

M-series

for single phase alternating current, 2 pole

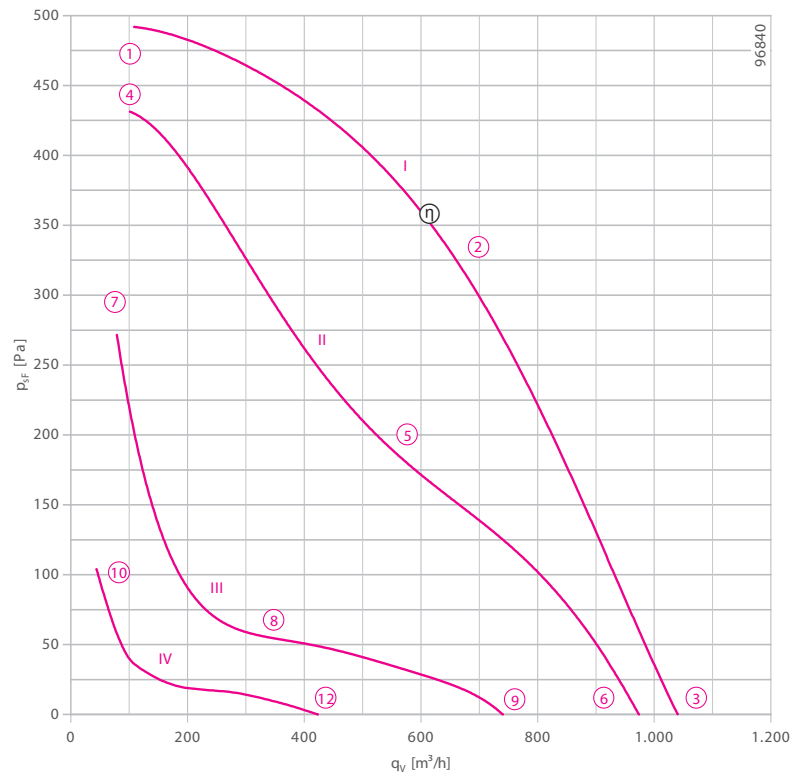
RH22M-2E



Description

Motor technology: AC
Rated voltage U_N : 1~ 230 V $\pm$ 10 %*
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 0.16 kW*
Rated current I_N : 0.68 A*
Rated speed n_N : 2750 min⁻¹*
Current increase ΔI : 35 %
Service capacitor C_{400V} : 7.0 μ F
Dynamic pressure: $p_{d2} = 1.45 \cdot 10^{-5} \cdot q_v^2$ [Pa]
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -25 °C
Max. permitted ambient temperature $t_{R(max)}$: 60 °C
Protection class: IP44
Motor protection: Thermal contact
Impeller : Aluminium, uncoated
Motor: 1 coat paint, pebble grey
Conformity: ErP 2013, CE
ErP-Daten
Efficiency η_{statA} : 39.6 %
Efficiency: $N_{actual} = 58.6 / N_{target} = 58$ **
* Rated data
**ErP 2013

Characteristic curve

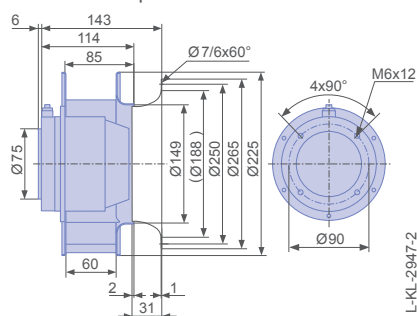


measured with inlet ring, without guard grille according to ISO 5801

➤ Inlet ring	00278352	Page 451
➤ Connection diagram	1360-126XA	Page 550
➤ System components		Page 448

Dimensions [mm]

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

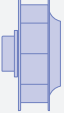


Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WA5} [dB]
RH22M-2EK.1B.2R	I	230	①	0.48	110	2860	74
		230*	②	0.68*	160*	2750*	69
		230	③	0.48	110	2860	77
	II	170	④	0.58	100	2690	72
		170	⑤	0.92	150	2170	63
		170	⑥	0.60	100	2680	76
	III	135	⑦	0.72	95	2160	66
		135	⑧	0.88	120	1220	52
		135	⑨	0.78	100	2040	69
	IV	110	⑩	0.72	75	1340	53
		110	⑪	0.72	75	1170	58
		110	⑫	0.72	75	1170	58

*rated data

Fan ordering information

Design	RH*
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 105cm
	
Type	RH22M-2EK.1B.2R
Article no.	161861
Weight [kg]	3.20
* Inlet ring not included	

Control technology

Frequency inverter Fcontrol 1~  ➤ Page 478	Motor protection units 1~  ➤ Page 526	Transformer-based controllers 1~  ➤ Page 517	Electronic voltage controllers 1~  ➤ Page 492
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