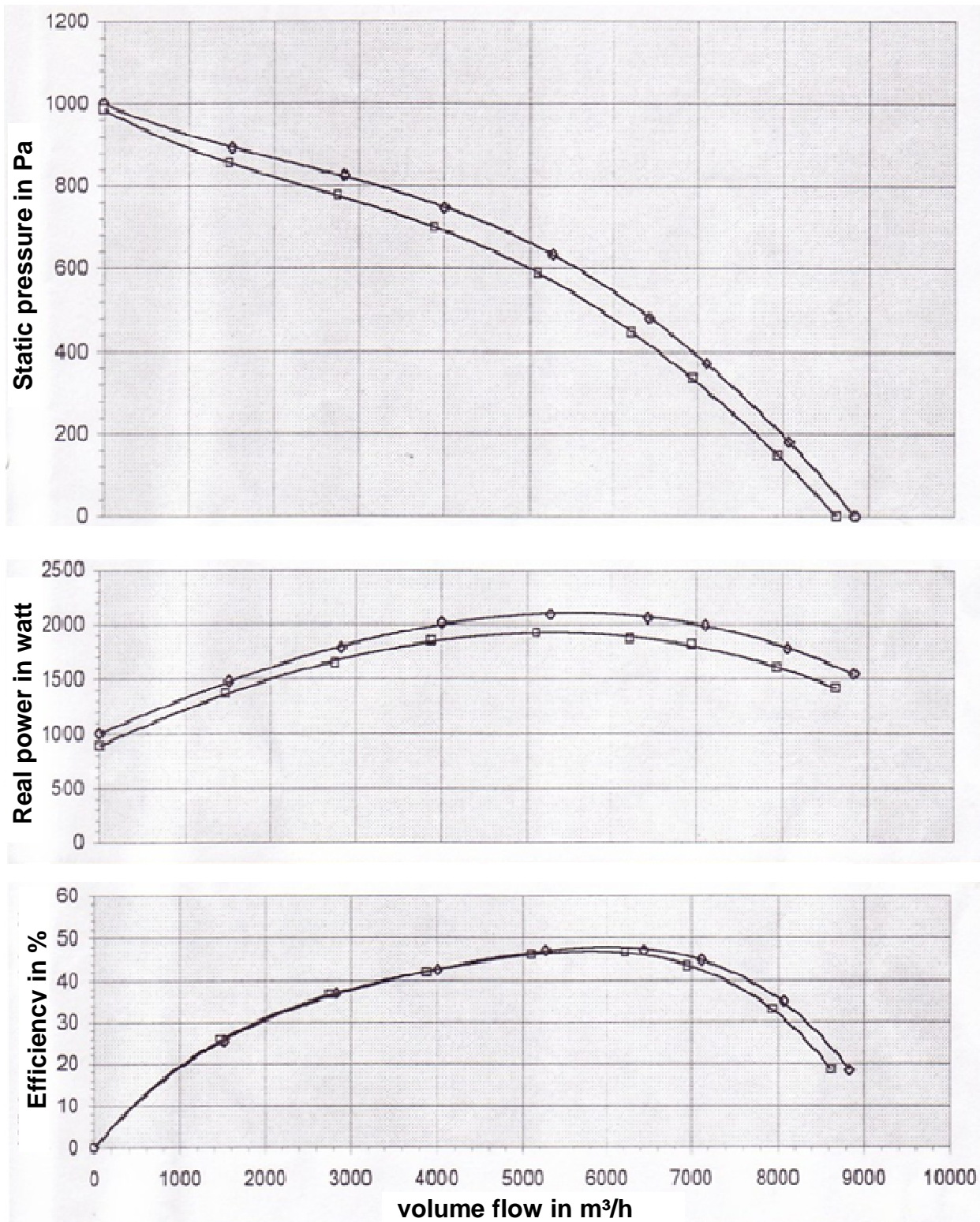
Operating altitude with position above sea level

Compression reduction per 100 m x 0.01

E.g. compression according to performance curve 400 Pa ± 0 above sea level = 320 Pa 2000 m above sea level

Performance curve:

- ◇ 460 V / 60 Hz
- 400 V / 60 Hz



Operating altitude with position above sea level

Compression reduction per 100 m x 0.01

E.g. compression according to performance curve 400 Pa ± 0 above sea level = 320 Pa 2000 m above sea level

Specific drawing: with flap valve

