

Vpro

for single phase alternating current, 4 pole

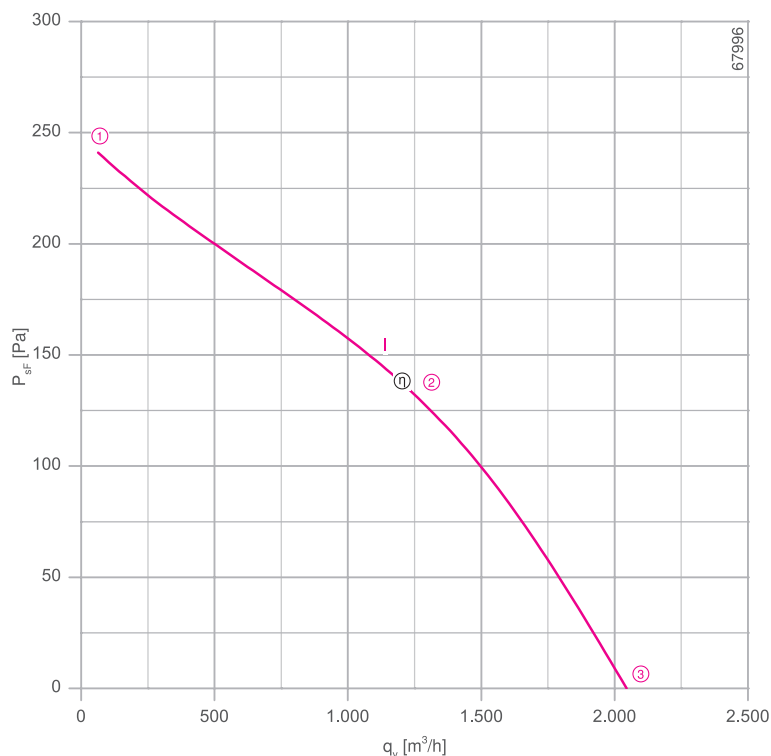
RH31V-4E



Description

Motor technology: AC
Rated voltage U_N : 1~ 230 V*
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 0.14 kW*
Rated current I_N : 0.62 A*
Rated speed n_N : 1240 min⁻¹*
Current increase ΔI : 0 %
Service capacitor C_{400V} : 4.0 μF
Dynamic pressure: $p_{d2} = 5.8 \cdot 10^{-6} \cdot q_v^2$ [Pa]
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -30 °C
Max. permitted ambient temperature $t_{R(max)}$: 60 °C
Motor protection: Thermal contact
Impeller : High Performance Composite Material, uncoated, black
* Rated data

Characteristic curve

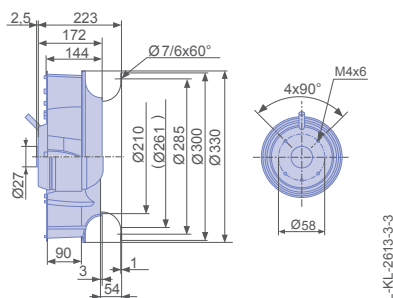


measured with inlet ring, without guard grille according to ISO 5801

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Dimensions [mm]

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

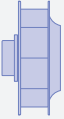


Performance data

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]
RH31V-4EP.WD.1R	I	230	①	0.52	100	1370	64
		230*	②	0.62*	140*	1240*	60
		230	③	0.56	120	1310	67

*rated data

Fan ordering information

Design	RH*
Installation position	H/Vu/Vo
Electrical connection	Supply cable variable 45cm
	
Type	RH31V-4EP.WD.1R
Article no.	113299
Weight [kg]	3.60
* Inlet ring not included	

