

M-series

for single phase alternating current, 2 pole

RH25M-2E



Description

Motor technology: AC
Rated voltage U_N : 1~ 230 V $\pm$ 10 %*
Rated frequency f_N : 50 Hz* (60Hz data available)
Motor input power P_1 : 0.24 kW*
Rated current I_N : 1.05 A*
Rated speed n_N : 2720 min⁻¹*
Service capacitor C_{400V} : 10.0 μ F
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

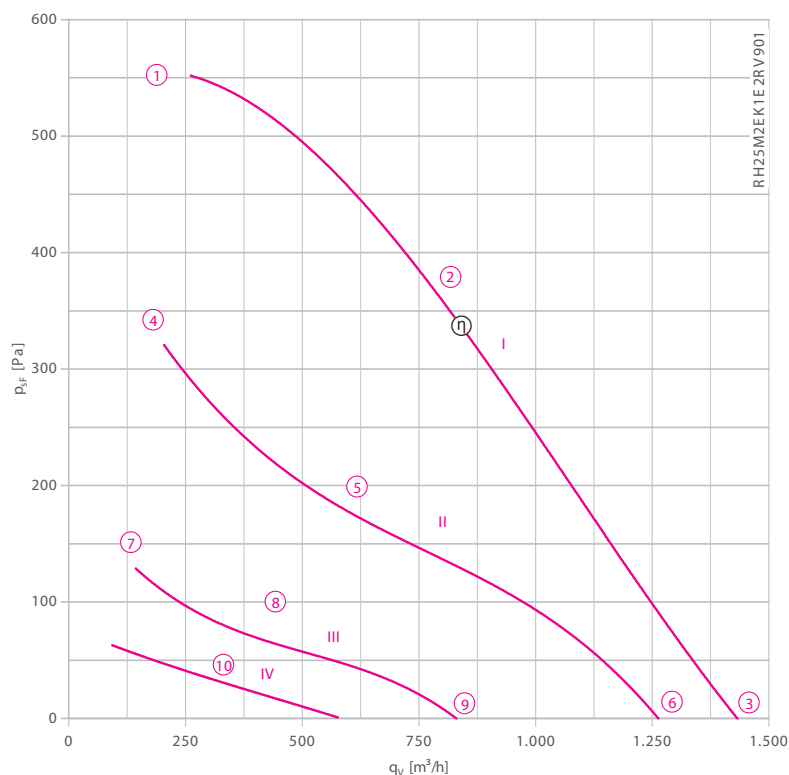
ErP-Daten

Efficiency η_{statA} : 41.6 %
Efficiency: $N_{actual} = 58.5 / N_{target} = 58$ **

* Rated data

**ErP 2013

Characteristic curve

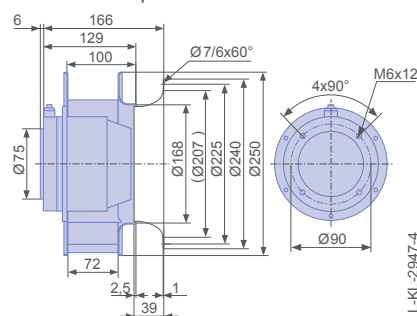


measured with inlet ring, without guard grille according to ISO 5801

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➤ 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]
RH25M-2EK.1E.2R	I	230	①	0.89	210	2790	
		230*	②	1.05*	240*	2720*	81
		230	③	0.80	190	2820	86
	II	160	④	1.35	200	2140	
		160	⑤	1.45	220	1930	73
		160	⑥	1.15	175	2480	83
	III	130	⑦	1.25	155	1370	
		130	⑧	1.30	155	1240	63
		130	⑨	1.20	150	1710	74
	IV	105	⑩	1.10	105	900	

*rated data

Fan ordering information

Design	RH*
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 105cm
	
Type	RH25M-2EK.1E.2R
Article no.	111132
Weight [kg]	4.20
* 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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