

D-series

for three phase alternating current, 6 pole

RM45D-6D



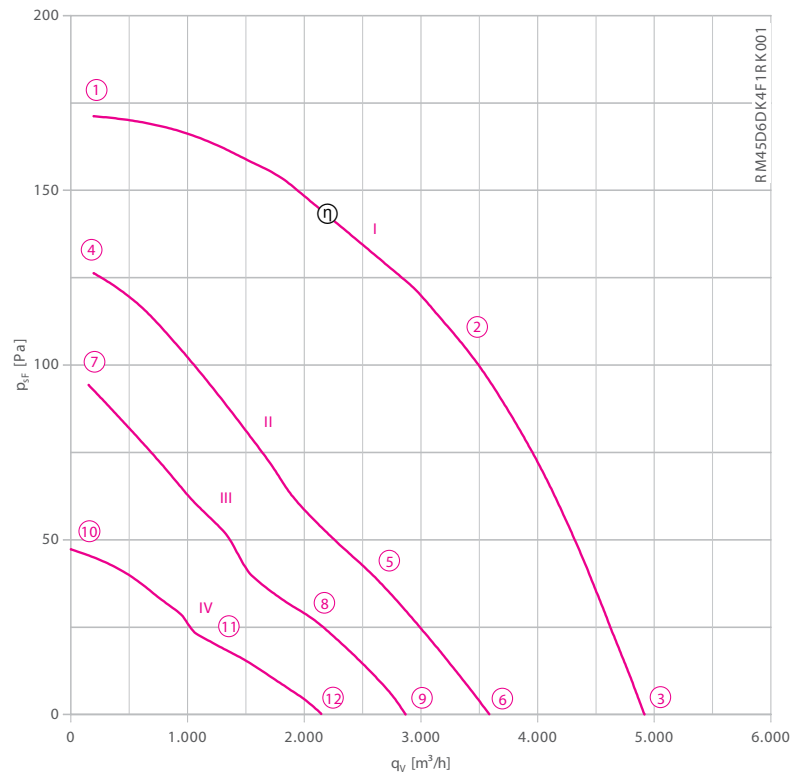
Description

Motor technology: AC
Rated voltage U_N : 3~ 230/400 V (Δ/Y) $\pm 10\%$ *
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 0.31 kW*
Rated current I_N : 1.20/0.70 A*
Rated speed n_N : 890 min⁻¹*
Starting current I_A : 3.20 A / 1.80 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

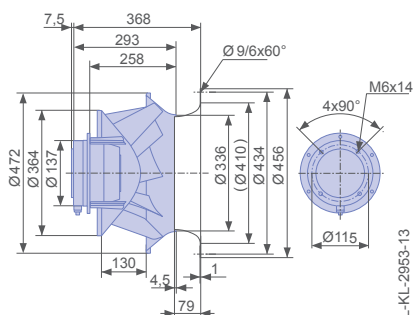
Characteristic curve



- Inlet ring 00275572 Page 264
- Connection diagram 1360-106XA SW Page 367
- System components Page 262

Dimensions [mm]

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

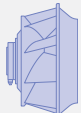


Performance data

Type	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-6DK.4F.1R	I	400	①	0.56	180	940	
		400*	②	0.72*	310*	880*	65
		400	③	0.67	280	900	71
	II	230	④	0.46	130	820	
		230	⑤	0.66	175	610	54
		230	⑥	0.62	170	670	63
	III	190	⑦	0.47	105	720	
		190	⑧	0.58	125	490	51
		190	⑨	0.57	120	550	58
	IV	145	⑩	0.43	71	540	
		145	⑪	0.47	74	390	46
		145	⑫	0.46	74	410	41

*rated data

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 65cm
	
Type	RM45D-6DK.4F.1R
Article no.	112616
Weight [kg]	9.00
* Inlet ring not included	

Control technology

Frequency inverter Fcontrol 3~  ➤ Page 302	Motor protection units 3~  ➤ Page 344	Transformer-based controllers 3~  ➤ Page 334	Electronic voltage controllers 3~  ➤ Page 324
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