

D-series

for three phase alternating current, 6-6 pole

RM50D-SD



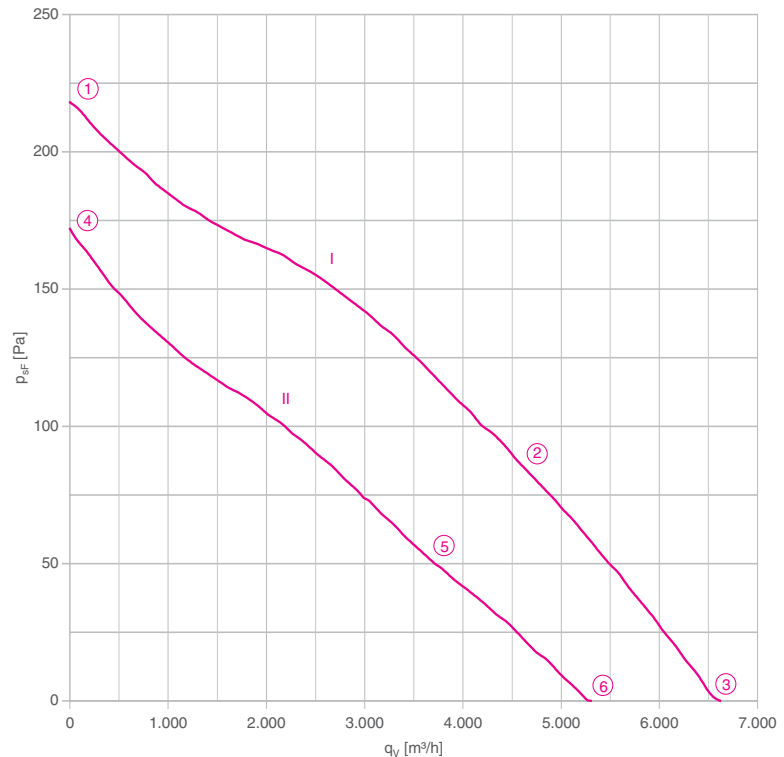
Description

Motor technology: AC
Rated voltage U_N : 3~ 400 V (Δ/Y) ± 10 %*
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 0.47/0.30 kW*
Rated current I_N : 1.25/0.58 A*
Rated speed n_N : 880/ 720 min⁻¹*
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} : 36.7 %
Efficiency: $N_{actual} = 51.4 / N_{target} = 50$ **
* Rated data
**ErP 2015

Characteristic curve

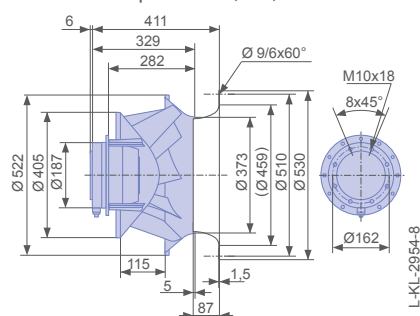


Measured with inlet ring, without guard grille according to ISO 5801

- 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

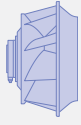


Performance data

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]
RM50D-SDK.6C.1R	Δ	I	400	①	0.85	260	950	
			400*	②	1.00*	410*	860*	69
			400	③	0.93	370	870	74
	Y	II	400	④	0.34	175	800	
			400*	⑤	0.47*	250*	660*	61
			400	⑥	0.44	230	700	68

*rated data

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 85cm
	
Type	RM50D-SDK.6C.1R
Article no.	106032
Weight [kg]	14.00
* 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
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