

D-series

for three phase alternating current, 4 pole

RM56D-4D



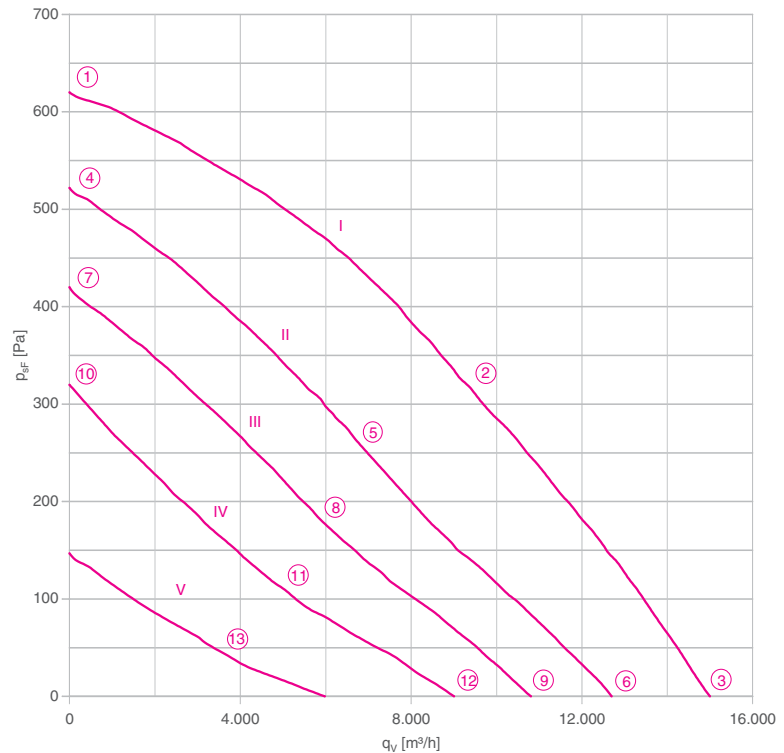
Description

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 : 2.40 kW*
Rated current I_N : 7.50/4.30 A*
Rated speed n_N : 1350 min⁻¹*
Starting current I_A : 38.00 A / 22.00 A
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -40 °C
Protection class: IP54
Motor protection: Thermal contact
Impeller : Aluminium, uncoated
Motor: 1 coat paint, pebble grey
Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 44.5 %
Efficiency: $N_{actual} = 51.9 / N_{target} = 50$ **
* Rated data
**ErP 2015

Characteristic curve

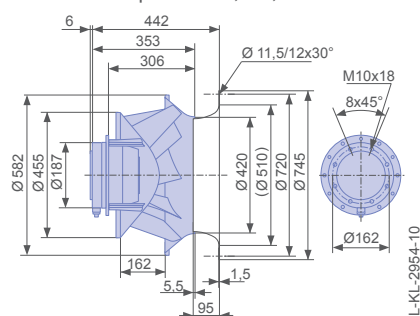


Measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring 00279305 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]
RM56D-4DK.6N.1R	I	400	①	3.00	1450	1420	
		400*	②	4.30*	2400*	1350*	87
		400	③	3.90	2000	1380	90
	II	230	④	3.20	1150	1280	
		230	⑤	4.60	1650	1100	81
		230	⑥	4.20	1500	1170	85
	III	180	⑦	3.40	960	1140	
		180	⑧	4.50	1250	940	76
		180	⑨	4.30	1200	1010	81
	IV	140	⑩	3.30	730	970	
		140	⑪	4.10	860	760	70
		140	⑫	3.90	830	830	76
	V	90	⑬	3.10	400	510	

*rated data

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 85cm
	
Type	RM56D-4DK.6N.1R
Article no.	106034
Weight [kg]	26.00
* 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
--	---	--	---