

D-series

for three phase alternating current, 6 pole

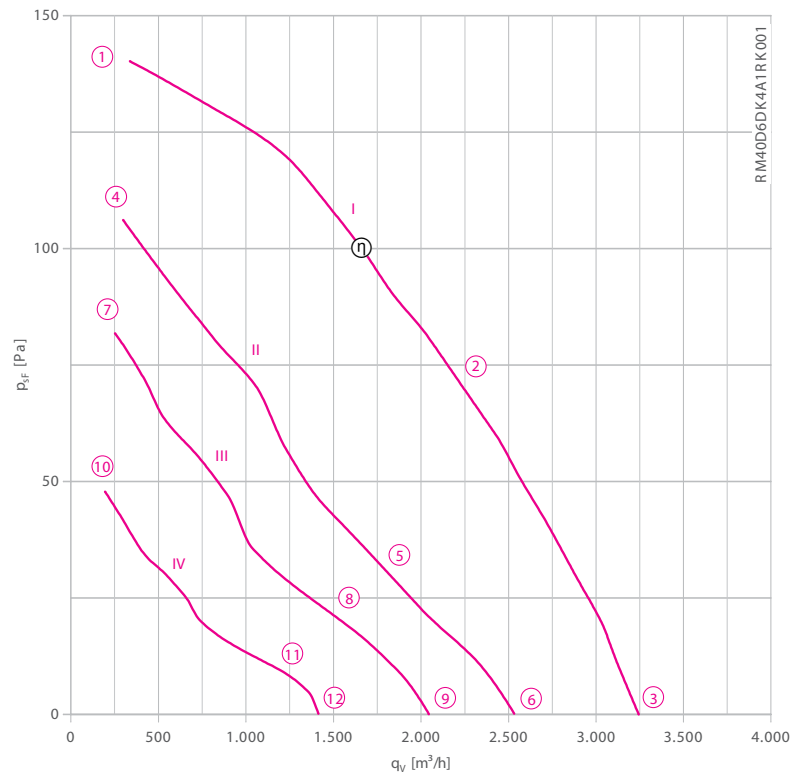
RM40D-6D



Description

Motor technology: AC
Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 0.18 kW*
Rated current I_N : 0.67/0.39 A*
Rated speed n_N : 870 min⁻¹*
Starting current I_A : 1.70 A / 1.00 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: $N_{actual} = 48.1 / N_{target} = 50$ **
Frequency inverter required
* Rated data
**ErP 2015

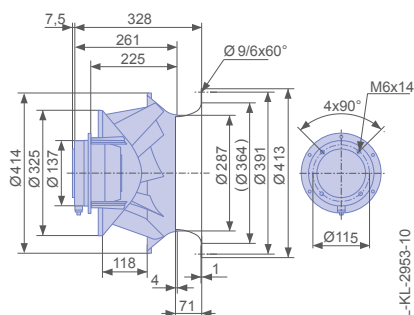
Characteristic curve



- Inlet ring 00275571 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

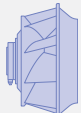


Performance data

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]
RM40D-6DK.4A.1R	I	400	①	0.35	120	940	
		400*	②	0.40*	180*	890*	63
		400	③	0.38	155	910	66
	II	230	④	0.27	79	820	
		230	⑤	0.36	110	650	57
		230	⑥	0.33	100	710	60
	III	190	⑦	0.27	67	720	
		190	⑧	0.34	83	530	52
		190	⑨	0.32	79	580	56
	IV	145	⑩	0.25	47	550	
		145	⑪	0.28	50	380	44
		145	⑫	0.27	50	420	49

*rated data

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 65cm
	
Type	RM40D-6DK.4A.1R
Article no.	112644
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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