

M-series

for three phase alternating current, 2 pole

RH25M-2D



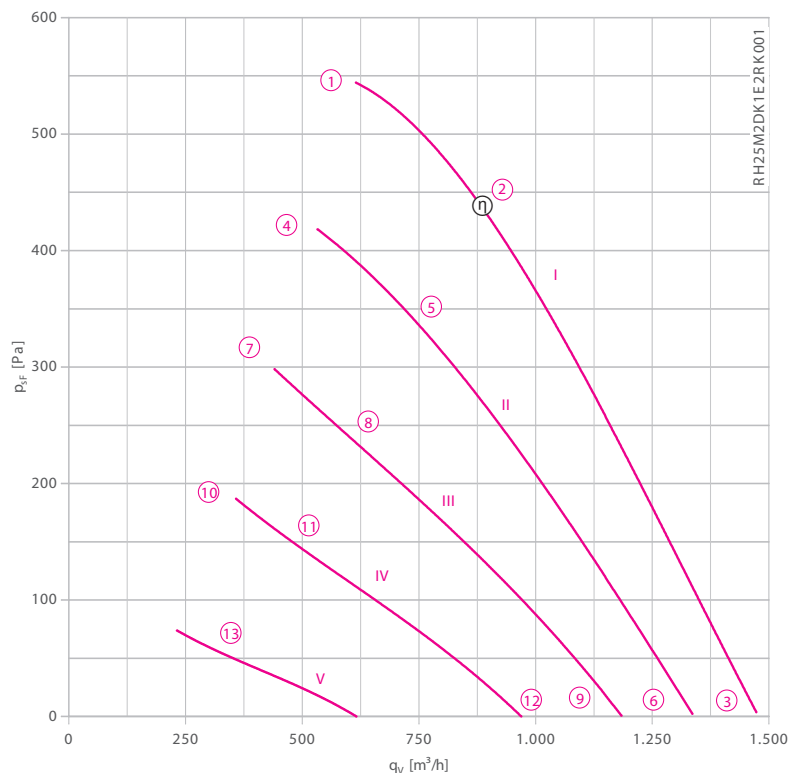
Description

Motor technology: AC
Rated voltage U_N : 3~400 V (Y) $\pm 10\%$
Rated frequency f_N : 50 Hz* (60Hz data available)
Motor input power P_1 : 0.25 kW*
Rated current I_N : 0.48 A*
Rated speed n_N : 2820 min⁻¹*
Starting current I_A : 2.20 A
Current increase ΔI : 15 %
Dynamic pressure: $p_{d2} = 1.45 \cdot 10^{-5} \cdot q_v^2$ [Pa]
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -40 °C
Max. permitted ambient temperature $t_{R(max)}$: 70 °C
Protection class: IP44
Motor protection: Thermal contact
Impeller : Aluminium, uncoated
Motor: 1 coat paint, pebble grey
Conformity: ErP 2015, CE

ErP-Daten

Efficiency η_{statA} : 45.2 %
Efficiency: $N_{actual} = 62.0 / N_{target} = 62\%$
* Rated data
**ErP 2015

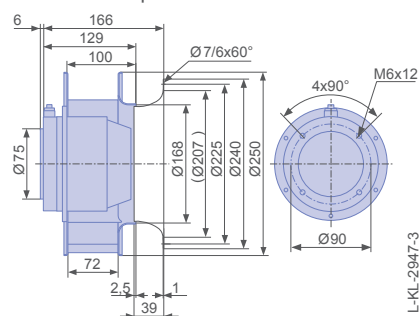
Characteristic curve



- Inlet ring 00275847 Page 451
- Connection diagram 1360-159XA SW Page 550
- System components Page 448

Dimensions [mm]

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

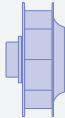


Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P _i [W]	n [min ⁻¹]	L _{WAS} [dB]
RH25M-2DK.1E.2R	I	400	①	0.50	240	2830	
		400*	②	0.48*	250*	2820*	82
		400	③	0.43	195	2860	86
	II	230	④	0.50	190	2470	
		230	⑤	0.52	200	2440	79
		230	⑥	0.41	160	2600	84
	III	180	⑦	0.54	160	2080	
		180	⑧	0.56	165	2030	75
		180	⑨	0.47	140	2290	81
	IV	140	⑩	0.53	120	1660	
		140	⑪	0.53	120	1610	69
		140	⑫	0.48	110	1880	79
	V	90	⑬	0.42	60	1020	

*rated data

Fan ordering information

Design	RH*
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 105cm
	
Type	RH25M-2DK.1E.2R
Article no.	111148
Weight [kg]	4.20
* 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
--	---	--	---