

D-series

for three phase alternating current, 6-6 pole

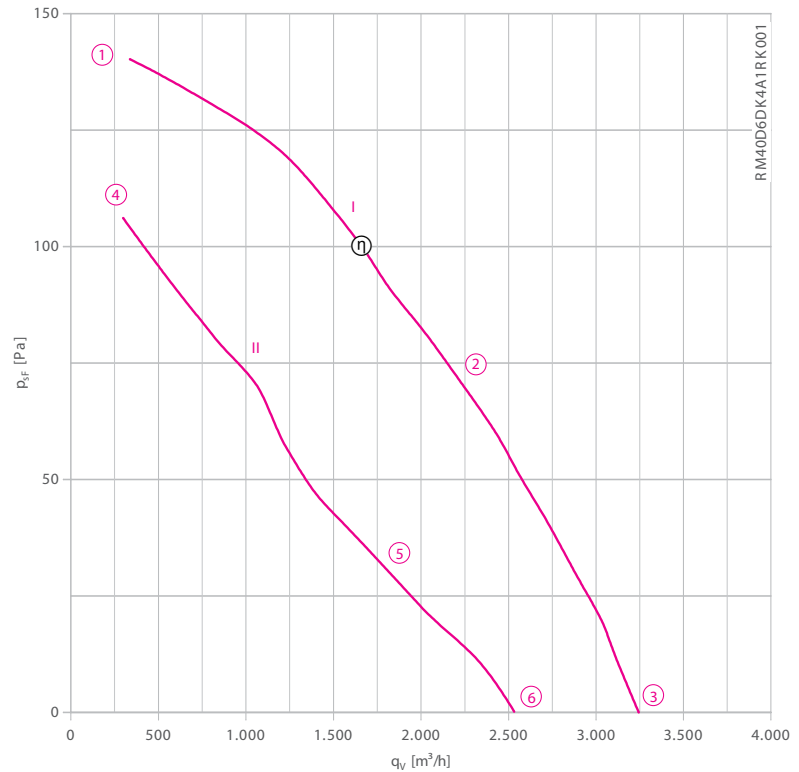
RM40D-SD



Description

Motor technology: AC
Rated voltage U_N : 3~ 400 V (Δ/Y) $\pm 10\%$ *
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 0.18/0.11 kW*
Rated current I_N : 0.40/0.21 A*
Rated speed n_N : 890/ 680 min⁻¹*
Starting current I_A : 1.00 A / 0.30 A
Dynamic pressure: $p_{d2} = 2.8 \cdot 10^{-6} \cdot q_v^2$ [Pa]
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} : 29.0 %
Efficiency: $N_{actual} = 50.2 / N_{target} = 50^{**}$
Frequency inverter required
* Rated data
**ErP 2015

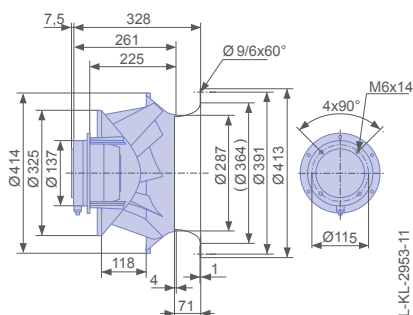
Characteristic curve



- Inlet ring 00275571 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

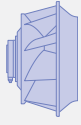


Performance data

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]
RM40D-SDK.4A.1R	Δ	I	400	①	0.35	120	940	
			400*	②	0.40*	180*	890*	63
			400	③	0.38	155	910	66
	Y	II	400	④	0.16	79	820	
			400*	⑤	0.20*	105*	680*	57
			400	⑥	0.19	100	710	60

*rated data

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 65cm
	
Type	RM40D-SDK.4A.1R
Article no.	112455
Weight [kg]	5.50
* 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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