

P-series

for single phase alternating current, 4 pole

RG28P-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 : 1.15 kW*

Rated current I_N : **5.10 A***

Rated speed n_N : **1210 min⁻¹***

Starting current $I_A: 9.00 \text{ A}$ Service capacitor C_{400V} : $16.0 \mu F$

Thermal class: **THCL155***

Min. permitted ambient temperature $t_{p(min)}$: -20 °C

Max. permitted ambient temperature

Minimum pressing $p_{SF(min)}$: 130 Pa

Protection class: IP54

Motor protection: Thermal contact

Impeller : Galvanised sheet metal, uncoated

Motor: 1 coat paint, pebble grey

Housing: Housing unpainted

Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 34.9 %

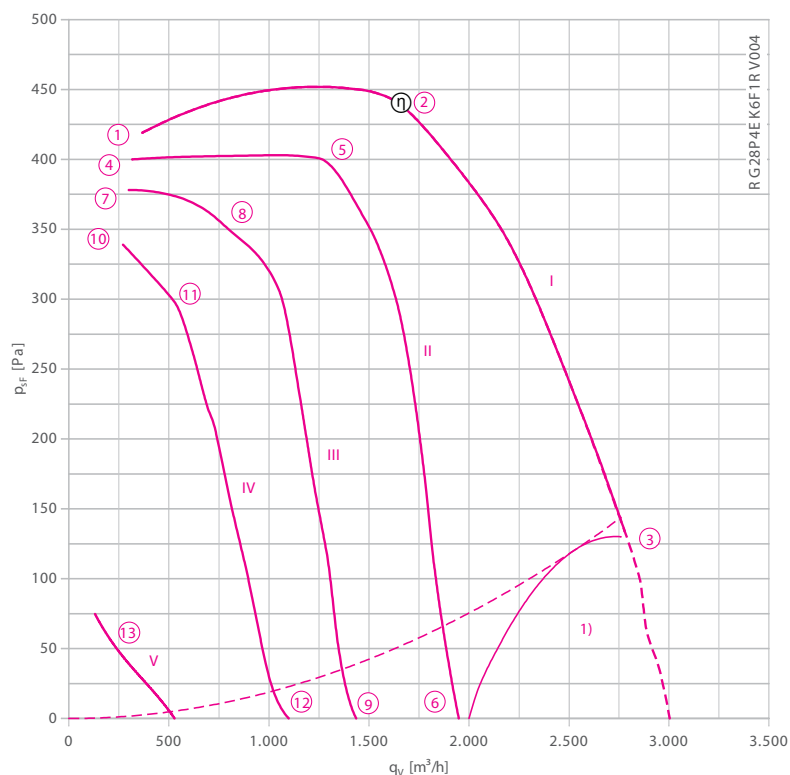
Efficiency: $N_{\text{actual}} = 44.2 / N_{\text{target}} = 44^{**}$

Frequency inverter required

* Rated data

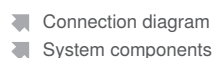
ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area



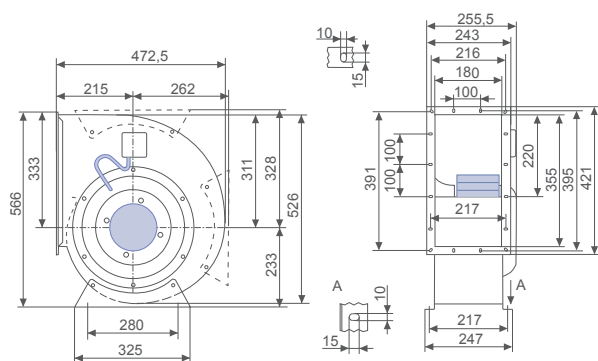
1360-104XA

Page 367

Page 262

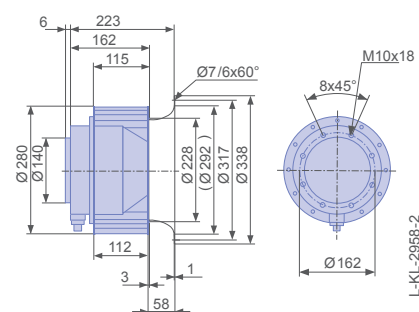
Dimensions [mm]

Fan with housing, single inlet



- KL-2956-5

Motorised impeller



- KI -2958-2

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 _{WA5} [dB]
RG28P-4EK.6F.1R	I	230	①	2.40	420		
		230	②	3.40	700	81	
		230*	③	5.10*	1150*	83*	
	II	160	④	1.00	300		
		160	⑤	3.00	460	75	
		160	⑥	5.10	760	72	
	III	130	⑦	1.90	250		
		130	⑧	2.70	330	69	
		130	⑨	4.50	490	65	
	IV	105	⑩	1.95	200		
		105	⑪	2.50	240	62	
		105	⑫	3.60	310	57	
	V	60	⑬	2.00	93		

*rated data

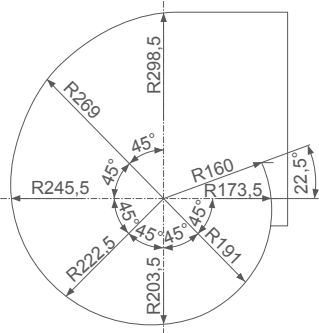
Fan ordering information

Design	RG	RE
Installation position	H	H/Vu/Vo
Electrical connection	Terminal box fixed on housing.	Supply cable lateral 105cm
		
Type	RG28P-4EK.6F.1R	RE28P-4EK.6F.1R
Article no.	210237	209614
Weight [kg]	26.30	14.30

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
--	---	--	--

Used housing



L-KL-2949-4