

S-series

for single phase alternating current, 4 pole

RG35S-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 : 1.75 kW*
Rated current I_N : 8.00 A*
Rated speed n_N : 1160 min⁻¹*
Service capacitor C_{400V} : 30.0 μ F
Dynamic pressure: $p_{d2} = 3.1 \cdot 10^{-5} \cdot q_v^2$ [Pa]
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -20 °C
Max. permitted ambient temperature $t_{R(max)}$: 40 °C
Minimum pressing $p_{SF(min)}$: 350 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

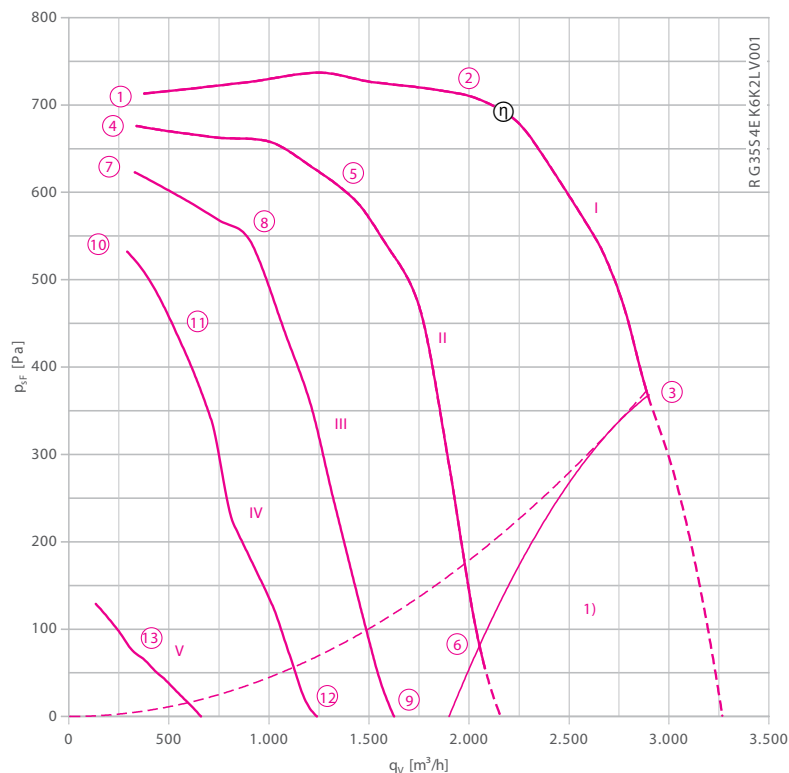
ErP-data

Efficiency η_{statA} : 37.5 %
Efficiency: $N_{actual} = 45.0 / N_{target} = 44$ **
Frequency inverter required

* Rated data

**ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

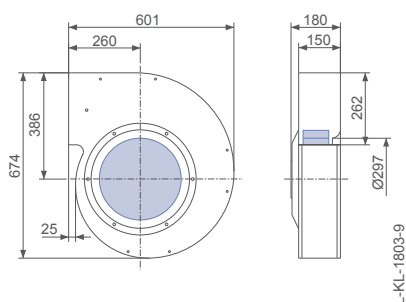
1) Do not operate in this area

- Connection diagram
- System components

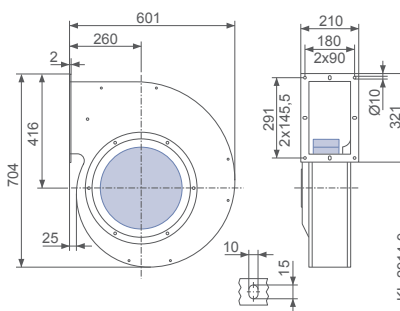
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Dimensions [mm]

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]
RG35S-4EK.6K.2L	I	230	①	3.30	760	1450	
		230	②	5.60	1290	1340	87
		230*	③	8.00*	1770*	1160*	86
	II	160	④	3.50	550	1410	
		160	⑤	5.20	830	1260	86
		160	⑥	8.00	1180	750	76
	III	130	⑦	3.50	470	1360	
		130	⑧	4.50	580	1220	85
		130	⑨	6.90	800	470	69
	IV	105	⑩	3.60	370	1240	
		105	⑪	4.20	420	1090	82
		105	⑫	5.70	520	360	
	V	60	⑬	3.00	160	430	

*rated data

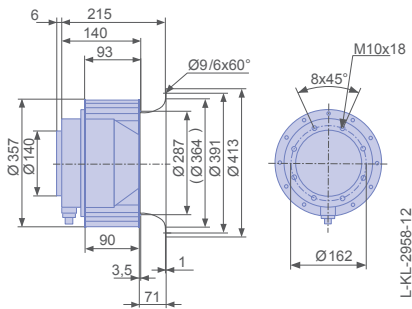
Fan ordering information

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	RG35S-4EK.6K.2L	RG35S-4EK.6K.2L	RE35P-4EK.6K.2L
Article no.	208915	209340	208914
Weight [kg]	32.30	32.90	18.70

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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Motorised impeller



Used housing

