

D-series

for three phase alternating current, 4 pole

RM45D-4D



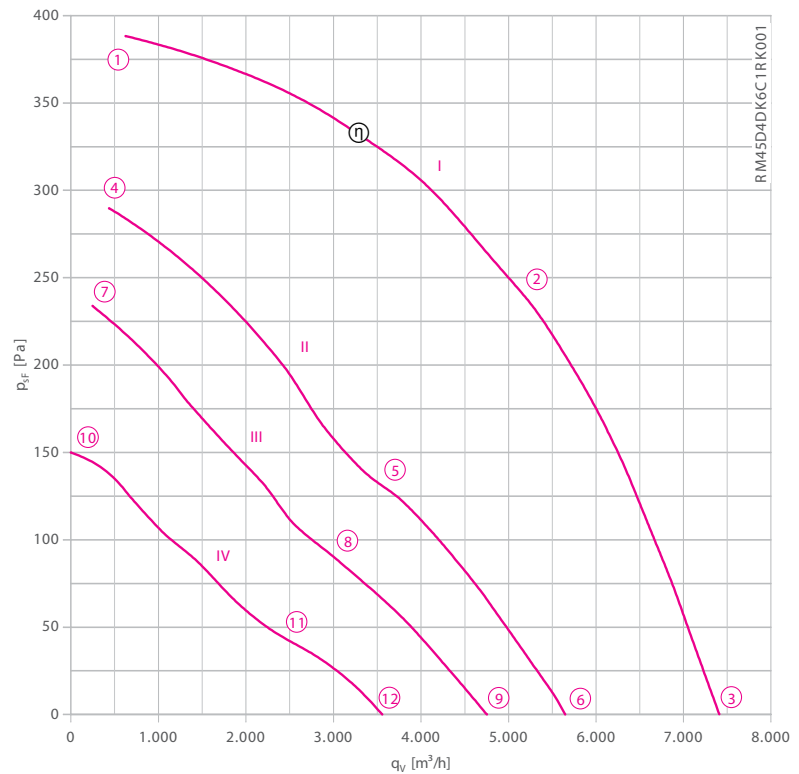
Description

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 : 0.89 kW*
Rated current I_N : 2.80/1.65 A*
Rated speed n_N : 1330 min⁻¹*
Starting current I_A : 9.50 A / 5.50 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-Daten

Efficiency η_{statA} : 40.7 %
Efficiency: $N_{actual} = 52.4 / N_{target} = 50$ **
* Rated data
**ErP 2015

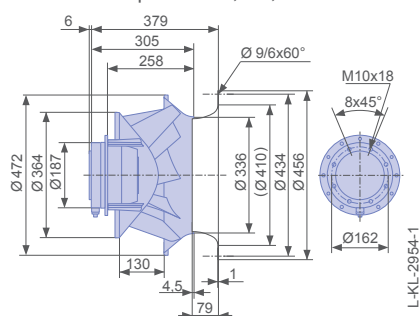
Characteristic curve



- 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

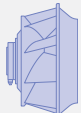


Performance data

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-4DK.6C.1R	I	400	①	1.15	480	1410	
		400*	②	1.70*	910*	1300*	75
		400	③	1.50	770	1320	81
	II	230	④	1.10	370	1220	
		230	⑤	1.75	580	950	70
		230	⑥	1.60	540	1030	75
	III	190	⑦	1.15	320	1100	
		190	⑧	1.60	430	800	66
		190	⑨	1.55	410	870	71
	IV	145	⑩	1.15	240	890	
		145	⑪	1.35	270	610	60
		145	⑫	1.35	260	670	65

*rated data

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 85cm
	
Type	RM45D-4DK.6C.1R
Article no.	112613
Weight [kg]	13.00
* 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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