

P-series

for three phase alternating current, 4 pole

RD35P-4D



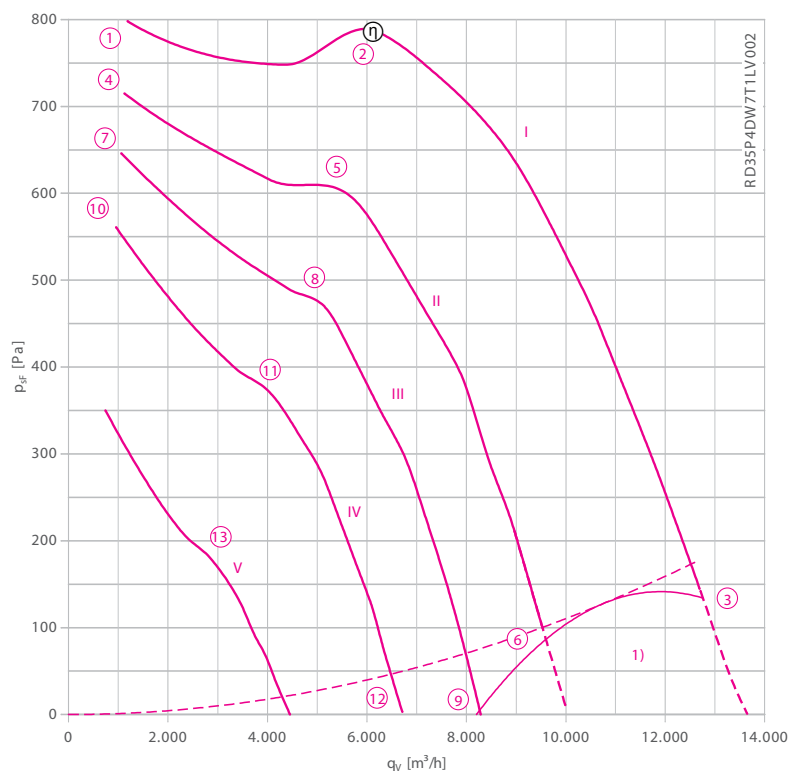
Description

Motor technology: AC
Rated voltage U_N : 3~ 230/400 V (Δ/Y) $\pm 10\%$ *
Rated frequency f_N : 50 Hz *
Motor input power P_i : 7.30 kW *
Rated current I_N : 20.00/11.50 A *
Rated speed n_N : 1220 min⁻¹ *
Thermal class: THCL155 *
Min. permitted ambient temperature $t_{R(min)}$: -20 °C
Max. permitted ambient temperature $t_{R(max)}$: 40 °C
Minimum pressing $p_{SF(min)}$: 130 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} : 41.0 %
Efficiency: $N_{actual} = 44.0 / N_{target} = 44\%$ **
* Rated data
**ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area

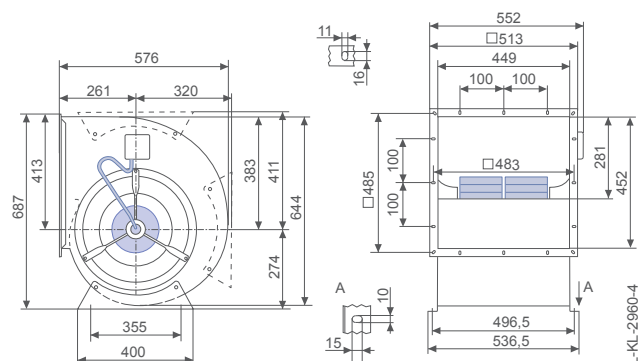
- Connection diagram
- System components

1360-106XB

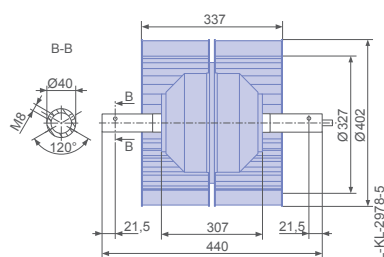
Page 367
Page 262

Dimensions [mm]

Fan with housing, double inlet



Motorised impeller

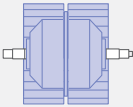


Performance data

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]
RD35P-4DW.7T.1L	I	400	①	4.90	1700	1460	
		400	②	6.70	3400	1390	88
		400*	③	11.50*	7300*	1220*	97
	II	230	④	4.10	1300	1380	
		230	⑤	7.60	2800	1220	86
		230	⑥	11.50	4500	940	90
	III	180	⑦	4.40	1200	1320	
		180	⑧	7.90	2300	1090	83
		180	⑨	11.50	3500	730	86
	IV	140	⑩	4.80	1050	1220	
		140	⑪	7.60	1700	970	79
		140	⑫	11.00	2400	600	80
	V	90	⑬	6.70	940	690	72

*rated data

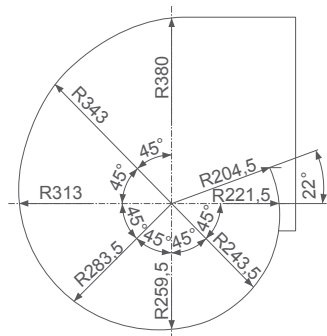
Fan ordering information

Design	RD	RZ
Installation position	H	H
Electrical connection	Terminal box fixed on housing	Connecting cable axial 115 cm from axle end
		
Type	RD35P-4DW.7T.1L	RZ35P-4DW.7T.1L
Article no.	210156	210155
Weight [kg]	69.60	50.20
* Inlet ring not included		

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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Used housing



L-KL-2949-14