Control technology

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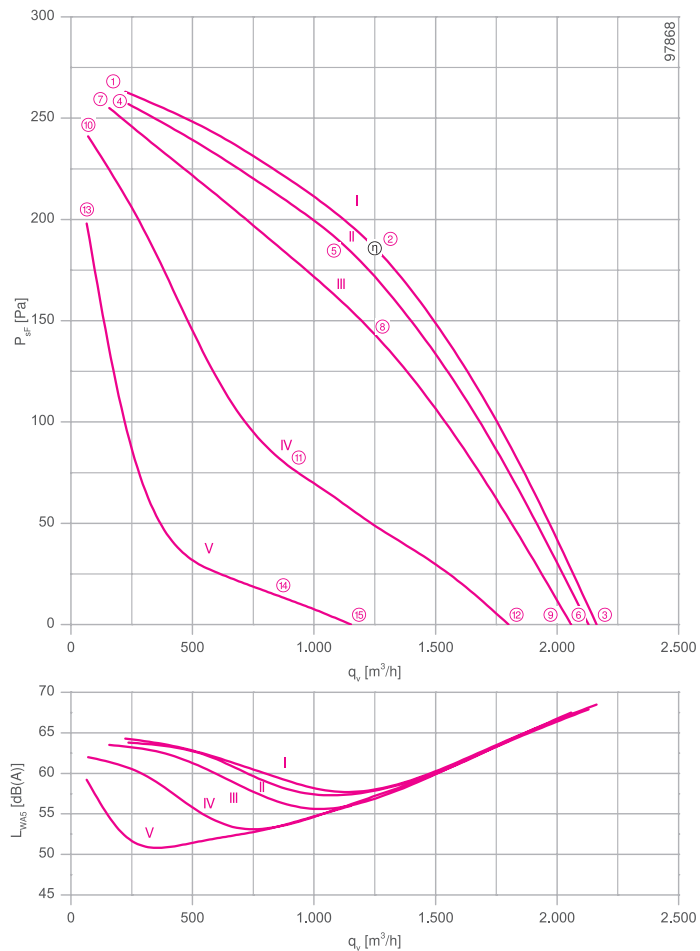
for single phase alternating current, 4 pole

RH31V-4E



Description

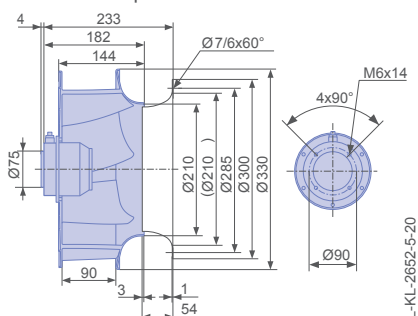
Motor technology: AC
Rated voltage U_N : 1~ 230 V $\pm$ 10 %*
Rated frequency f_N : 50 Hz* (60Hz data available)
Motor input power P_1 : 0.16 kW*
Rated current I_N : 0.74 A*
Rated speed n_N : 1400 min⁻¹*
Current increase ΔI : 35 %
Service capacitor C_{400V} : 3.0 μ F
Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-6} \cdot q_v^2$ [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
Conformity: ErP 2015, CE
ErP-Daten
Efficiency η_{statA} : 43.3 %
Efficiency: $N_{actual} = 62.2 / N_{target} = 62^{**}$
* Rated data
**ErP 2015



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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]
RH31V-4EK.0F.1R	I	230	①	0.60	110	1450	64
		230*	②	0.74*	160*	1400*	58
		230	③	0.66	130	1430	69
	II	200	④	0.54	100	1430	64
		200	⑤	0.76	140	1370	57
		200	⑥	0.62	120	1410	68
	III	170	⑦	0.50	80	1410	64
		170	⑧	0.84	140	1290	57
		170	⑨	0.66	110	1360	68
	IV	135	⑩	0.50	65	1370	62
		135	⑪	1.00	130	940	54
		135	⑫	0.82	110	1190	64
	V	110	⑬	0.58	65	1240	59
		110	⑭	0.94	95	610	53
		110	⑮	0.90	90	780	56

*rated data

Fan ordering information

Design	RH*
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 105cm
	
Type	RH31V-4EK.0F.1R
Article no.	161819
Weight [kg]	4.40
* Inlet ring not included	

