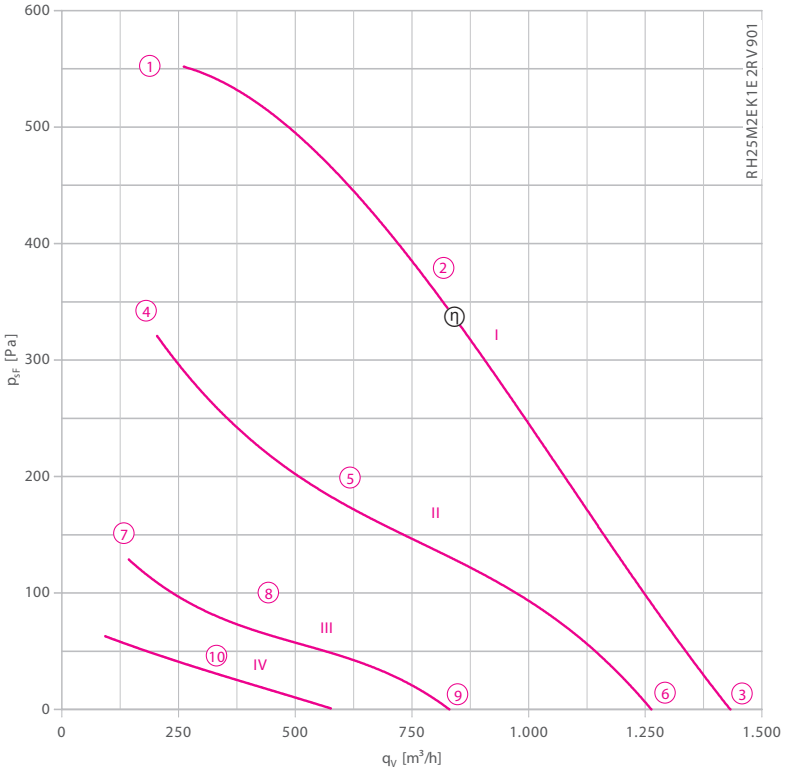
M-series

for single phase alternating current, 2 pole

RH25M-2E

Characteristic curve



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

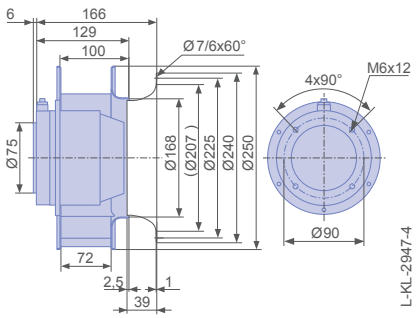
Description

Motor technology: AC
Rated voltage U_N: **1~ 230 V±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 µF
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

Inlet ring	00275847	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



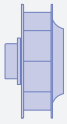
Performance data

Type	Characteristic curve	Voltage U [V]	Operating point	Current I [A]	Motor input power P_1 [W]	Speed n [min^{-1}]	Suction side sound power level 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