

Vpro

for single phase alternating current, 6 pole

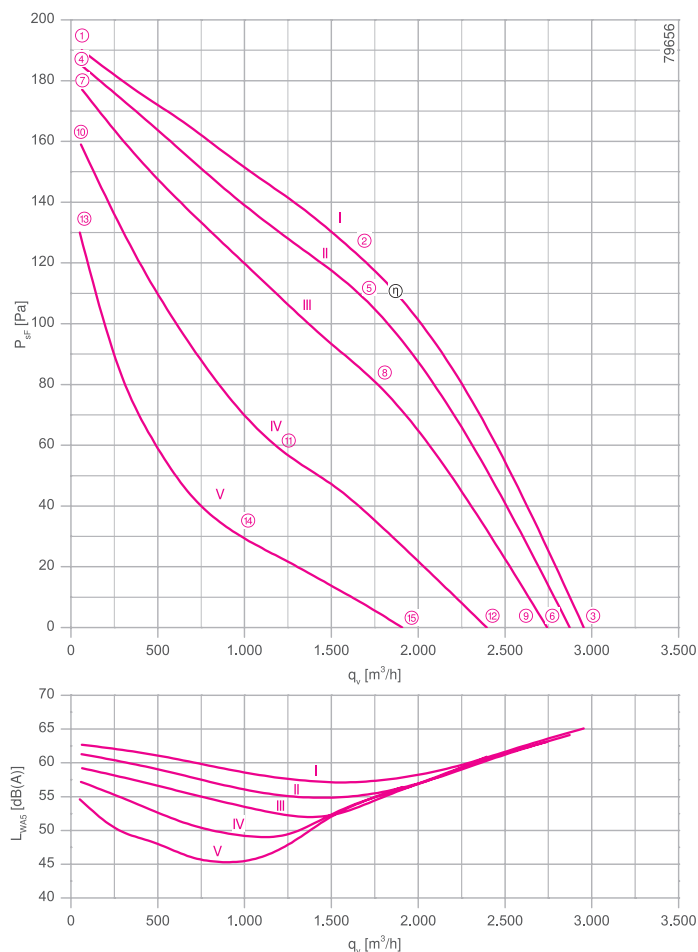
RH40V-6E



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 : 0.17 kW*
Rated current I_N : 0.76 A*
Rated speed n_N : 890 min⁻¹*
Current increase ΔI : 0 %
Service capacitor C_{400V} : 6.0 μ F
Dynamic pressure: $p_{d2} = 2.3 \cdot 10^{-6} \cdot q_v^2$ [Pa]
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -15 °C
Max. permitted ambient temperature $t_{R(max)}$: 60 °C
Protection class: IP44
Motor protection: Thermal contact
Impeller : High Performance Composite Material, uncoated, black
Motor: 1 coat paint, pebble grey
* Rated data

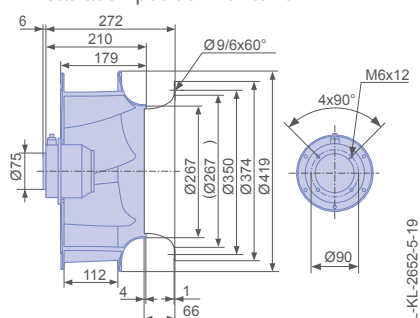
Characteristic curve



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- Connection diagram 1360-104XA SW Page 549
- System components Page 448

Dimensions [mm]

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

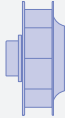


Performance data

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]
RH40V-6EK.2F.1R	I	230	①	0.62	130	950	63
		230*	②	0.76*	170*	890*	57
		230	③	0.68	150	920	65
	II	200	④	0.54	110	930	61
		200	⑤	0.74	150	850	55
		200	⑥	0.64	130	890	64
	III	170	⑦	0.50	85	920	59
		170	⑧	0.72	120	790	55
		170	⑨	0.62	110	850	63
	IV	135	⑩	0.48	65	870	57
		135	⑪	0.70	95	630	49
		135	⑫	0.62	85	750	61
	V	110	⑬	0.48	50	790	55
		110	⑭	0.64	70	470	46
		110	⑮	0.60	65	600	56

*rated data

Fan ordering information

Design	RH*
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 105cm
	
Type	RH40V-6EK.2F.1R
Article no.	113372
Weight [kg]	6.20
* Inlet ring not included	

Control technology

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for single phase alternating current, 6 pole