Control technology

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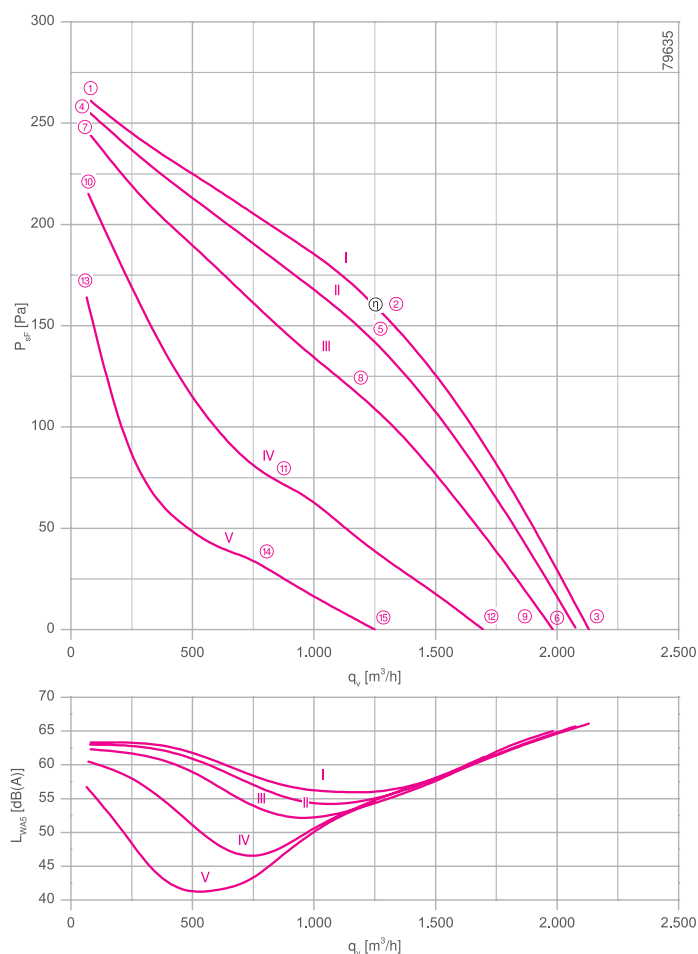
RH31V-4E



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 : 0.82 A*
Rated speed n_N : 1310 min⁻¹*
Current increase ΔI : 0 %
Service capacitor C_{400V} : 6.0 μ F
Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-6} \cdot q_v^2$ [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

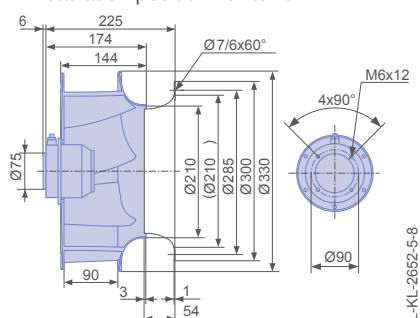
Characteristic curve



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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]
RH31V-4EK.2C.1R	I	230	①	0.70	140	1410	63
		230*	②	0.82*	170*	1310*	56
		230	③	0.74	160	1360	66
	II	200	④	0.56	110	1390	63
		200	⑤	0.74	140	1260	55
		200	⑥	0.66	130	1330	66
	III	170	⑦	0.50	85	1360	62
		170	⑧	0.72	120	1160	53
		170	⑨	0.62	100	1270	65
	IV	135	⑩	0.48	65	1280	61
		135	⑪	0.68	85	890	47
		135	⑫	0.60	80	1080	61
	V	110	⑬	0.48	50	1120	57
		110	⑭	0.58	60	660	42
		110	⑮	0.56	55	810	55

*rated data

Fan ordering information

Design	RH*
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 105cm
	
Type	RH31V-4EK.2C.1R
Article no.	113303
Weight [kg]	4.20
* Inlet ring not included	

