

M-series

for three phase alternating current, 2 pole

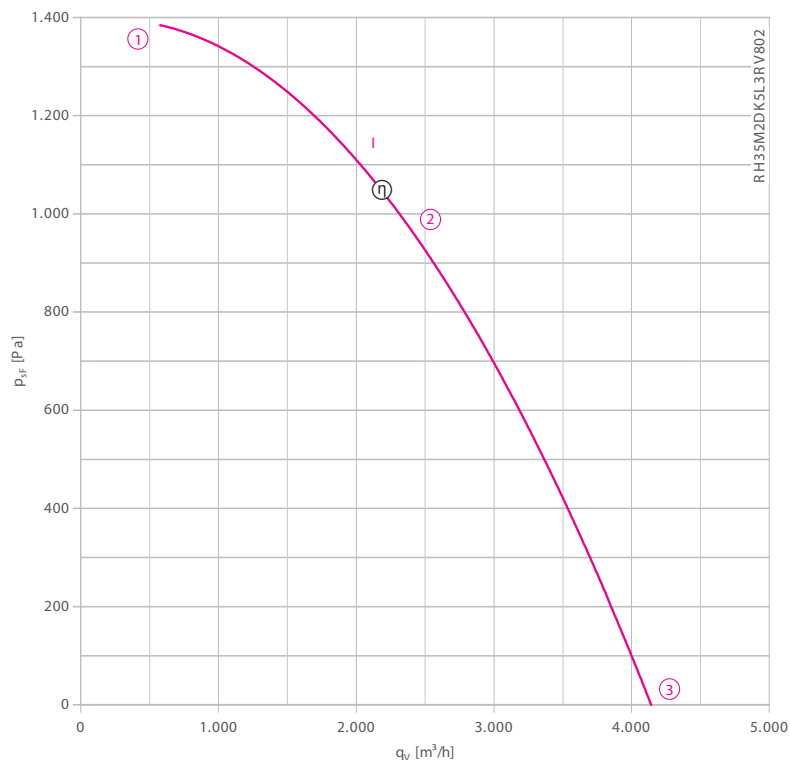
RH35M-2D



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 : 1.65 kW*
Rated current I_N : 4.70/2.70 A*
Rated speed n_N : 2810 min⁻¹*
Dynamic pressure: $p_{d2} = 3.6 \cdot 10^{-6} \cdot q_v^2$ [Pa]
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -40 °C
Max. permitted ambient temperature $t_{R(max)}$: 65 °C
Protection class: IP54
Motor protection: Thermal contact
Impeller : Aluminium, uncoated
Motor: 1 coat paint, pebble grey
* Rated data

Characteristic curve

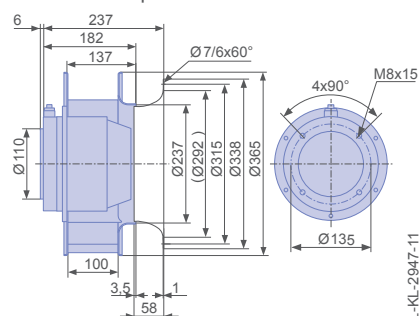


measured with inlet ring, without guard grille according to ISO 5801
not voltage controllable

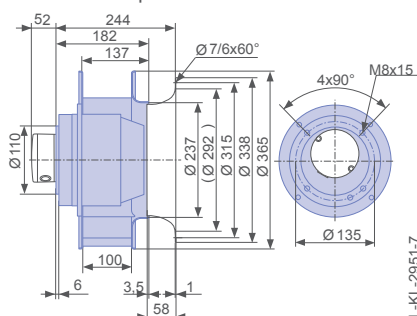
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Dimensions [mm]

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



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

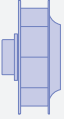
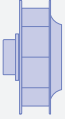


Performance data

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]
RH35M-2DK.5L.3R	I	400	①	2.00	1150	2870	
		400*	②	2.70*	1650*	2810*	88
		400	③	2.30	1350	2850	95

*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	RH35M-2DK.5L.3R	RH35M-2DK.5L.3R
Article no.	126193	126197
Weight [kg]	15.50	15.50
* Inlet ring not included		

