

D-series

for three phase alternating current, 4-4 pole

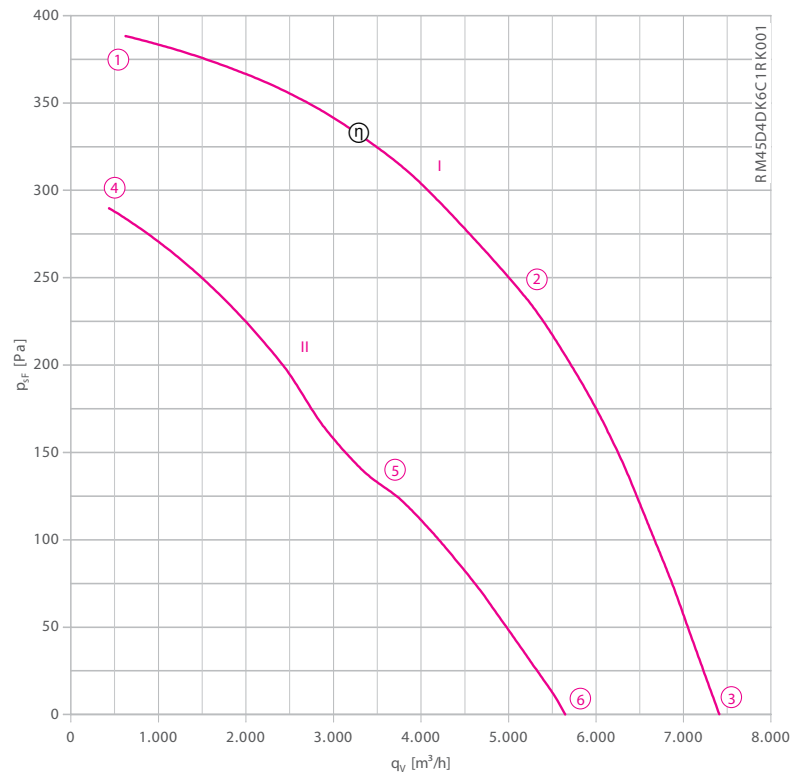
RM45D-VD



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 : 0,89/0,59 kW*
Rated current I_N : 1.65/0.96 A*
Rated speed n_N : 1330/1040 min⁻¹*
Starting current I_A : 5.50 A / 1.70 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} : 40.7 %
Efficiency: $N_{actual} = 52.4 / N_{target} = 50$ **
* Rated data
**ErP 2015

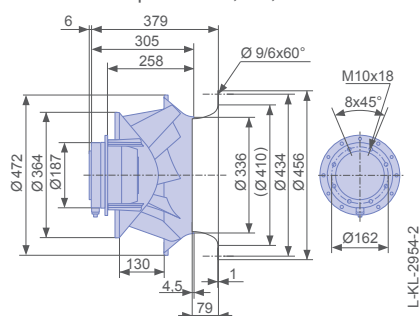
Characteristic curve



- 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

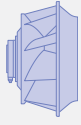


Performance data

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-VDK.6C.1R	Δ	I	400	①	1.15	480	1410	
			400*	②	1.70*	910*	1300*	75
			400	③	1.50	770	1340	81
	Y	II	400	④	0.64	370	1220	
			400*	⑤	1.00*	580*	950*	70
			400	⑥	0.92	540	1030	75

*rated data

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 85cm
	
Type	RM45D-VDK.6C.1R
Article no.	112614
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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