

S-series

for single phase alternating current, 4 pole

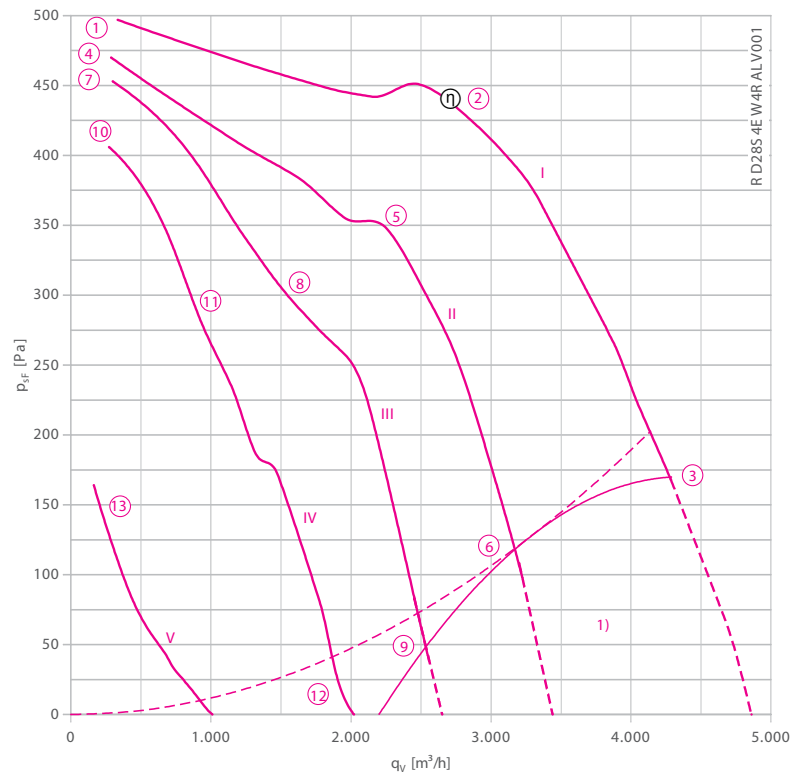
RD28S-4E



Description

Motor technology: AC
Rated voltage U_N : 1~ 230 V $\pm$ 10 %*
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 1.50 kW*
Rated current I_N : 6.70 A*
Rated speed n_N : 1150 min⁻¹*
Starting current I_A : 12.00 A
Service capacitor C_{400V} : 25.0 μ F
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -20 °C
Max. permitted ambient temperature $t_{R(max)}$: 40 °C
Minimum pressing $p_{SF(min)}$: 170 Pa
Protection class: IP54
Motor protection: thermal contact
Impeller : Impeller made of galvanised sheet metal,
Motor: 1 coat paint, pebble grey
Conformity: ErP 2013, CE
ErP-data
Efficiency η_{statA} : 32.1 %
Efficiency: $N_{actual} = 38.4 / N_{target} = 37$ **
* Rated data
**ErP 2013

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area

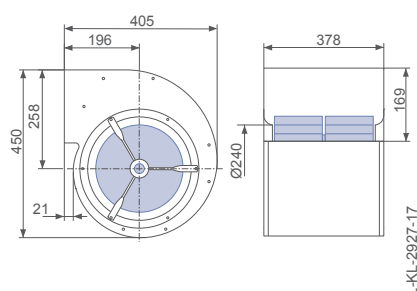
- Connection diagram
- System components

1360-104XB

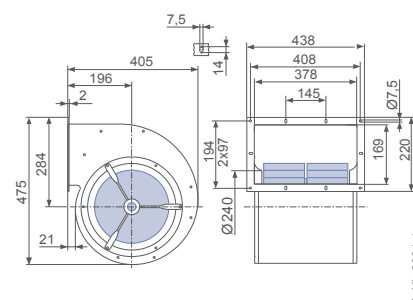
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Dimensions [mm]

Fan with housing, double inlet
without flange



Fan with housing, double inlet
with flange

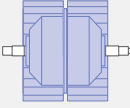


Performance data

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]
RD28S-4EW.4R.AL	I	230	①	2.70	560	1430	
		230	②	5.20	1150	1290	79
		230*	③	6.70*	1500*	1150*	81
	II	160	④	2.40	390	1390	
		160	⑤	4.90	770	1180	75
		160	⑥	6.70	1050	890	74
	III	130	⑦	2.50	320	1360	
		130	⑧	4.50	570	1120	74
		130	⑨	6.60	820	700	67
	IV	105	⑩	2.60	270	1280	
		105	⑪	3.80	390	1070	66
		105	⑫	5.80	580	430	60
	V	60	⑬	3.10	180	700	

*rated data

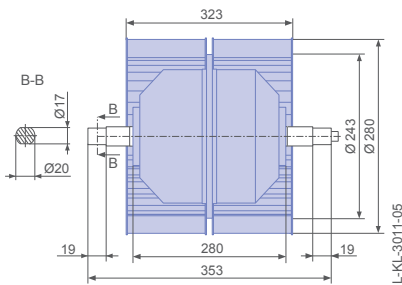
Fan ordering information

Design	RD (without flange)	RD (with flange)	RZ
Installation position	H	H	H
Electrical connection	Connecting cable axial 110 cm from axle end	Connecting cable axial 110 cm from axle end	Connecting cable axial 110 cm from axle end
			
Type	RD28S-4EW.4R.AL	RD28S-4EW.4R.AL	RZ28S-4EW.4R.2L
Article no.	207998	208408	209720
Weight [kg]	24.90	25.60	18.10

Control technology

Frequency inverter Control 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

