

M-series

for three phase alternating current, 2 pole

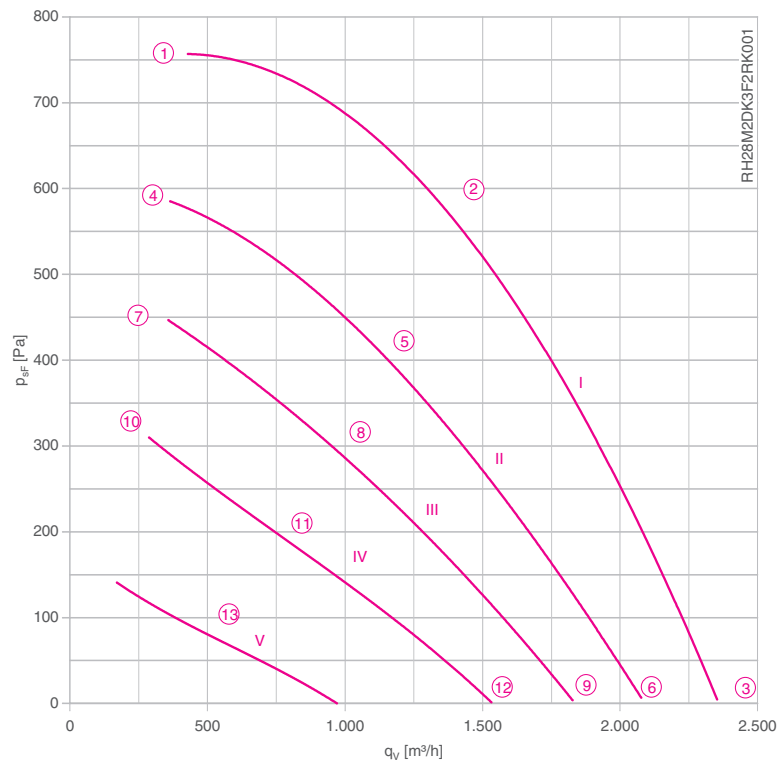
RH28M-2D



Description

Motor technology: AC
Rated voltage U_N : 3~ 230/400 V (Δ/Y) $\pm 10\%$
Rated frequency f_N : 50 Hz* (60Hz data available)
Motor input power P_1 : 0.50 kW*
Rated current I_N : 1.50/0.88 A*
Rated speed n_N : 2780 min⁻¹*
Starting current I_A : 7.50 A / 4.40 A
Dynamic pressure: $p_{d2} = 7.7 \cdot 10^{-6} \cdot q_v^2$ [Pa]
Thermal class: THCL155*
Min. permitted ambient temperature $t_{R(min)}$: -40 °C
Max. permitted ambient temperature $t_{R(max)}$: 50 °C
Protection class: IP54
Motor protection: Thermal contact
Impeller : Aluminium, uncoated
Motor: 1 coat paint, pebble grey
Conformity: ErP 2015, CE
ErP-Daten
Efficiency η_{statA} : 48.8 %
Efficiency: $N_{actual} = 62.0 / N_{target} = 62^{**}$
* Rated data
**ErP 2015

Characteristic curve

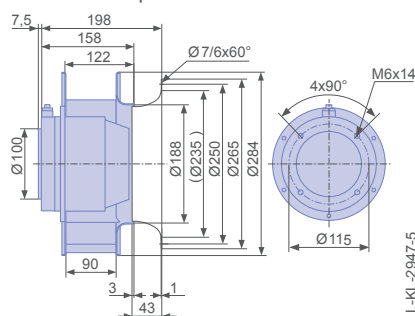


measured with inlet ring, without guard grille according to ISO 5801

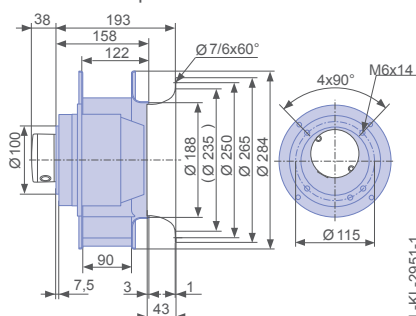
- Inlet ring 00275848 Page 451
- Connection diagram 1360-106XA SW Page 549
- System components Page 448

Dimensions [mm]

Free-running motor impeller RH
in installation position H/Vu/Vo



Free-running motor impeller RH
in installation position H/Vu/Vo

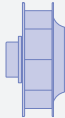
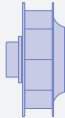


Performance data

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]
RH28M-2DK.3F.2R	I	400	①	0.77	370	2830	
		400*	②	0.88*	500*	2780*	80
		400	③	0.76	360	2830	84
	II	230	④	0.80	290	2510	
		230	⑤	1.00	360	2320	75
		230	⑥	0.80	290	2520	82
	III	180	⑦	0.88	250	2180	
		180	⑧	1.05	290	1970	70
		180	⑨	0.86	250	1830	78
	IV	140	⑩	0.86	185	1810	
		140	⑪	0.95	210	1590	65
		140	⑫	0.86	185	1850	74
	V	90	⑬	0.74	100	1060	

*rated data

Fan ordering information

Design	RH*	RH*
Installation position	H/Vu/Vo	H/Vu/Vo
Electrical connection	Supply cable lateral 105cm	Terminal box Mounted on stator.
		
Type	RH28M-2DK.3F.2R	RH28M-2DK.3F.2R
Article no.	121864	122250
Weight [kg]	7.10	7.10
* Inlet ring not included		

Control technology

Frequency inverter Fcontrol 3~  ➡ Page 484	Motor protection units 3~  ➡ Page 526	Transformer-based controllers 3~  ➡ Page 521	Electronic voltage controllers 3~  ➡ Page 506
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