

Vpro-ECblue

for single phase alternating current, 200-277 V

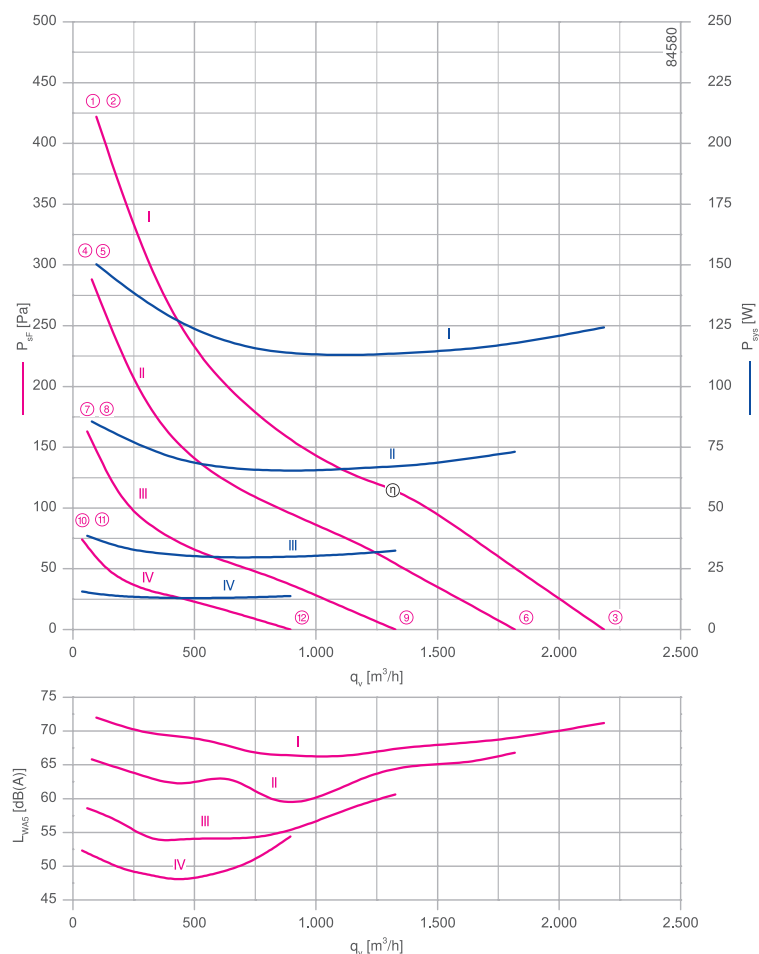
RH3 1V-6IP



Description

Motor technology: EC
Rated voltage U: 1~200-277 V*
Rated frequency f: 50/60 Hz*
Motor input power P: 0.15 kW*
Rated current I: 1.30-0.96 A*
Rated speed n: 1790 min⁻¹*
Thermal class: THCL155*
Min. permitted ambient temperature t_{R1} : -5 °C
Max. permitted ambient temperature t_{R2} at n_{max} : 60 °C
Electrical connection: Integrated controller with attached cable
Number of blades : 6
Balancing quality: G 6.3
Protection class: IP44
Motor protection: Integrated active temperature management
Impeller : High Performance Composite Material, uncoated, black
Conformity: CE
ErP-data
Not subject to ErP regulations ($P_1 < 125$ W)
*Rated data

Characteristic curve

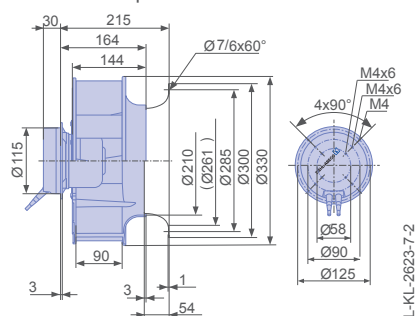


measured with inlet ring, without guard grille according to ISO 5801

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Dimensions [mm]

