

D-series

for single phase alternating current, 4 pole

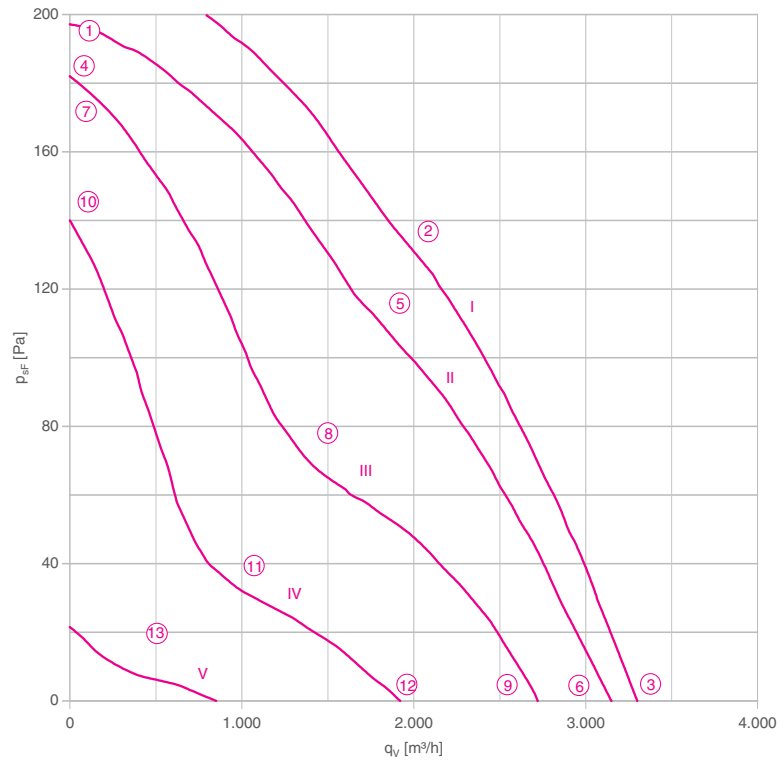
RM35D-4E



Description

Motor technology: AC
Rated voltage U_N : 1~ 230 V $\pm$ 10 %*
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 0.31 kW*
Rated current I_N : 1.35 A*
Rated speed n_N : 1390 min⁻¹*
Starting current I_A : 3.40 A
Service capacitor C_{400V} : 6.0 μ F
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

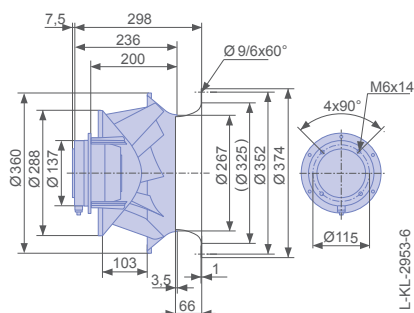
Characteristic curve



- Inlet ring 00275570 Page 264
- Connection diagram 1360-104XA SW Page 367
- System components Page 262

Dimensions [mm]

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

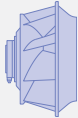


Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P _i [W]	n [min ⁻¹]	L _{WAS} [dB]
RM35D-4EK.4C.1R	I	230	①	1.00	230	1440	
		230*	②	1.35*	310*	1390*	73
		230	③	1.20	270	1410	77
	II	160	④	0.98	170	1390	
		160	⑤	1.50	250	1270	70
		160	⑥	1.30	220	1330	75
	III	130	⑦	1.10	155	1330	
		130	⑧	1.70	210	1010	64
		130	⑨	1.45	190	1170	72
	IV	105	⑩	1.25	130	1110	
		105	⑪	1.55	150	700	55
		105	⑫	1.50	145	830	63

*rated data

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 65cm
	
Type	RM35D-4EK.4C.1R
Article no.	106012
Weight [kg]	6.10
* Inlet ring not included	

Control technology

Frequency inverter Fcontrol 1~  ➤ Page 296	Motor protection units 1~  ➤ Page 344	Transformer-based controllers 1~  ➤ Page 334	Electronic voltage controllers 1~  ➤ Page 310
--	---	--	--