

M-series

for three phase alternating current, 2 pole

RH40M-2D



Description

Motor technology: AC

Rated voltage U_N : 3~ 230/400 V (Δ/Y) $\pm 10\%$ *

Rated frequency f_N : **50 Hz***

Motor input power P_1 : 1.45 kW*

Rated current I_N : 4.50/2.60 A*

Rated speed n_N : **2900 min⁻¹***

Dynamic pressure: $p_{d2} = 9.3 \cdot 10^{-5} \cdot q_v^2$ [Pa]

Thermal class: **THCL155***

Min. permitted ambient temperature $t_{R(\min)}$: -20 °C

Max. permitted ambient temperature $t_{R(max)}$: 50°C

Protection class: IP54

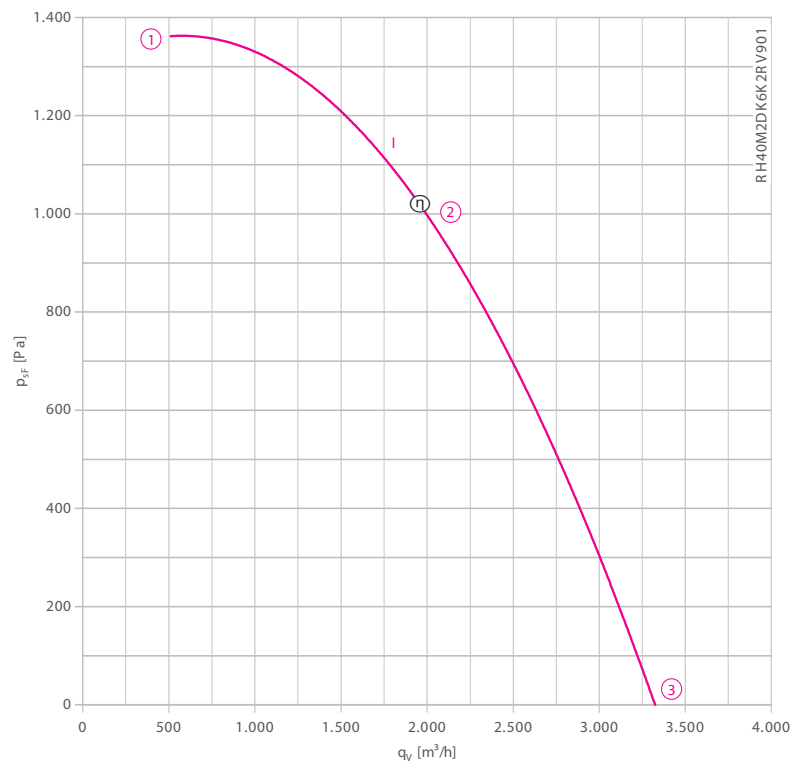
Motor protection: Thermal contact

Impeller : uncoated

Motor: 1 coat paint, pebble grey

* Rated data

Characteristic curve

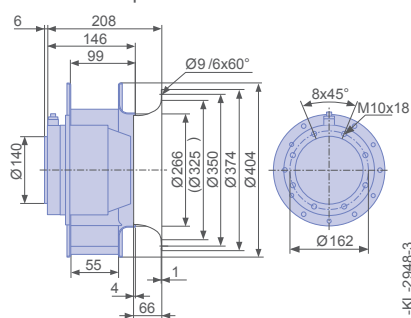


measured with inlet ring, without guard grille according to ISO 5801
not voltage controllable

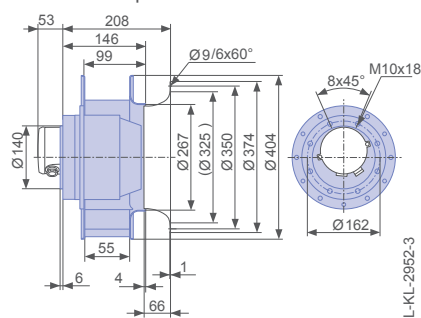
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|----------------------|---------------|----------|
| ➤ Inlet ring | 00275570 | Page 451 |
| ➤ Connection diagram | 1360-106XA SW | Page 549 |
| ➤ System components | | Page 448 |

Dimensions [mm]

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



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

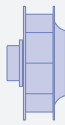


Performance data

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]
RH40M-2DK.6K.2R	I	400	①	2.00	1180	2950	
		400*	②	2.60*	1450*	2900*	86
		400	③	2.20	1050	2940	90

*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 motor.
		
Type	RH40M-2DK.6K.2R	RH40M-2DK.6K.2R
Article no.	122255	111176
Weight [kg]	20.90	20.90
* 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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Information

Cpro-ECblue

Vpro-ECblue

Vpro

L-series

M-series

System components

Control technology

General notes