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



Performance data

Type	Characteristic curve	Speed %	Operating point	Current	Motor input power	Suction side sound power level
				I [A]	P _{sys} [W]	L _{WA5} [dB]
RH31V-6IP.0E.1R	I	100	①	1.15	150	72
			②	1.15	150	72
			③	0.96	120	71
	II	80	④	0.68	85	66
			⑤	0.68	85	66
			⑥	0.58	75	67
	III	60	⑦	0.32	38	59
			⑧	0.32	38	59
			⑨	0.28	32	61
	IV	40	⑩	0.15	16	52
			⑪	0.15	16	52
			⑫	0.14	14	54

Current values determined at 230V

Fan ordering information

Design RH*

Installation
position H/Vu/Vo



Type RH31V-6IP.0E.1R

Basic electronics

Article no. 114325

Weight [kg] 3.40

* Inlet ring not included

** Inlet ring integrated

Control technology

Control module



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Operating terminal



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Expansion module



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Information

Cpro-ECblue

Vpro-ECblue

Vpro

L-series

M-series

System
components

Control
technology

General notes

Vpro-ECblue

for single phase alternating current, 200-277 V

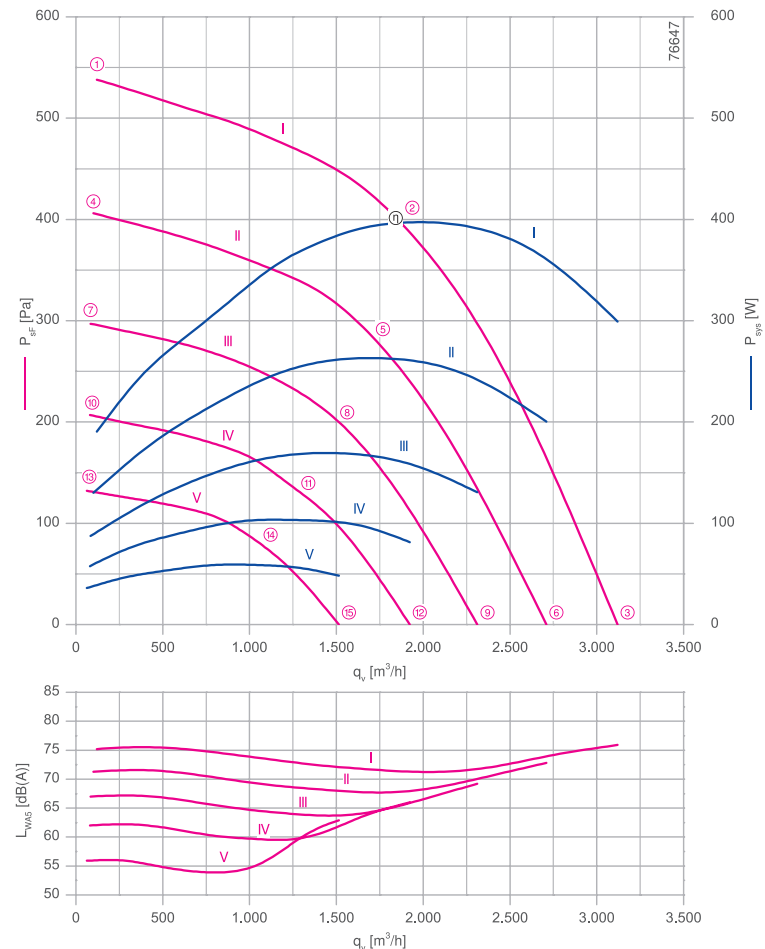
RH31V-6IK



Description

Motor technology: EC
Rated voltage U: 1~200-277 V*
Rated frequency f: 50/60 Hz*
Motor input power P: 0.40 kW*
Rated current I: 2.10-1.50 A*
Rated speed n: 2010 min⁻¹*
Thermal class: THCL155*
Min. permitted ambient temperature t_{R1} : -15 °C
Max. permitted ambient temperature t_{R2} at n_{max} : 60 °C
Electrical connection: Integrated controller with attached cable
Number of blades : 6
Balancing quality: G 6.3
Protection class: IP54
Motor protection: Integrated active temperature management
Impeller : High Performance Composite Material, uncoated, black
Conformity: ErP 2015, CE
ErP-data
Efficiency η_{statA} : 59.5 %
Efficiency: $N_{actual} = 74.5 / N_{target} = 62^{**}$
EC controller integrated
*Rated data
**ErP 2015

