

P-series

for three phase alternating current, 4 pole

RG28P-4D



Description

Motor technology: AC

Rated voltage U_N : 3~230/400 V (Δ/Y) $\pm 10\%$ *

Rated frequency f_N : **50 Hz*** (60Hz data available)

Motor input power P_i : **1.50 kW***

Rated current I_N : 4.40/2.60 A*

Rated speed n_n : 1310 min⁻¹*

Dynamic pressure: $p_{d2} = 1.1 \cdot 10^{-5} \cdot q_v^2$ [Pa]

Thermal class: **THCL155***

Min. permitted ambient temperature $t_{R(min)}$: -20 °C
Max. permitted ambient temperature $t_{R(max)}$: 40 °C

Minimum pressing $p_{sF(min)}$: 30 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

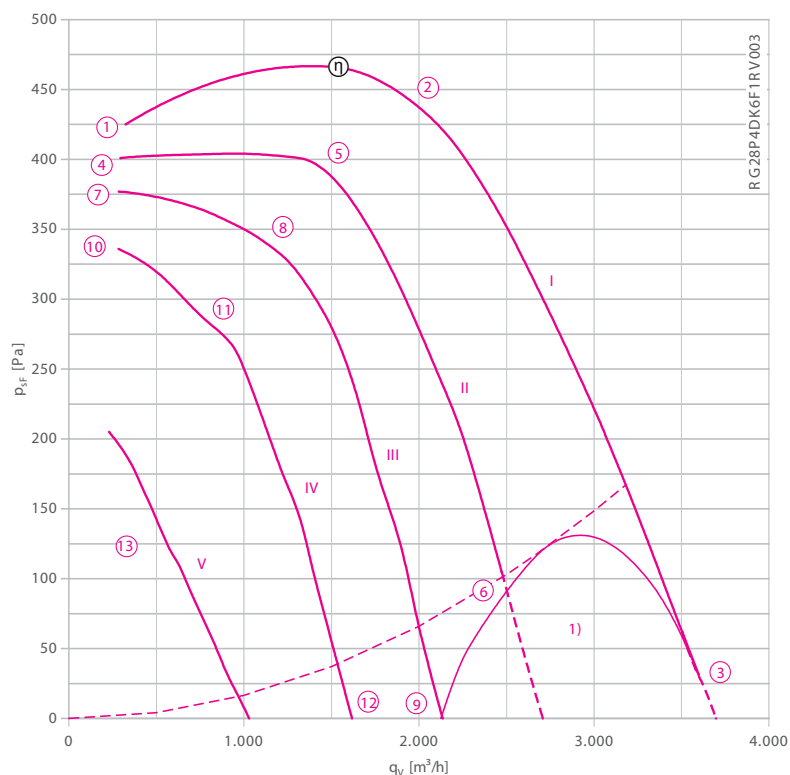
Efficiency η_{statA} : 39.2 %

Efficiency: $N_{\text{actual}} = 47.1 / N_{\text{target}} = 44^{**}$

* Rated data

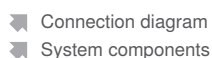
**ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area



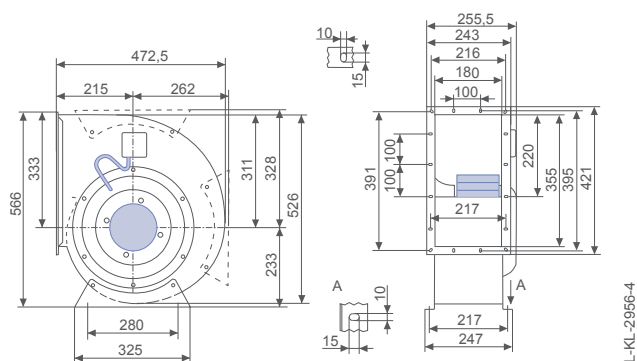
1360-106XA

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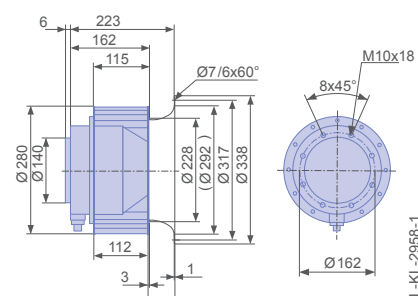
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Dimensions [mm]

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]
RG28P-4DK.6F.1R	I	400	①	1.40	300	1480	
		400	②	1.75	720	1420	82
		400*	③	2.60*	1500*	1310*	88
	II	230	④	0.84	220	1440	
		230	⑤	1.40	470	1340	79
		230	⑥	2.60	950	1060	80
	III	180	⑦	0.84	210	1390	
		180	⑧	1.55	420	1230	75
		180	⑨	2.60	710	810	75
	IV	140	⑩	0.95	190	1330	
		140	⑪	1.55	330	1120	69
		140	⑫	2.50	470	600	69
	V	90	⑬	1.35	170	850	

*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-4DK.6F.1R	RE28P-4DK.6F.1R
Article no.	210195	152814
Weight [kg]	26.30	14.30

Control technology

Frequency inverter Fcontrol 3~  ➤ Page 302	Motor protection units 3~  ➤ Page 344	Transformer-based controllers 3~  ➤ Page 334	Electronic voltage controllers 3~  ➤ Page 324
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Used housing