Control technology

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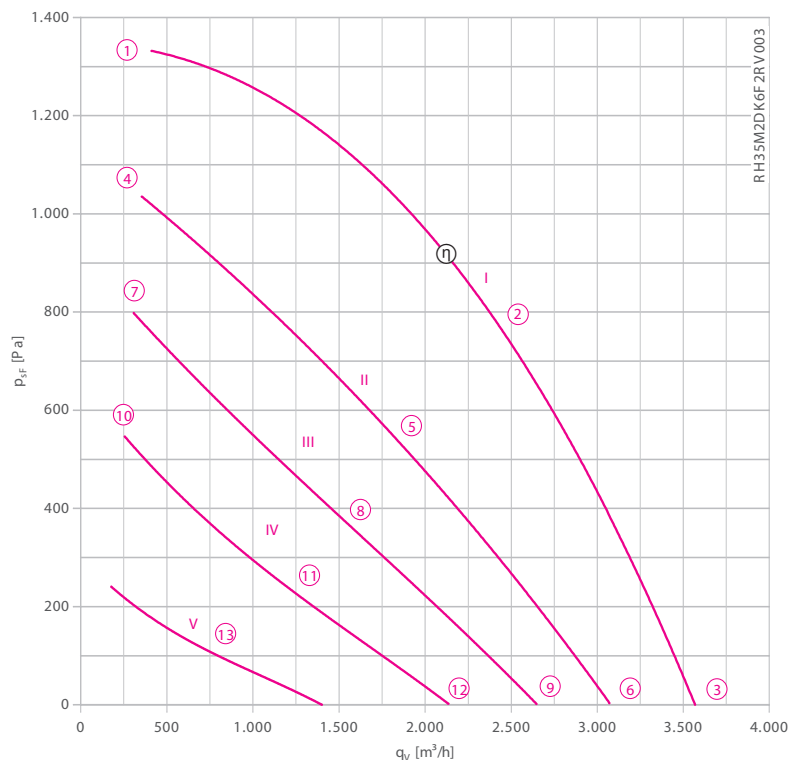
RH35M-2D



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 : 1.40 kW *
Rated current I_N : 4.70/2.70 A *
Rated speed n_N : 2730 min⁻¹ *
Current increase ΔI : 0 %
Dynamic pressure: $p_{d2} = 6.1 \cdot 10^{-5} \cdot q_v^2$ [Pa]
Thermal class: **THCL155** *
Min. permitted ambient temperature $t_{R(min)}$: -40 °C
Max. permitted ambient temperature $t_{R(max)}$: 60 °C
Protection class: IP54
Motor protection: Thermal contact
Impeller : Aluminium, uncoated
Motor: 1 coat paint, pebble grey
* Rated data

Characteristic curve

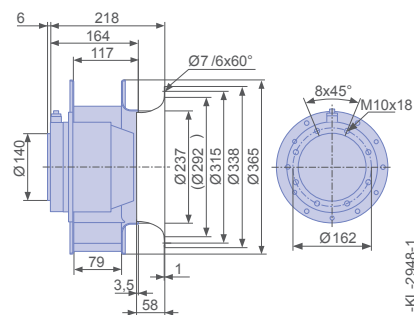


measured with inlet ring, without guard grille according to ISO 5801
not voltage controllable

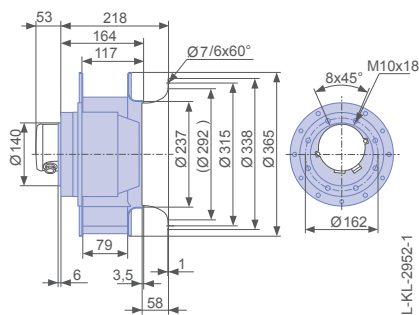
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Dimensions [mm]

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



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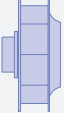
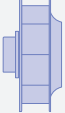


Performance data

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]
RH35M-2DK.6F.2R	I	400	①	2.10	910	2840	
		400*	②	2.70*	1400*	2730*	87
		400	③	2.30	1080	2810	97
	II	230	④	1.90	670	2520	
		230	⑤	2.70	910	2200	81
		230	⑥	2.20	760	2410	90
	III	180	⑦	2.00	540	2220	
		180	⑧	2.60	670	1840	77
		180	⑨	2.30	600	2800	94
	IV	140	⑩	2.00	400	1840	
		140	⑪	2.30	450	1470	70
		140	⑫	2.10	420	1700	81
	V	90	⑬	1.65	500	960	

*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	RH35M-2DK.6F.2R	RH35M-2DK.6F.2R
Article no.	121388	121869
Weight [kg]	14.10	14.10
* Inlet ring not included		