Characteristic curve

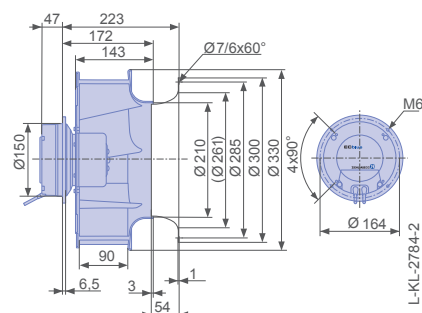


measured with inlet ring, without guard grille according to ISO 5801

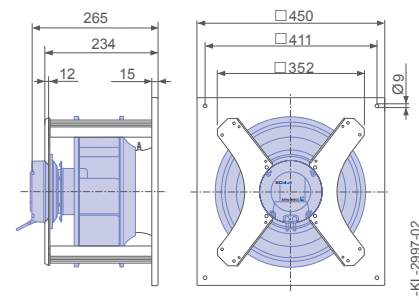
➤ Inlet ring	00335943	Page 450
➤ Connection diagram	KT00044A	Page 547
➤ System components		Page 448

Dimensions [mm]

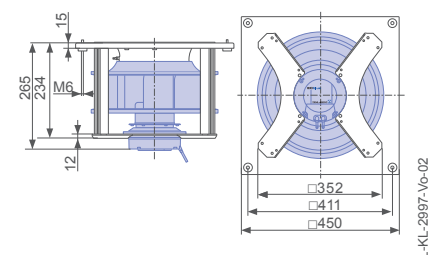
Free-running motor impeller RH
in installation position H/V/u/Vo



Ventilation unit GR in installation position H



Ventilation unit GR in installation position Vo

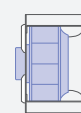
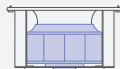


Performance data

Type	Characteristic curve	Speed	Operating point	Current	Motor input power	Suction side sound power level
		n [min ⁻¹]		I [A]	P _{sys} [W]	L _{WA5} [dB]
_31V-6IK.BF.1R	I	2010	①	0.90	190	75
		2010	②	1.80	400	71
		2010	③	1.40	300	76
	II	1750	④	0.64	130	71
		1750	⑤	1.20	260	68
		1750	⑥	0.94	200	73
	III	1500	⑦	0.46	85	67
		1500	⑧	0.80	170	64
		1500	⑨	0.64	130	69
	IV	1250	⑩	0.33	60	62
		1250	⑪	0.52	100	60
		1250	⑫	0.44	80	66
	V	1000	⑬	0.23	36	56
		1000	⑭	0.33	60	54
		1000	⑮	0.29	48	63

Current values determined at 230V

Fan ordering information

Design	RH*	GR**	GR**	GR**
Installation position	H/Vu/Vo	H	Vo	Vu
				
Type	RH31V-6IK.BF.1R	GR31V-6IK.BF.1R	GR31V-6IK.BF.1R	GR31V-6IK.BF.1R
Basic electronics				
Article no.	113854	114948/H01	114948/O01	114948/U01
Weight [kg]	5.40	12.00	12.00	12.00
* Inlet ring not included				
** Inlet ring integrated				

Control technology

Control module	Operating terminal	Expansion module
		
➤ Page 464	➤ Page 476	➤ Page 473

Ventilation unit GR in installation position
Vu

