

S-series

for three phase alternating current, 4 pole

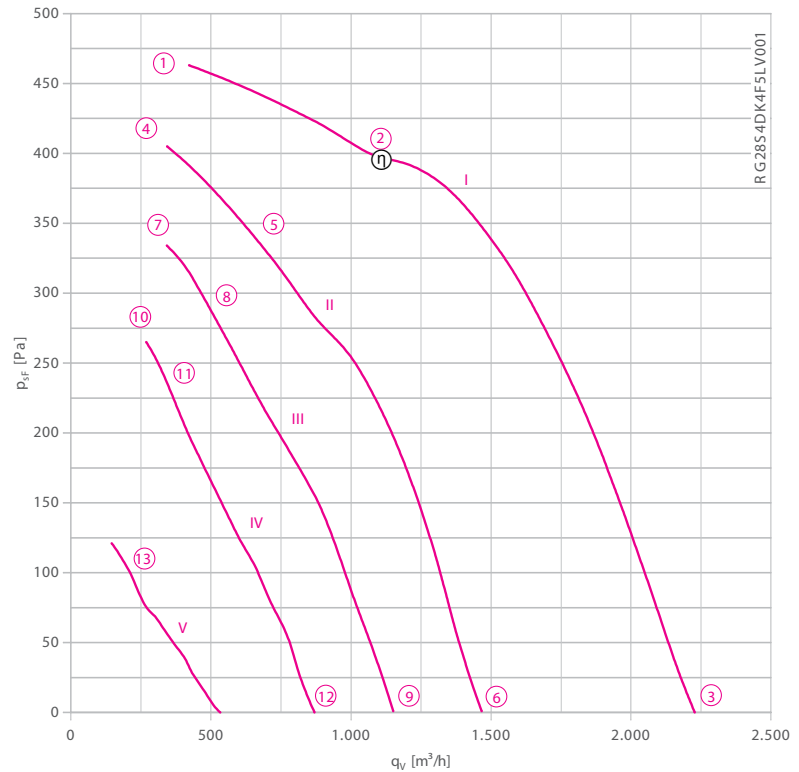
RG28S-4D



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_1 : 0.79 kW*
Rated current I_N : 2.50/1.45 A*
Rated speed n_N : 1160 min⁻¹*
Starting current I_A : 6.00 A / 3.40 A
Dynamic pressure: $p_{d2} = 5.7 \cdot 10^{-5} \cdot q_v^2$ [Pa]
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -20 °C
Max. permitted ambient temperature $t_{R(max)}$: 40 °C
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} : 36.6 %
Efficiency: $N_{actual} = 45.2 / N_{target} = 44$ **
* Rated data
**ErP 2015

Characteristic curve



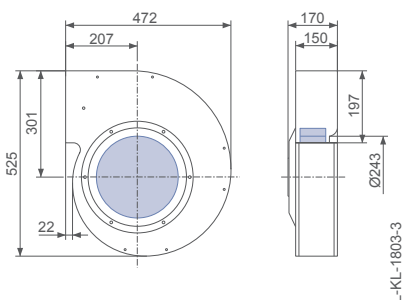
Measured in housing from ZIEHL-ABEGG.

- Connection diagram
- System components

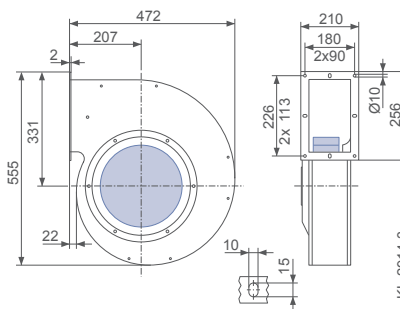
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Dimensions [mm]

Fan with housing, single inlet, without flange



Fan with housing, single inlet, with flange



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]
RG28S-4DK.4F.5L	I	400	①	0.73	210	1440	
		400	②	0.96	450	1340	78
		400*	③	1.45*	790*	1160*	81
	II	230	④	0.52	150	1350	
		230	⑤	0.72	230	1230	76
		230	⑥	1.25	390	770	71
	III	180	⑦	0.55	135	1240	
		180	⑧	0.60	150	1200	
		180	⑨	1.05	250	610	
	IV	140	⑩	0.55	105	1100	
		140	⑪	0.58	115	1070	
		140	⑫	0.87	155	470	
	V	90	⑬	0.56	70	910	

*rated data

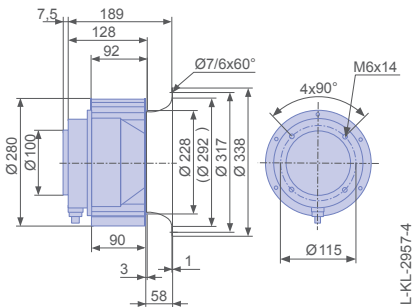
Fan ordering information

Design	RG (without flange)	RG (with flange)	RE
Installation position	H	H	H/Vu/Vo
Electrical connection	Supply cable lateral 105cm	Supply cable lateral 105cm	Supply cable lateral 105cm
			
Type	RG28S-4DK.4F.5L	RG28S-4DK.4F.5L	RE28P-4DK.4F.5L
Article no.	210506	122298	210505
Weight [kg]	14.20	15.00	7.70

Control technology

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Motorised impeller



Used housing

