

P-series

for single phase alternating current, 4 pole

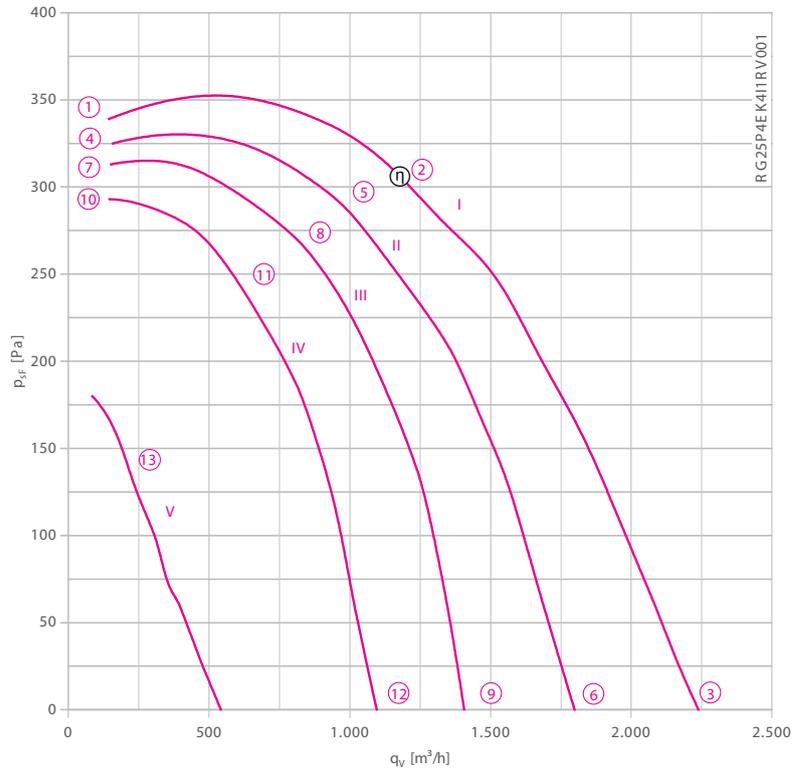
RG25P-4E



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 : 0.78 kW*
 Rated current I_N : 3.40 A*
 Rated speed n_N : 1230 min⁻¹*
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 14 \cdot 0 μ F
 Thermal class: **THCL155***
 Min. permitted ambient temperature $t_{R(min)}$: -20 °C
 Max. permitted ambient temperature $t_{R(max)}$: 50 °C
 Protection class: IP54
 Motor protection: Thermal contact
 Impeller : Galvanised sheet metal, uncoated
 Motor: 1 coat paint, pebble grey
 * Rated data

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

- Connection diagram
- System components

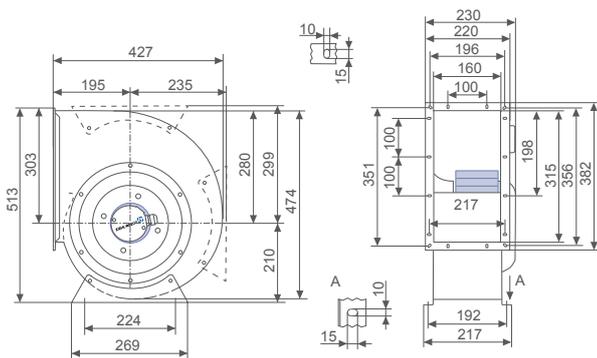
1360-104XA

Page 367

Page 262

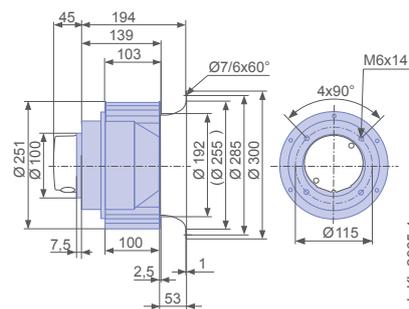
Dimensions [mm]

Fan with housing, single inlet



L-KL-2968-4

Motorised impeller



L-KL-2965-4

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 _{WAS} [dB]
RG25P-4EK.4I.1R	I	230	①	1.90	320	1450	
		230	②	2.40	460	1390	80
		230*	③	3.40*	780*	1230*	83
	II	160	④	1.30	200	1430	
		160	⑤	2.00	320	1310	78
		160	⑥	3.70	580	1000	78
	III	130	⑦	1.25	155	1400	
		130	⑧	1.95	250	1270	77
		130	⑨	3.50	430	780	71
	IV	105	⑩	1.20	125	1350	
		105	⑪	1.80	185	1210	76
		105	⑫	3.10	310	610	64
	V	60	⑬	1.50	86	940	

*rated data

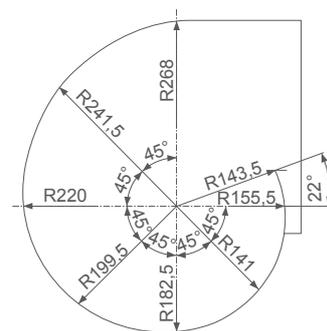
Fan ordering information

Design	RG	RE
Installation position	H	H/Vu/Vo
Electrical connection	Terminal box Mounted on motor.	Terminal box
		
Type	RG25P-4EK.4I.1R	RE25P-4EK.4I.1R
Article no.	112987	112978
Weight [kg]	16.50	9.10

Control technology

<p>Frequency inverter Control 1~</p>  <p>➤ Page 296</p>	<p>Motor protection units 1~</p>  <p>➤ Page 344</p>	<p>Transformer-based controllers 1~</p>  <p>➤ Page 334</p>	<p>Electronic voltage controllers 1~</p>  <p>➤ Page 310</p>
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Used housing



L-KL-2949-3