

Cpro-ECblue

for single phase alternating current, 200-277 V

RH31C-6IK



Description

Motor technology: EC

Rated voltage U: 1~200-277 V*

Rated frequency f: 50/60 Hz*

Motor input power P : 0.48 kW

Rated current I: 2.50-1.80 A*

Rated speed n: 2020 min⁻¹

Rated speed n: 2020 MIN⁻¹
Thermal class: THCL155*

Min. permitted ambient temperature t_a : -20 °C

Max. permitted ambient temperature t_{a} at n : 55 °C

Electrical connection: Integrated controller with attached cable

Number of blades : 7

Balancing quality: G 6.3

Protection class: IP54

Motor protection: Integrated active temperature management

Impeller : ZAmid, uncoated, Ultramarine blue

Conformity: ErP 2015, CE

ErP-data

Efficiency η_{total} : 60.6 %

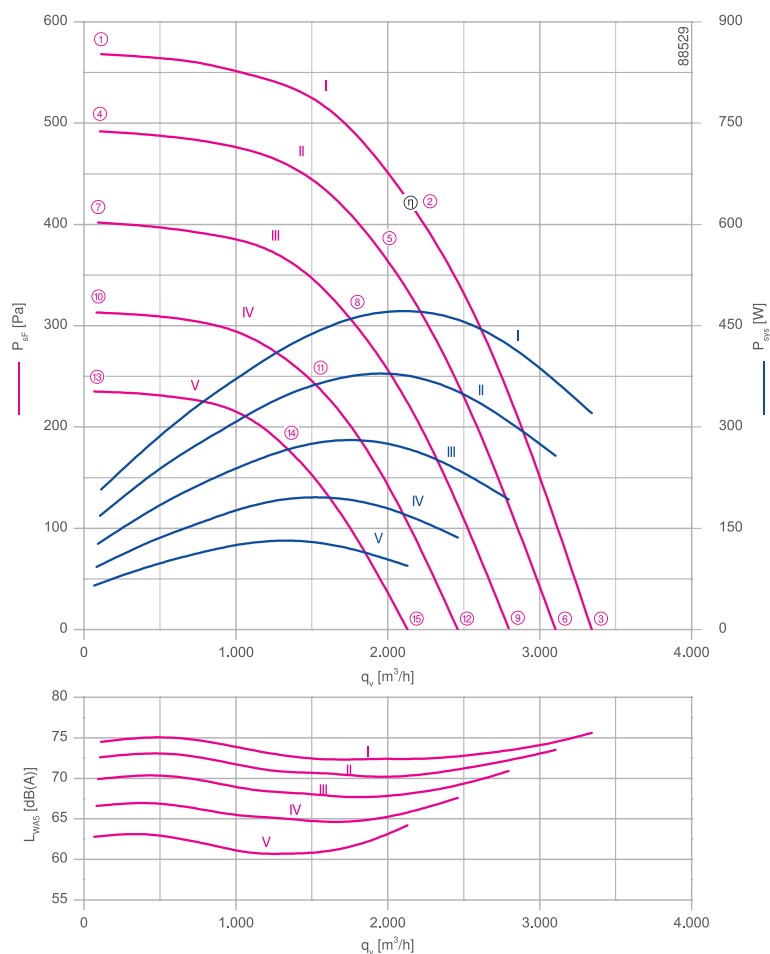
Efficiency: $N_{\text{actual}} = 74.5 / N_{\text{target}} = 62^{**}$

EC controller integrated

*Rated data

**ErP 2015

Characteristic curve

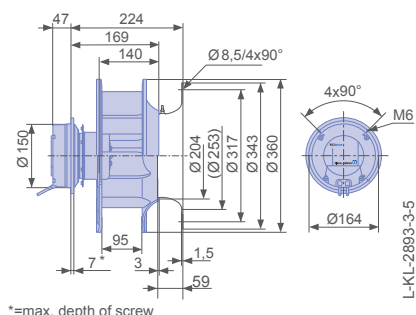


measured with inlet ring, without guard grille according to ISO 5801

	Inlet ring	00401506	Page 450
	Connection diagram	KT00044A	Page 547
	Rubber dampers	30x30 / 40	Page 454
	Sping vibration dampers	MSN 3	Page 454
	System components		Page 448

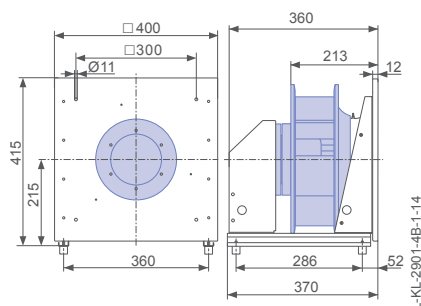
Dimensions [mm]

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

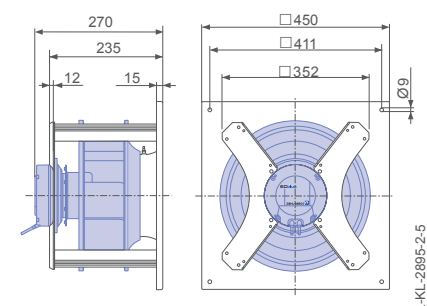


*=max. depth of screw

Plug fan ER in installation position H



Ventilation unit GR in installation position H

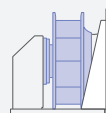
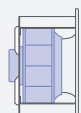
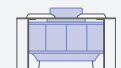


Performance data

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]
_31C-6IK.BF.CR	I	2020	①	1.00	210	75
		2020	②	2.20	480	72
		2020	③	1.50	320	76
	II	1880	④	0.82	170	73
		1880	⑤	1.75	380	70
		1880	⑥	1.20	260	74
	III	1700	⑦	0.64	130	70
		1700	⑧	1.35	280	68
		1700	⑨	0.94	190	71
	IV	1500	⑩	0.48	95	67
		1500	⑪	0.94	200	65
		1500	⑫	0.68	140	68
	V	1300	⑬	0.36	65	63
		1300	⑭	0.66	130	61
		1300	⑮	0.48	95	64

Current values determined at 230V

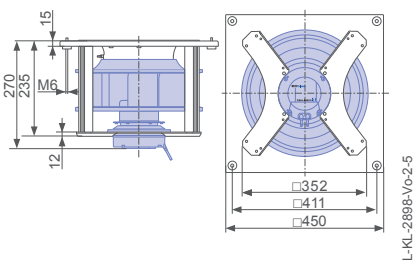
Fan ordering information

Design	RH*	ER**	GR**	GR**	GR**
Installation position	H/Vu/Vo	H	H	Vo	Vu
					
Type	RH31C-6IK.BF.CR	ER31C-6IK.BF.CR	GR31C-6IK.BF.CR	GR31C-6IK.BF.CR	GR31C-6IK.BF.CR
Basic electronics					
Article no.	114476	114576/A01	114528/H01	114528/O01	114528/U01
Weight [kg]	6.30	14.00	13.00	13.00	13.00
* 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 Vo



Ventilation unit GR in installation position Vu

