D-series

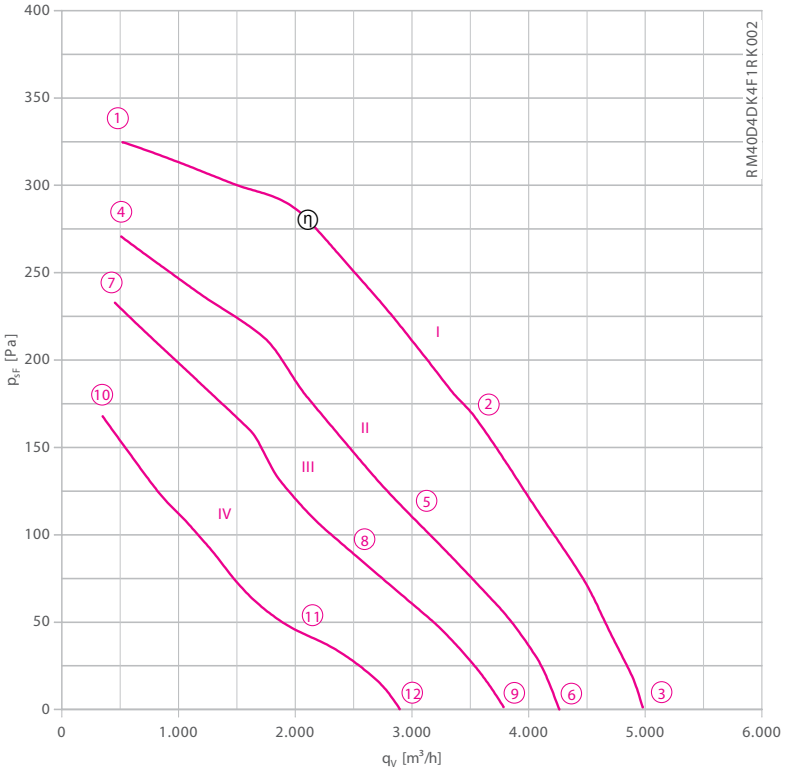
for three phase alternating current, 4 pole

RM40D-4D

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: **0.57 kW***
Rated current I_N: **1.80/1.05 A***
Rated speed n_N: **1370 min^{-1}***
Starting current I_A: 8.00 A / 4.60 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}: 39.7 %
Efficiency: N_{actual} = 54.1 / N_{target} = 50**
* Rated data
**ErP 2015

Characteristic curve

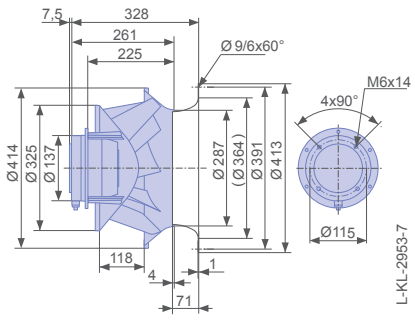


Measured with inlet ring, without guard grille according to ISO 5801

Inlet ring	00275571	Page 264
Connection diagram	1360-106XA SW	Page 367
System components		Page 262

Dimensions [mm]

Free running motorised impeller RM
in installation position H, Vu, Vo



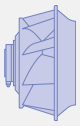
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min⁻¹]	Suction side sound power level L_{WA5} [dB]
RM40D-4DK.4F.1R	I	400	①	0.75	290	1440	
		400*	②	**0.95***	**490***	**1380***	75
		400	③	0.86	410	1410	79
	II	230	④	0.68	240	1310	
		230	⑤	1.05	380	1150	71
		230	⑥	0.93	330	1220	75
	III	180	⑦	0.74	220	1230	
		180	⑧	1.10	320	1000	66
		180	⑨	0.99	290	1080	72
	IV	140	⑩	0.80	175	1040	
		140	⑪	1.05	220	760	58
		140	⑫	0.98	210	840	63

*rated data

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 65cm



Type	**RM40D-4DK.4F.1R**
Article no.	**112451**
Weight [kg]	7.90

* Inlet ring not included

Control technology

Frequency inverter Fcontrol 3~	Motor protection units 3~	Transformer-based controllers 3~	Electronic voltage controllers 3~
			
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