

S-series

for three phase alternating current, 4 pole

RD35S-4D



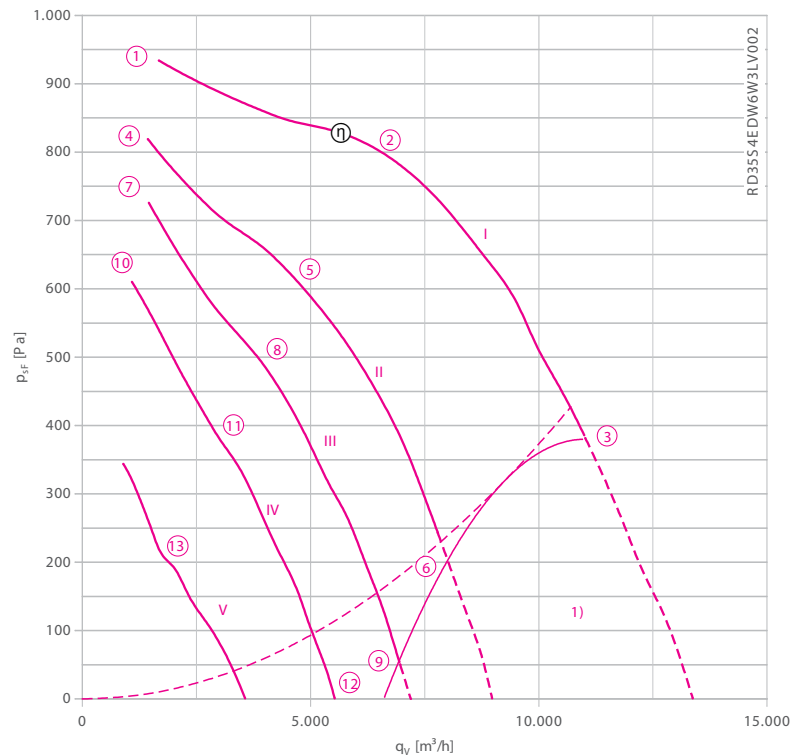
Description

Motor technology: AC
Rated voltage U_N : 3~ 400 V (Δ) $\pm 10\%$ *
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 5.50 kW*
Rated current I_N : 8.70 A*
Rated speed n_N : 1240 min⁻¹*
Thermal class: THCL155*
Min. permitted ambient temperature $t_{R(min)}$: -20 °C
Max. permitted ambient temperature $t_{R(max)}$: 4 °C
Minimum pressing $p_{SF(min)}$: 380 Pa
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} : 49.5 %
Efficiency: $N_{actual} = 53.1 / N_{target} = 44$ **
* Rated data
**ErP 2015

Characteristic curve



Measured in scroll from ZIEHL-ABEGG.

1) Do not operate in this area

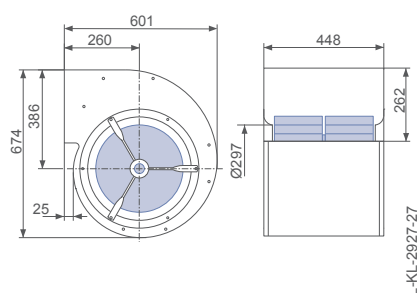
- Connection diagram
- System components

1360-106XB

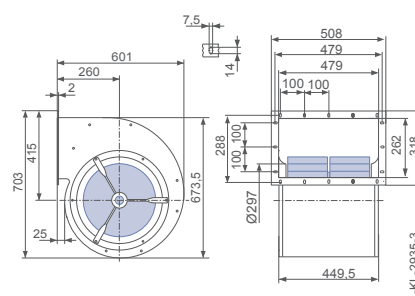
Page 367
Page 262

Dimensions [mm]

Fan with housing, double inlet
without flange



Fan with scroll, double inlet
with flange



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]
RD35S-4DW.6W.3L	I	400	①	3.10	1200	1450	
		400	②	5.60	3300	1350	91
		400*	③	8.70*	5500*	1240*	96
	II	230	④	2.90	1000	1370	
		230	⑤	5.00	1790	1240	86
		230	⑥	8.70	3100	930	86
	III	180	⑦	3.20	900	1290	
		180	⑧	5.60	1600	1060	83
		180	⑨	8.40	2300	730	80
	IV	140	⑩	3.50	770	1180	
		140	⑪	5.10	1100	970	77
		140	⑫	7.70	1580	490	82
V	90	⑬	4.50	600	660		

Design	RD (without flange)	RD (with flange)	RZ
Installation position	H	H	H
Electrical connection	Connecting cable axial 115 cm from axle end	Connecting cable axial 115 cm from axle end	Connecting cable axial 115 cm from axle end
Type	RD35S-4DW.6W.3L	RD35S-4DW.6W.3L	RZ35P-4DW.6W.3L
Article no.	109616	122297	109617
Weight [kg]	64.30	65.40	48.00

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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