

P-series

for single phase alternating current, 4 pole

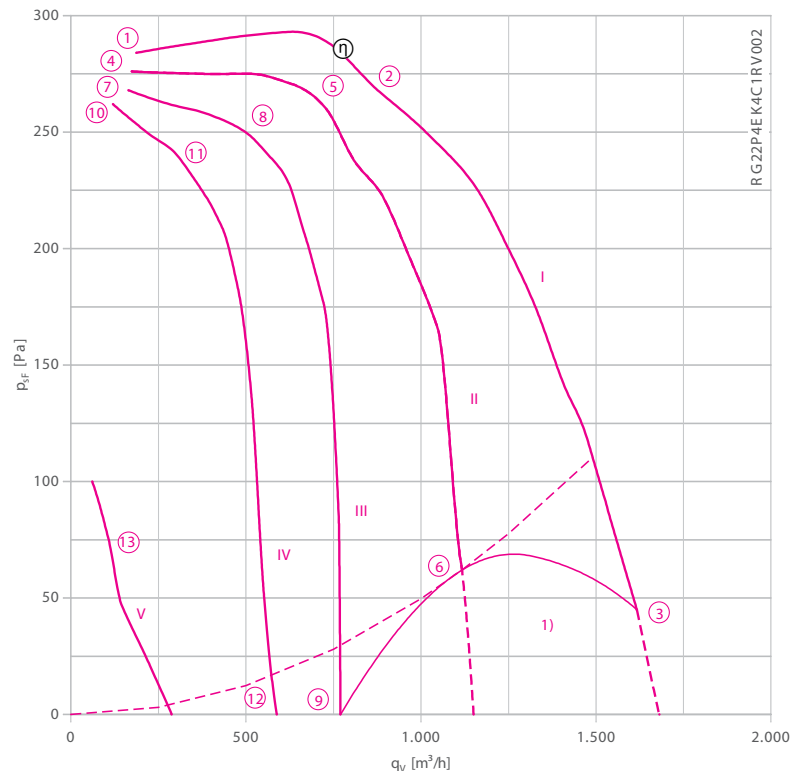
RG22P-4E



Description

Motor technology: AC
Rated voltage U_N : 1~ 230 V $\pm$ 10 %*
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 0.51 kW*
Rated current I_N : 2.30 A*
Rated speed n_N : 1250 min⁻¹*
Starting current I_A : 4.20 A
Service capacitor C_{400V} : 8.0 μ F
Dynamic pressure: $p_{d2} = 2.9 \cdot 10^{-5} \cdot q_v^2$ [Pa]
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -20 °C
Max. permitted ambient temperature $t_{R(max)}$: 40 °C
Minimum pressing $p_{sF(min)}$: 50 Pa
Protection class: IP54
Motor protection: Thermal contact
Impeller : Galvanised sheet metal, uncoated
Motor: 1 coat paint, pebble grey
Conformity: ErP 2013, CE
ErP-data
Efficiency η_{statA} : 27.7 %
Efficiency: $N_{actual} = 37.4 / N_{target} = 37^{**}$
* Rated data
**ErP 2013

Characteristic curve



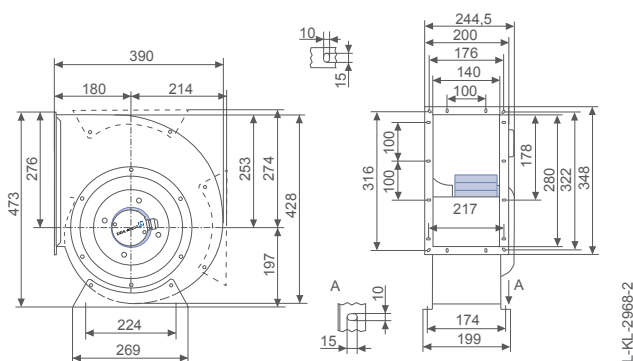
- Connection diagram
- System components

1360-104XA

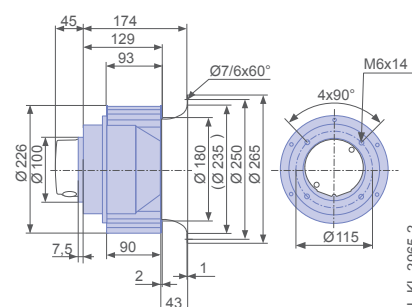
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Dimensions [mm]

Fan with housing, single inlet



Motorised impeller



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P _i [W]	n [min ⁻¹]	L _{WAS} [dB]
RG22P-4EK.4C.1R	I	230	①	1.05	175	1460	
		230	②	1.40	290	1400	76
		230*	③	2.30*	510*	1250*	79
	II	160	④	0.71	115	1450	
		160	⑤	1.20	185	1340	72
		160	⑥	2.20	330	910	73
	III	130	⑦	0.69	91	1410	
		130	⑧	1.15	145	1310	61
		130	⑨	2.10	240	600	63
	IV	105	⑩	0.70	74	1380	
		105	⑪	0.95	97	1290	52
		105	⑫	1.75	155	410	55
	V	60	⑬	0.90	48	800	

*rated data

Fan ordering information

Design	RG	RE
Installation position	H	H/Vu/Vo
Electrical connection	Terminal box Mounted on motor.	Terminal box
		
Type	RG22P-4EK.4C.1R	RE22P-4EK.4C.1R
Article no.	112983	112974
Weight [kg]	12.00	5.80

Control technology

Frequency inverter Fcontrol 1~  ➤ Page 296	Motor protection units 1~  ➤ Page 344	Transformer-based controllers 1~  ➤ Page 334	Electronic voltage controllers 1~  ➤ Page 310
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Used housing

