

D-series

for three phase alternating current, 6 pole

RM35D-6D



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 : 0.10 kW*

Rated current I_N : **0.40/0.23 A***

Rated speed n_N : **890 min⁻¹***

Starting current I_A : 0.85 A / 0.48 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

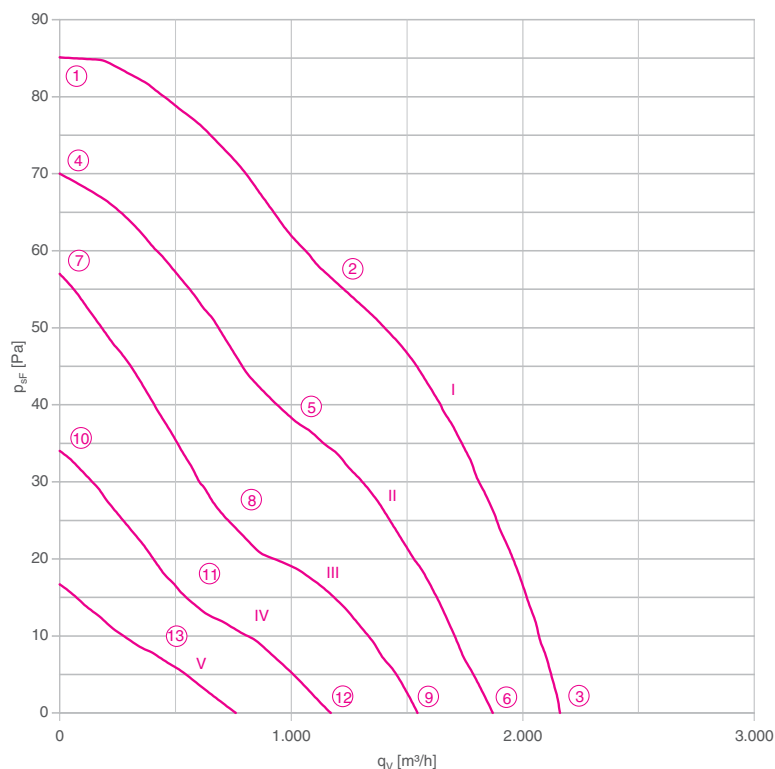
Conformity: CE

ErP-data

Not subject to ErP regulations ($P_1 < 125 \text{ W}$)

* Rated data

Characteristic curve

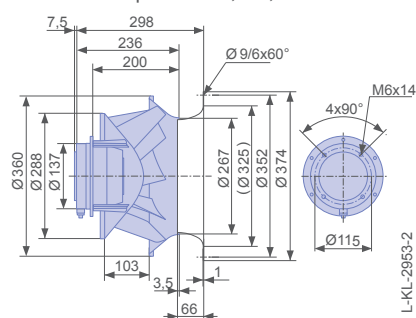


Measured with inlet ring, without guard grille according to ISO 5801

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| ➤ 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-6DK.4A.1R	I	400	①	0.21	65	940	
		400*	②	0.23*	95*	890*	61
		400	③	0.22	81	920	65
	II	230	④	0.16	45	850	
		230	⑤	0.21	65	740	56
		230	⑥	0.19	59	790	61
	III	180	⑦	0.16	39	750	
		180	⑧	0.20	48	590	51
		180	⑨	0.19	47	650	56
	IV	140	⑩	0.15	29	590	
		140	⑪	0.17	33	440	48
		140	⑫	0.16	32	480	53
	V	90	⑬	0.13	13	280	

*rated data

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 65cm
	
Type	RM35D-6DK.4A.1R
Article no.	106015
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
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