

D-series

for three phase alternating current, 4-4 pole

RM56D-VD



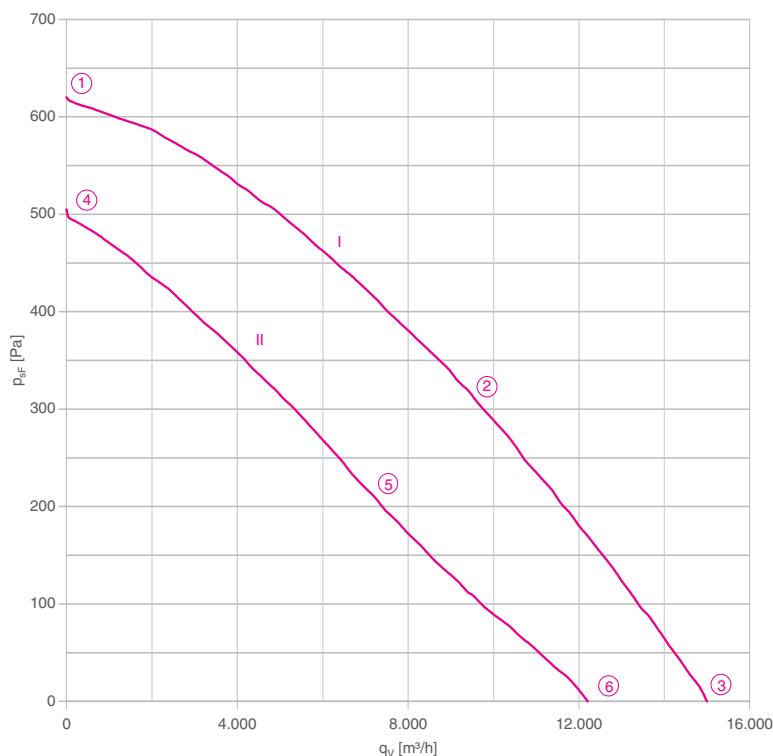
Description

Motor technology: AC
Rated voltage U_N : 3~ 400 V (Δ/Y) ± 10 %*
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 2.20/1.50 kW*
Rated current I_N : 4.30/2.50 A*
Rated speed n_N : 1350/1120 min⁻¹*
Starting current I_A : 17.00 A / 5.00 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

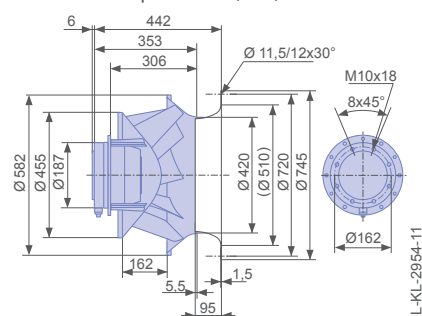


Measured with inlet ring, without guard grille according to ISO 5801

- Inlet ring Page 264
- Connection diagram 1360-108XA SW Page 367
- System components Page 262

Dimensions [mm]

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



Performance data

Type	Connection	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-VDK.6N.1R	Δ	I	400	①	3.00	1450	1420	
			400*	②	4.30*	2400*	1350*	87
			400	③	3.80	2000	1330	89
	Y	II	400	④	1.85	1100	1250	
			400*	⑤	2.70*	1550*	1080*	80
			400	⑥	2.40	1450	1140	84

*rated data

Fan ordering information

Design

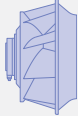
RM

Installation position

H/Vu/Vo

Electrical connection

Supply cable lateral
85cm



Type

RM56D-VDK.6N.1R

Article no.

106035

Weight [kg]

26.00

* Inlet ring not included

Control technology

Frequency inverter
Fcontrol 3~



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Motor protection units
3~



➤ Page 344

Transformer-based
controllers 3~



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Electronic voltage
controllers 3~



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