Control technology

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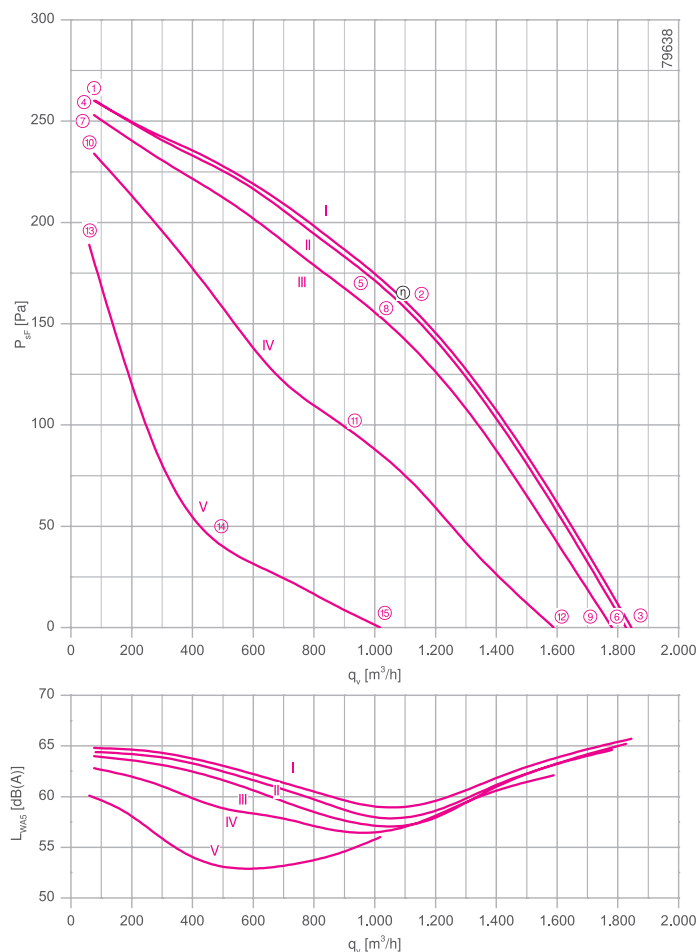
RH31V-4E



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 : 0.20 kW*
Rated current I_N : 1.40 A*
Rated speed n_N : 1390 min⁻¹*
Starting current I_A : 3.00 A
Current increase ΔI : 0 %
Service capacitor C_{400V} : 4.0 μ F
Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-6} \cdot q_v^2$ [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

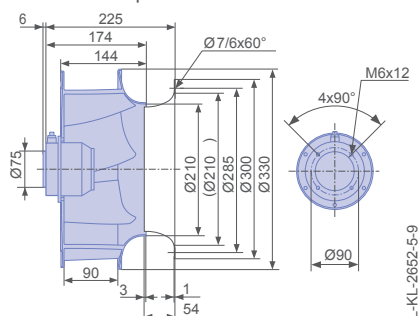
Characteristic curve



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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]
RH31V-4EK.2F.1R	I	230	①	1.35	170	1430	65
		230*	②	1.40*	200*	1390*	59
		230	③	1.35	190	1410	66
	II	200	④	1.00	120	1430	64
		200	⑤	1.10	160	1380	58
		200	⑥	1.05	140	1390	65
	III	170	⑦	0.78	95	1410	64
		170	⑧	0.98	130	1330	57
		170	⑨	0.90	120	1360	65
	IV	135	⑩	0.72	80	1350	63
		135	⑪	1.10	120	1110	57
		135	⑫	0.96	100	1210	62
	V	110	⑬	0.78	70	1210	60
		110	⑭	1.05	85	720	54
		110	⑮	1.00	80	790	56

*rated data

Fan ordering information

Design	RH*
Installation position	H/Vu/Vo
Electrical connection	Supply cable lateral 105cm
	
Type	RH31V-4EK.2F.1R
Article no.	113369
Weight [kg]	5.00
* Inlet ring not included	

Control technology

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