RH40V-6E



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 : **0.15 kW***
 Rated current I_N : **0.70 A***
 Rated speed n_N : **900 min⁻¹***
 Current increase ΔI : 15 %
 Service capacitor C_{400V} : 5.0 μ F
 Dynamic pressure: $p_{02} = 2.3 \cdot 10^{-6} \cdot q_v^2$ [Pa]
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -15 °C
 Max. permitted ambient temperature $t_{R(max)}$: 60 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : High Performance Composite Material, uncoated, black
 Motor: 1 coat paint, pebble grey
 Conformity: ErP 2015, CE

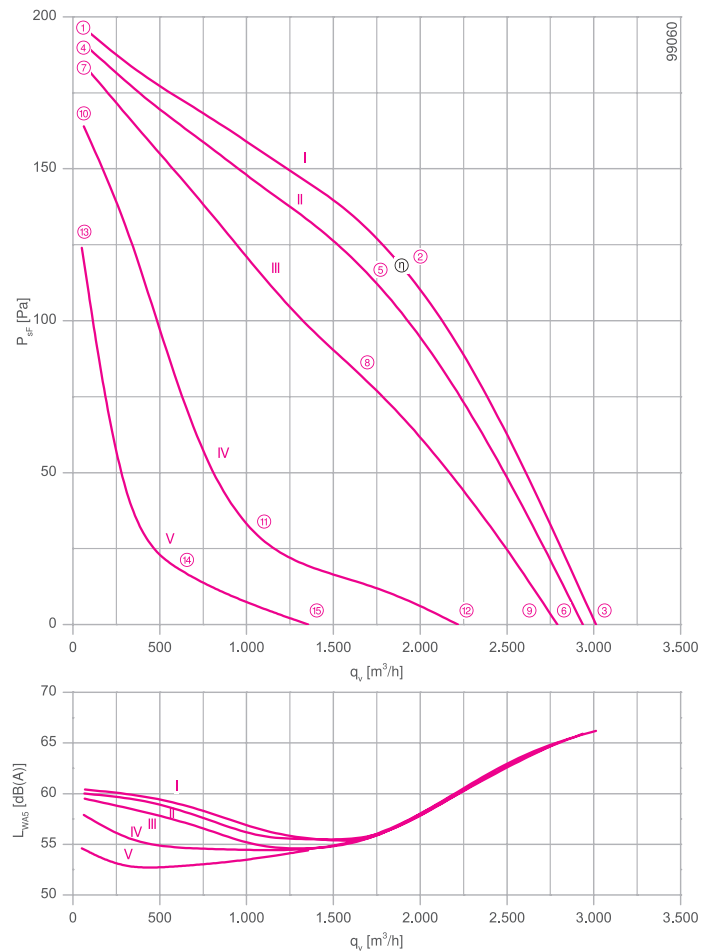
ErP-Daten

Efficiency η_{statA} : 41.1 %
 Efficiency: $N_{\text{actual}} = 63.1 / N_{\text{target}} = 62^{**}$
 Frequency inverter required

* Rated data

**ErP 2015

Characteristic curve

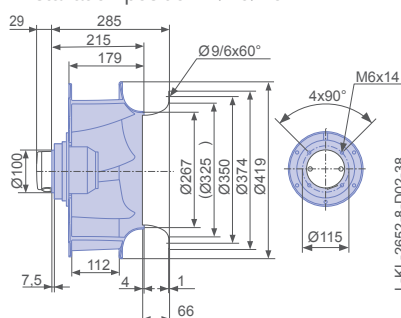


measured with inlet ring, without guard grille according to ISO 5801

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|----------------------|---------------|----------|
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Dimensions [mm]

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

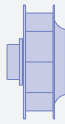


Performance data

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]
RH40V-6EK.4C.1R	I	230	①	0.48	100	960	60
		230*	②	0.70*	150*	900*	57
		230	③	0.58	130	930	66
	II	200	④	0.44	85	950	60
		200	⑤	0.72	140	870	56
		200	⑥	0.58	110	910	66
	III	170	⑦	0.42	70	930	60
		170	⑧	0.78	130	770	55
		170	⑨	0.60	100	870	65
	IV	135	⑩	0.44	60	880	58
		135	⑪	0.80	95	470	55
		135	⑫	0.70	85	690	60
	V	110	⑬	0.50	55	770	55
		110	⑭	0.64	65	420	54
		110	⑮	0.64	65	420	54

*rated data

Fan ordering information

Design	RH*
Installation position	H/Vu/Vo
Electrical connection	Cable box D02 with cable lateral 105cm
	
Type	RH40V-6EK.4C.1R
Article no.	161865
Weight [kg]	7.30
* Inlet ring not included	

Control technology

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