

D-series

for single phase alternating current, 6 pole

RM45D-6E



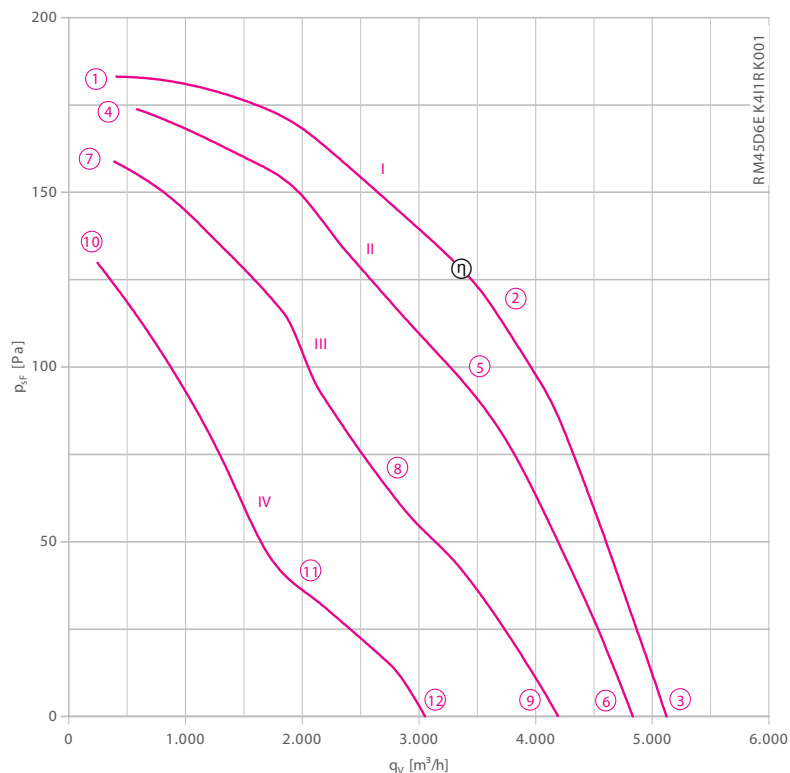
Description

Motor technology: AC
Rated voltage U_N : 1~ 230 V $\pm$ 10 %*
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 0.40 kW*
Rated current I_N : 2.10 A*
Rated speed n_N : 940 min⁻¹*
Service capacitor C_{400V} : 8.0 μ F
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-Daten

Efficiency η_{statA} : 33.7 %
Efficiency: $N_{actual} = 50.8 / N_{target} = 50$ **
Frequency inverter required
* Rated data
**ErP 2015

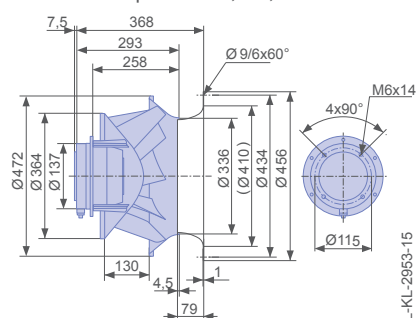
Characteristic curve



- Inlet ring 00275572 Page 264
- Connection diagram 1360-104XA SW Page 367
- System components Page 262

Dimensions [mm]

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

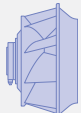


Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P _i [W]	n [min ⁻¹]	L _{WAS} [dB]
RM45D-6EK.4I.1R	I	230	①	1.50	250	970	
		230*	②	1.85*	370*	930*	67
		230	③	1.75	330	940	73
	II	170	④	1.15	175	940	
		170	⑤	1.90	300	850	65
		170	⑥	1.65	260	890	71
	III	135	⑦	1.20	150	900	
		135	⑧	2.10	250	710	60
		135	⑨	1.85	230	780	68
	IV	110	⑩	1.30	135	830	
		110	⑪	2.00	190	520	52
		110	⑫	1.90	180	590	61

*rated data

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 65cm
	
Type	RM45D-6EK.4I.1R
Article no.	112632
Weight [kg]	11.00
* Inlet ring not included	

Control technology

Frequency inverter Fcontrol 1~  ➤ Page 296	Motor protection units 1~  ➤ Page 344	Transformer-based controllers 1~  ➤ Page 334	Electronic voltage controllers 1~  ➤ Page 310
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