

D-series

for three phase alternating current, 6-6 pole

RM45D-SD



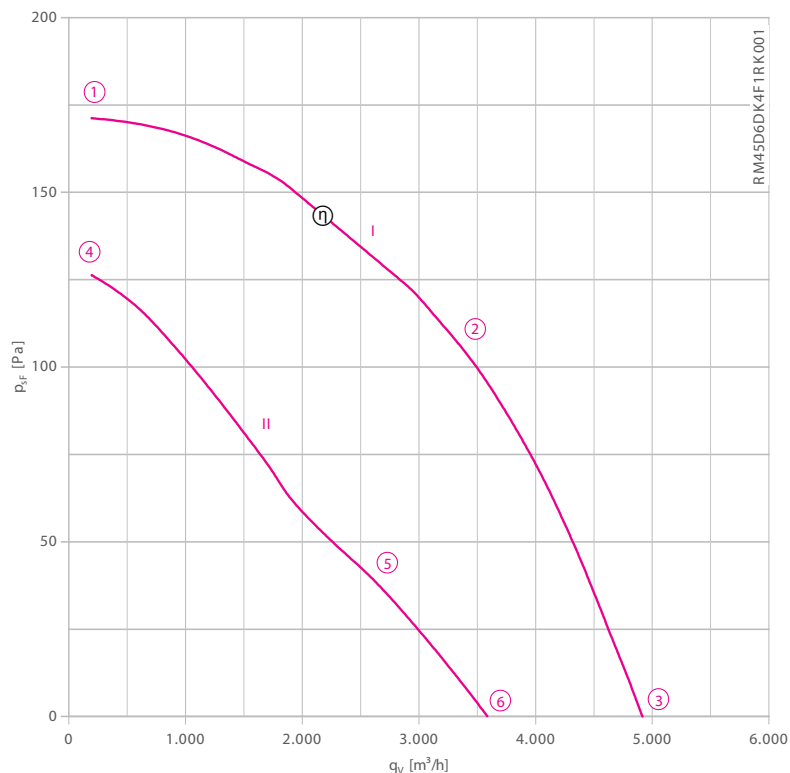
Description

Motor technology: AC
Rated voltage U_N : 3~ 400 V (Δ/Y) ± 10 %*
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 0.31/0.20 kW*
Rated current I_N : 0.72/0.41 A*
Rated speed n_N : 890/ 640 min⁻¹*
Starting current I_A : 1.80 A / 0.55 A
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: - 5 °C
Protection class: IP54
Motor protection: Thermal contact
Impeller : High Performance Composite Material, uncoated, black
Motor: 1 coat paint, pebble grey
Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 33.5 %
Efficiency: $N_{actual} = 50.0 / N_{target} = 50$ **
* Rated data
**ErP 2015

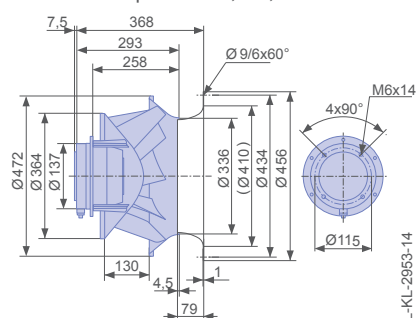
Characteristic curve



- Inlet ring 00275572 Page 264
- Connection diagram 1360-108XA SW Page 367
- System components Page 262

Dimensions [mm]

Free running motorised impeller RM
in installation position H, Vu, Vo



Performance data

Type	Connection	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
			U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WA5} [dB]
RM45D-SDK.4F.1R	Δ	I	400	①	0.56	180	940	
			400*	②	0.72*	310*	880*	65
			400	③	0.67	270	900	71
	Y	II	400	④	0.27	125	820	
			400*	⑤	0.38*	180*	610*	54
			400	⑥	0.36	170	670	63

*rated data

Fan ordering information

Design

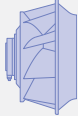
RM

Installation position

H/Vu/Vo

Electrical connection

Supply cable lateral
65cm



Type

RM45D-SDK.4F.1R

Article no.

112617

Weight [kg]

9.00

* Inlet ring not included

Control technology

Frequency inverter
Fcontrol 3~



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Motor protection units
3~



➤ Page 344

Transformer-based
controllers 3~



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Electronic voltage
controllers 3~



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