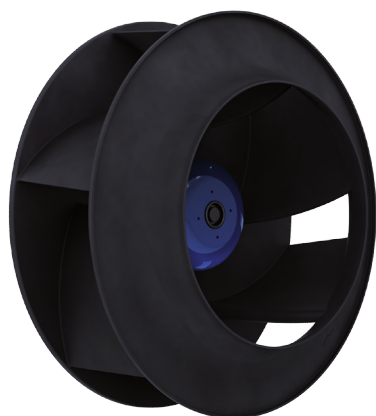


Vpro-ECblue

for three phase alternating current, 380-480 V

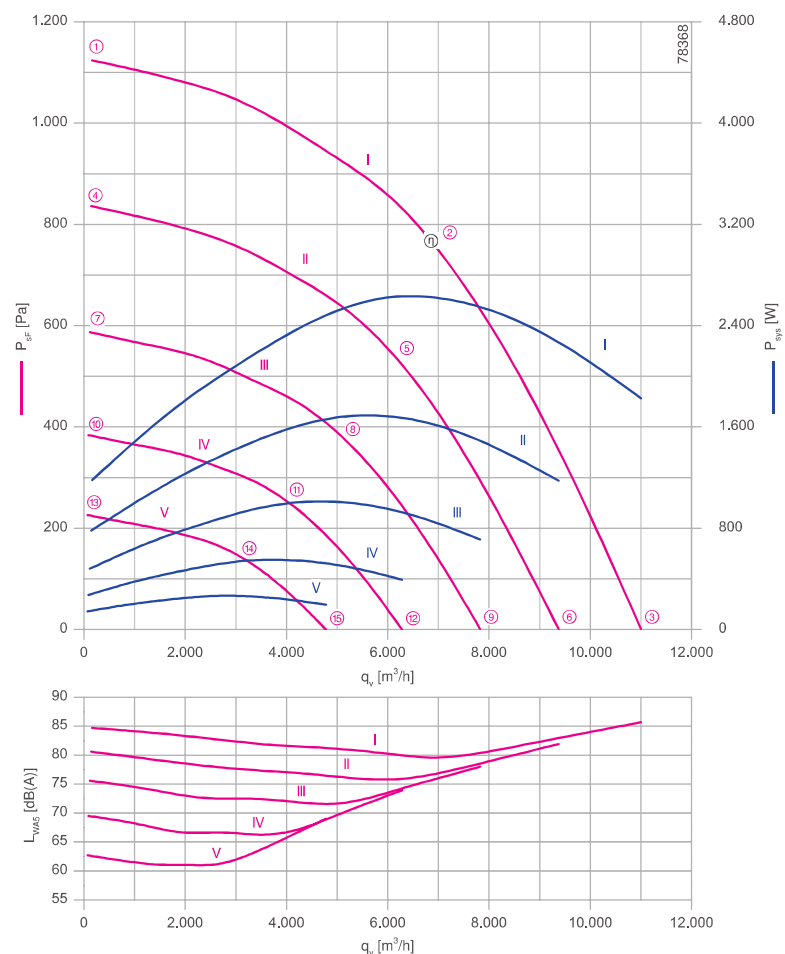
RH50V-ZIK



Description

Motor technology: EC
Rated voltage U: **3~380-480 V***
Rated frequency f: **50/60 Hz***
Motor input power P: **2.60 kW***
Rated current I: **4.30-3.40 A***
Rated speed n: **1800 min⁻¹***
Thermal class: **THCL155***
Min. permitted ambient temperature t_{R} : -15 °C
Max. permitted ambient temperature t_{R} at n_{max} : 60 °C
Electrical connection: integrated Controller
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_{isbA} : 60.5 %
Efficiency: $N_{actual} = 66.6 / N_{target} = 62^{**}$
EC controller integrated
*Rated data
**ErP 2015

Characteristic curve

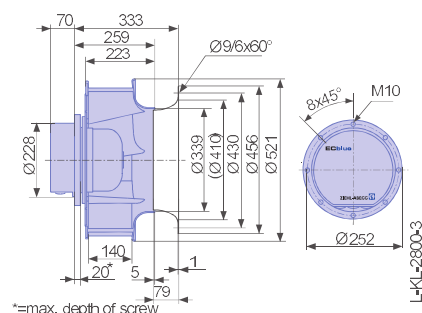


measured with inlet ring, without guard grille according to ISO 5801

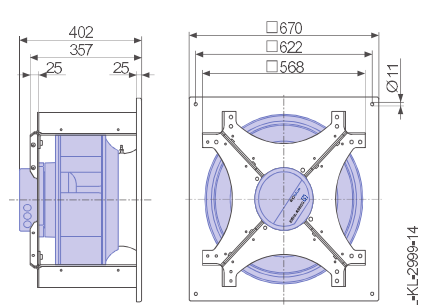
➤ Inlet ring	00275572	Page 450
➤ Connection diagram	1360-401	Page 548
➤ System components		Page 448

Dimensions [mm]

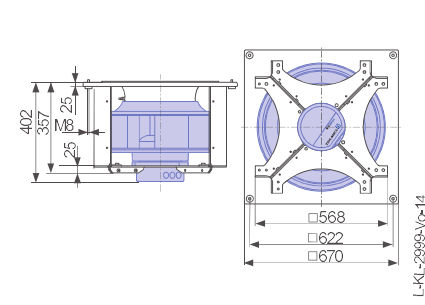
Free-running motor impeller RH
in installation position H/Vu/Vo



Ventilation unit GR in installation position H



Ventilation unit GR in installation position Vo

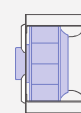
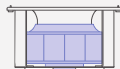


Performance data

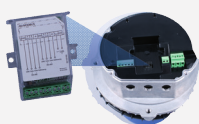
Type	Characteristic curve	Speed	Operating point	Current	Motor input power	Suction side sound power level
		n [min ⁻¹]		I [A]	P _{sys} [W]	L _{WA5} [dB]
_50V-ZIK.GG.1R	I	1800	①	1.95	1200	85
		1800	②	4.00	2600	80
		1800	③	2.90	1850	86
	II	1550	④	1.35	780	81
		1550	⑤	2.70	1700	76
		1550	⑥	1.95	1200	82
	III	1300	⑦	0.96	480	76
		1300	⑧	1.70	1000	72
		1300	⑨	1.30	720	78
	IV	1050	⑩	0.70	270	70
		1050	⑪	1.10	540	67
		1050	⑫	0.88	390	74
	V	800	⑬	0.42	140	63
		800	⑭	0.70	260	62
		800	⑮	0.52	200	69

Current values determined at 400V

Fan ordering information

Design	RH*	GR**	GR**	GR**
Installation position	H/Vu/Vo	H	Vo	Vu
				
Type	RH50V-ZIK.GG.1R	GR50V-ZIK.GG.1R	GR50V-ZIK.GG.1R	GR50V-ZIK.GG.1R
Basic electronics				
Article no.	113934	114966/H01	114966/O01	114966/U01
Premium electronics				
Article no.	113935			
Weight [kg]	20.00	47.00	41.00	41.00
* 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

