

D-series

for single phase alternating current, 4 pole

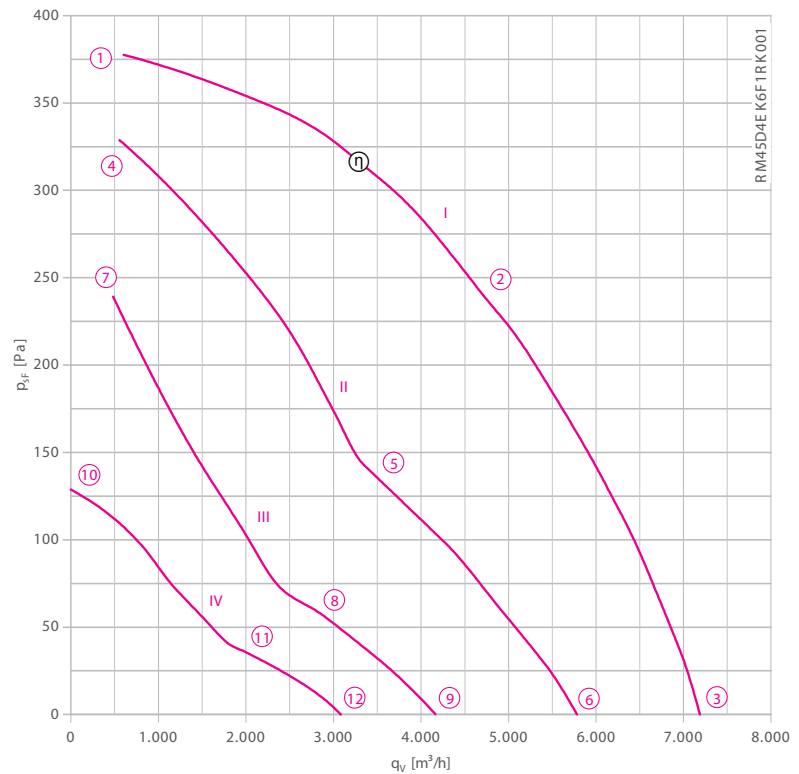
RM45D-4E



Description

Motor technology: AC
Rated voltage U_N : 1~ 230 V $\pm$ 10 %*
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 0.96 kW*
Rated current I_N : 4.30 A*
Rated speed n_N : 1330 min⁻¹*
Starting current I_A : 9.00 A
Service capacitor C_{400V} : 16.0 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-data
Efficiency η_{statA} : 38.4 %
Efficiency: $N_{actual} = 50.0 / N_{target} = 50$ **
* Rated data
**ErP 2015

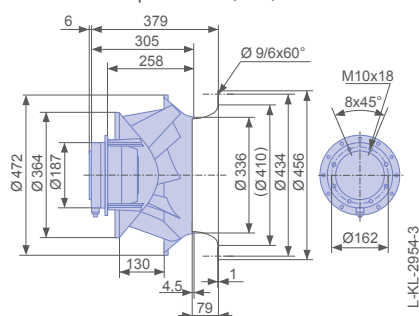
Characteristic curve



- 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

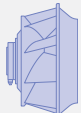


Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WA5} [dB]
RM45D-4EK.6F.1R	I	230	①	2.70	530	1410	
		230*	②	4.40*	910*	1260*	75
		230	③	3.90	790	1320	80
	II	170	④	2.60	420	1310	
		170	⑤	4.50	670	940	67
		170	⑥	4.10	620	1070	76
	III	135	⑦	2.90	350	1140	
		135	⑧	3.90	440	680	60
		135	⑨	3.80	440	780	68
	IV	110	⑩	2.90	270	860	
		110	⑪	3.20	290	510	54
		110	⑫	3.20	290	590	62

*rated data

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 85cm
	
Type	RM45D-4EK.6F.1R
Article no.	112615
Weight [kg]	15.00
* 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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