Control technology

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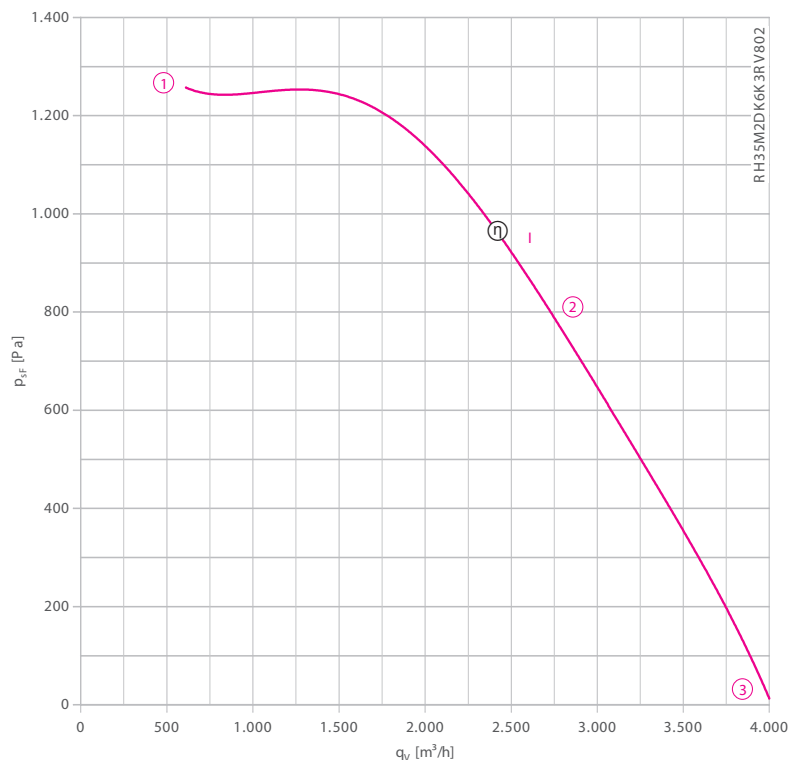
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Rated frequency f_N : 50 Hz *
Motor input power P_1 : 1.55 kW *
Rated current I_N : 4.80/2.70 A *
Rated speed n_N : 2880 min⁻¹ *
Dynamic pressure: $p_{d2} = 3.6 \cdot 10^{-6} \cdot q_v^2$ [Pa]
Thermal class: **THCL155** *
Min. permitted ambient temperature $t_{R(min)}$: -40 °C
Max. permitted ambient temperature $t_{R(max)}$: 80 °C
Protection class: IP54
Motor protection: Thermal contact
Impeller : Aluminium, uncoated
Motor: 1 coat paint, pebble grey
* Rated data

Characteristic curve

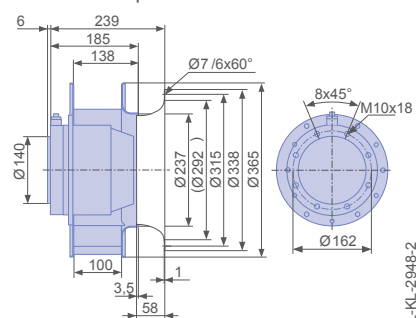


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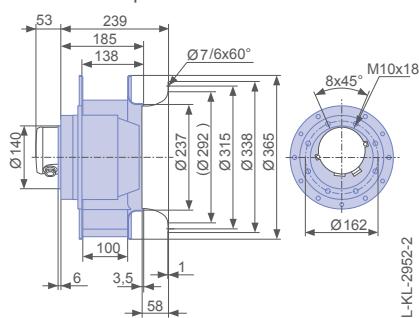
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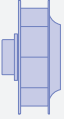
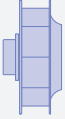


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Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P _i [W]	n [min ⁻¹]	L _{WAS} [dB]
RH35M-2DK.6K.3R	I	400	①	2.20	1200	2920	
		400*	②	2.70*	1550*	2880*	95
		400	③	2.50	1400	2900	99

*rated data

Fan ordering information

Design	RH*	RH*
Installation position	H/Vu/Vo	H/Vo
Electrical connection	Supply cable lateral 105cm	Terminal box Mounted on motor.
		
Type	RH35M-2DK.6K.3R	RH35M-2DK.6K.3R
Article no.	121389	109391
Weight [kg]	17.90	17.90
* Inlet ring not included		

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Information

Cpro-ECblue

Vpro-ECblue

Vpro

L-series

M-series

System components

Control technology

General notes