

D-series

for single phase alternating current, 6 pole

RM56D-6E



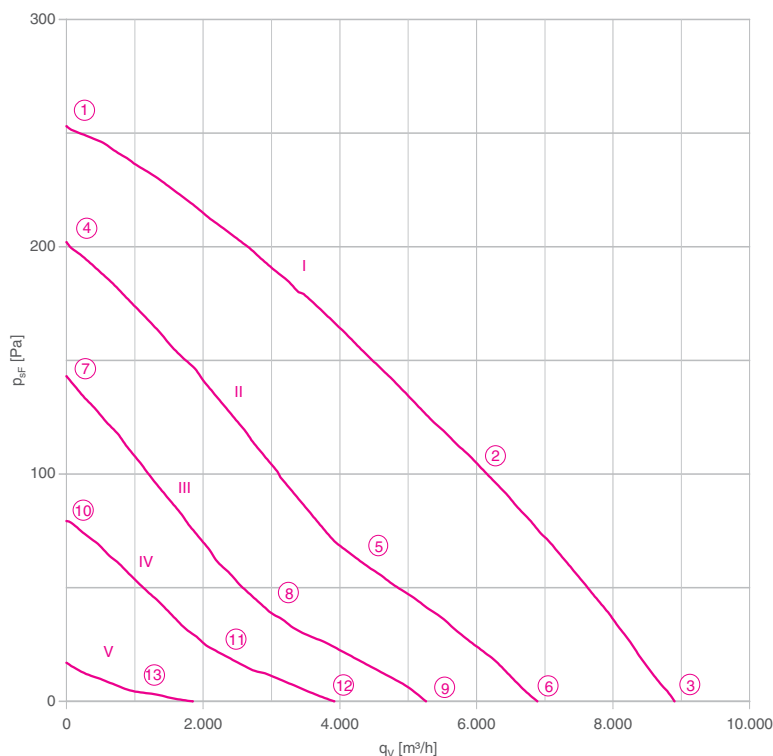
Description

Motor technology: AC
Rated voltage U_N : 1~ 230 V $\pm$ 10 %*
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 0.68 kW*
Rated current I_N : 3.00 A*
Rated speed n_N : 830 min⁻¹*
Service capacitor C_{400V} : 14.0 μ F
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -25 °C
Protection class: IP54
Motor protection: Thermal contact
Impeller : Aluminium, uncoated
Motor: 1 coat paint, pebble grey
Conformity: ErP 2013, CE

ErP-data

Efficiency η_{statA} : 34.3 %
Efficiency: $N_{actual} = 47.0 / N_{target} = 47$ **
* Rated data
**ErP 2013

Characteristic curve

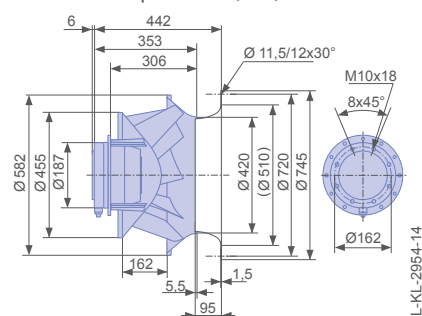


Measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00279305 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

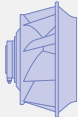


Performance data

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]
RM56D.6EK.6F.1R	I	230	①	2.10	470	910	
		230*	②	3.00*	680*	830*	73
		230	③	2.60	610	860	77
	II	160	④	2.20	370	800	
		160	⑤	3.00	490	620	64
		160	⑥	2.80	470	690	70
	III	130	⑦	2.30	300	660	
		130	⑧	2.60	340	470	64
		130	⑨	2.60	330	520	63
	IV	105	⑩	2.20	220	490	
		105	⑪	2.40	240	350	47
		105	⑫	2.30	230	380	54
	V	60	⑬	1.30	73	170	

*rated data

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 85cm
	
Type	RM56D-6EK.6F.1R
Article no.	106038
Weight [kg]	18.00
* Inlet ring not included	

Control technology

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