

D-series

for three phase alternating current, 4 pole

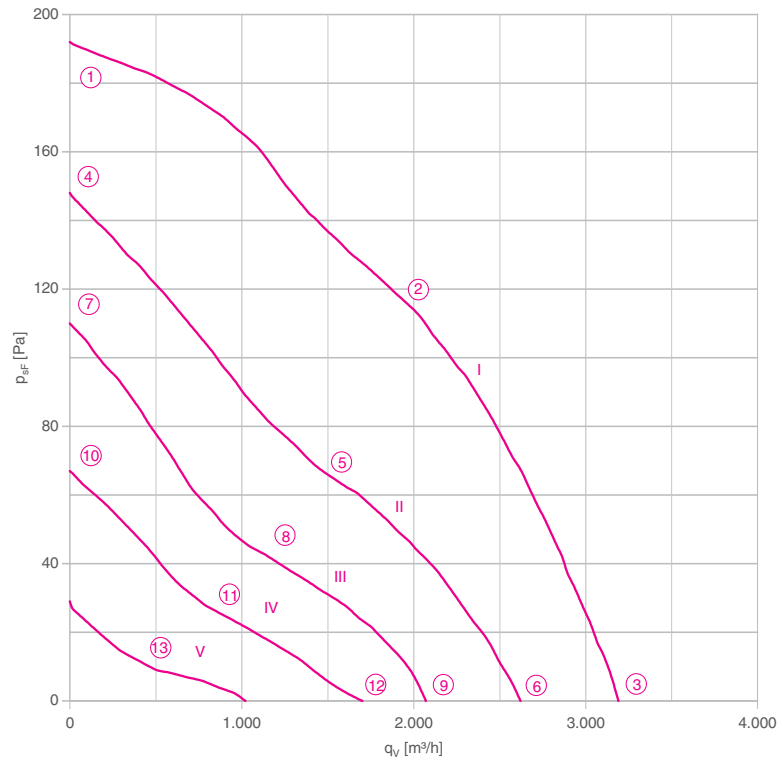
RM35D-4D



Description

Motor technology: AC
Rated voltage U_N : 3~ 230/400 V (Δ/Y) $\pm 10\%$ *
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 0.25 kW*
Rated current I_N : 0.80/0.46 A*
Rated speed n_N : 1330 min⁻¹*
Starting current I_A : 2.40 A / 1.40 A
Dynamic pressure: $p_{d2} = 4.2 \cdot 10^{-6} \cdot q_v^2$ [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
* Rated data

Characteristic curve

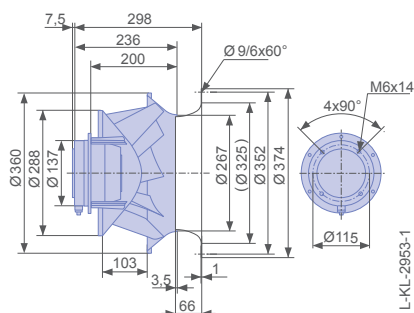


Measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00275570 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

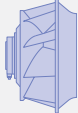


Performance data

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]
RM35D-4DK.4A.1R	I	400	①	0.36	165	1400	
		400*	②	0.46*	250*	1330*	71
		400	③	0.42	220	1350	75
	II	230	④	0.37	130	1210	
		230	⑤	0.51	185	1020	65
		230	⑥	0.45	165	1110	70
	III	180	⑦	0.39	110	1030	
		180	⑧	0.47	135	810	59
		180	⑨	0.44	125	900	65
	IV	140	⑩	0.37	82	810	
		140	⑪	0.41	92	620	52
		140	⑫	0.40	87	690	58
	V	90	⑬	0.29	41	390	

*rated data

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 65cm
	
Type	RM35D-4DK.4A.1R
Article no.	106010
Weight [kg]	5.10
* 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
--	---	--	---