

D-series

for three phase alternating current, 4-4 pole

RM40D-VD



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 : **0.52/0.35 kW***

Rated current I_N : **1.10/0.63 A***

Rated speed n_N : **1330/1020 min⁻¹***

Starting current I_A : 3.40 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

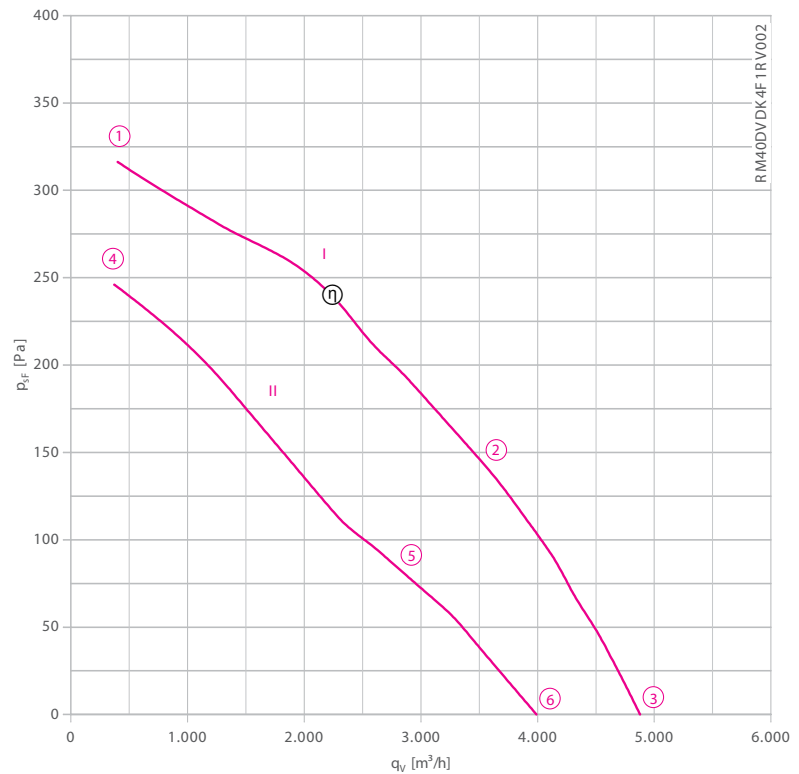
Efficiency η_{statA} : 37.1 %

Efficiency: $N_{\text{actual}} = 51.6 / N_{\text{target}} = 50^{**}$

* Rated data

**ErP 2015

Characteristic curve

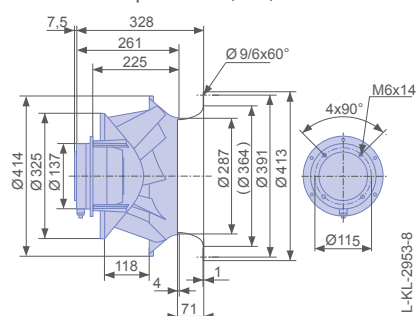


Measured with inlet ring, without guard grille according to ISO 5801

- 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

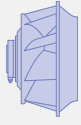


Performance data

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-VDK.4F.1R	Δ	I	400	①	0.85	280	1410	
			400*	②	1.05*	460*	1340*	74
			400	③	0.97	390	1370	78
	Y	II	400	④	0.40	210	1250	
			400*	⑤	0.56*	300*	1040*	69
			400	⑥	0.51	270	1120	72

*rated data

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 65cm
	
Type	RM40D-VDK.4F.1R
Article no.	112452
Weight [kg]	7.90
* 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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