

S-series

for three phase alternating current, 4 pole

RD28S-4D



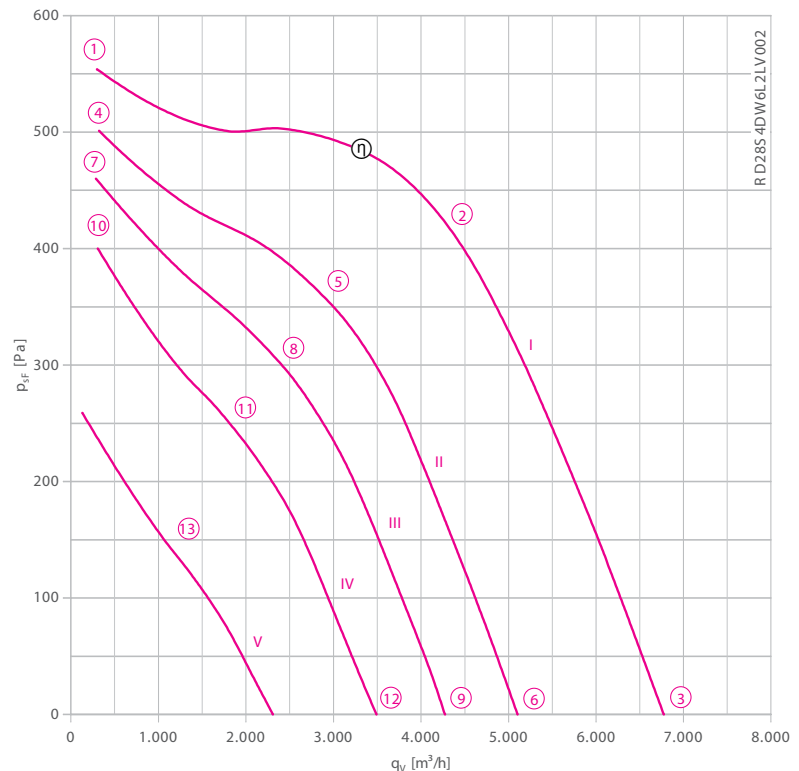
Description

Motor technology: AC
Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
Rated frequency f_N : 50 Hz* (60Hz data available)
Motor input power P_1 : 2.20 kW*
Rated current I_N : 6.80/3.90 A*
Rated speed n_N : 1230 min⁻¹*
Starting current I_A : 24.00 A / 13.00 A
Current increase ΔI : 0 %
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -20 °C
Max. permitted ambient temperature $t_{R(max)}$: 70 °C
Protection class: IP54
Motor protection: thermal contact
Impeller : Impeller made of galvanised sheet metal,
Motor: 1 coat paint, pebble grey
Conformity: ErP 2015, CE

ErP-data

Efficiency η_{statA} : 42.4 %
Efficiency: $N_{actual} = 48.5 / N_{target} = 44$ **
* Rated data
**ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

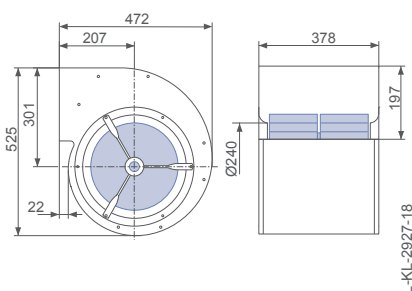
- Connection diagram
- System components

1360-106XB

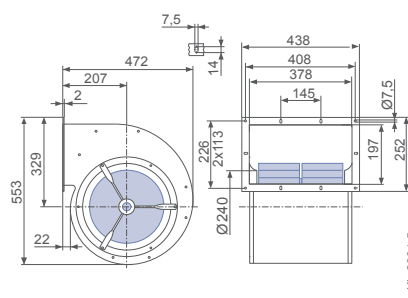
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Dimensions [mm]

Fan with housing, double inlet
without flange



Fan with housing, double inlet
with flange

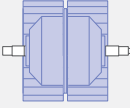


Performance data

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-4DW.6L.2L	I	400	①	2.10	470	1460	
		400	②	2.90	1320	1350	81
		400*	③	3.90*	2200*	1230*	88
	II	230	④	1.30	340	1390	
		230	⑤	2.40	810	1180	77
		230	⑥	3.60	1280	940	81
	III	180	⑦	1.25	300	1330	
		180	⑧	2.30	620	1080	74
		180	⑨	3.20	880	830	75
	IV	140	⑩	1.30	260	1240	
		140	⑪	2.20	460	960	70
		140	⑫	3.00	640	640	71
	V	90	⑬	1.85	250	690	

*rated data

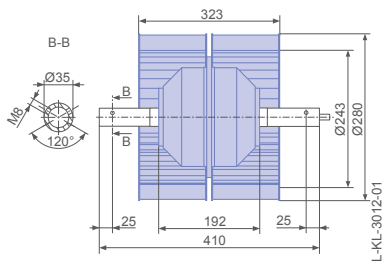
Fan ordering information

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-4DW.6L.2L	RD28S-4DW.6L.2L/ WINK	RZ28S-4DW.6L.2L
Article no.	208431	208432	208430
Weight [kg]	30.80	31.60	0.00

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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Motorised impeller



Used housing

