

D-series

for three phase alternating current, 6 pole

RM50D-6D



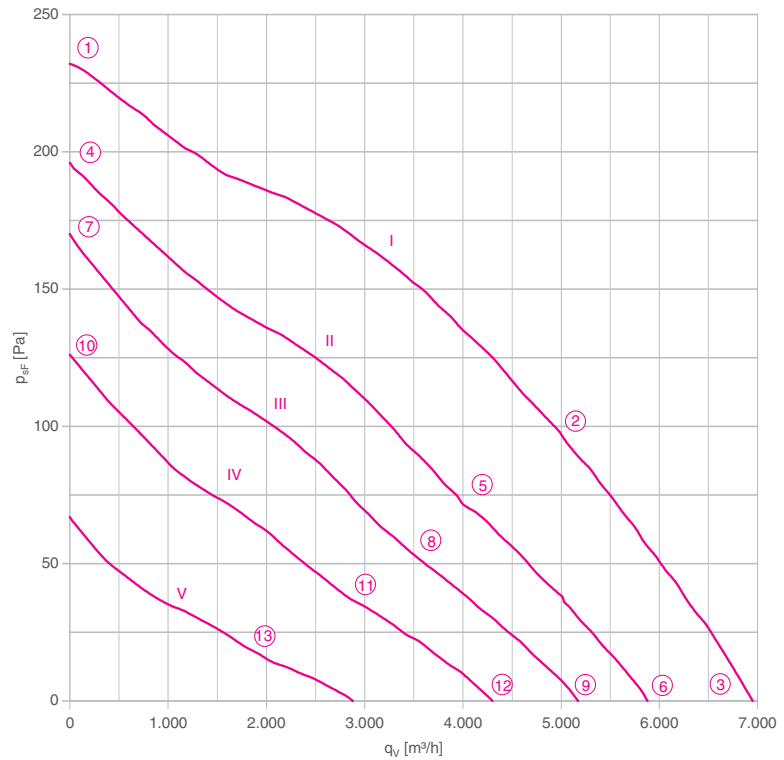
Description

Motor technology: AC
Rated voltage U_N : 3~ 230/400 V (Δ/Y) $\pm 10\%$ *
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 0.47 kW*
Rated current I_N : 2.10/1.25 A*
Rated speed n_N : 900 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

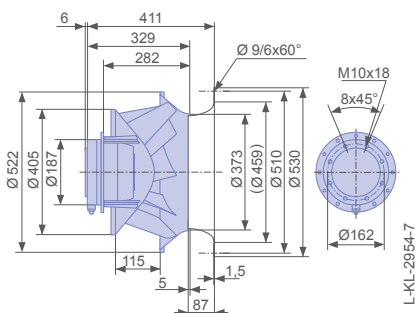


Measured with inlet ring, without guard grille according to ISO 5801

➤ Inlet ring	00278489	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

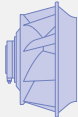


Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P _i [W]	n [min ⁻¹]	L _{WAS} [dB]
RM50D-6DK.6C.1R	I	400	①	1.15	300	950	
		400*	②	1.25*	470*	900*	70
		400	③	1.20	420	910	76
	II	230	④	0.70	200	870	
		230	⑤	0.96	320	760	65
		230	⑥	0.89	290	790	72
	III	180	⑦	0.65	170	790	
		180	⑧	0.91	240	650	61
		180	⑨	0.85	220	690	68
	IV	140	⑩	0.67	135	690	
		140	⑪	0.84	170	540	55
		140	⑫	0.79	160	580	63
	V	90	⑬	0.63	80	360	

*rated data

Fan ordering information

Design	RM
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 85cm
	
Type	RM50D-6DK.6C.1R
Article no.	106031
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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