

P-series

for three phase alternating current, 4 pole

RD25P-4D



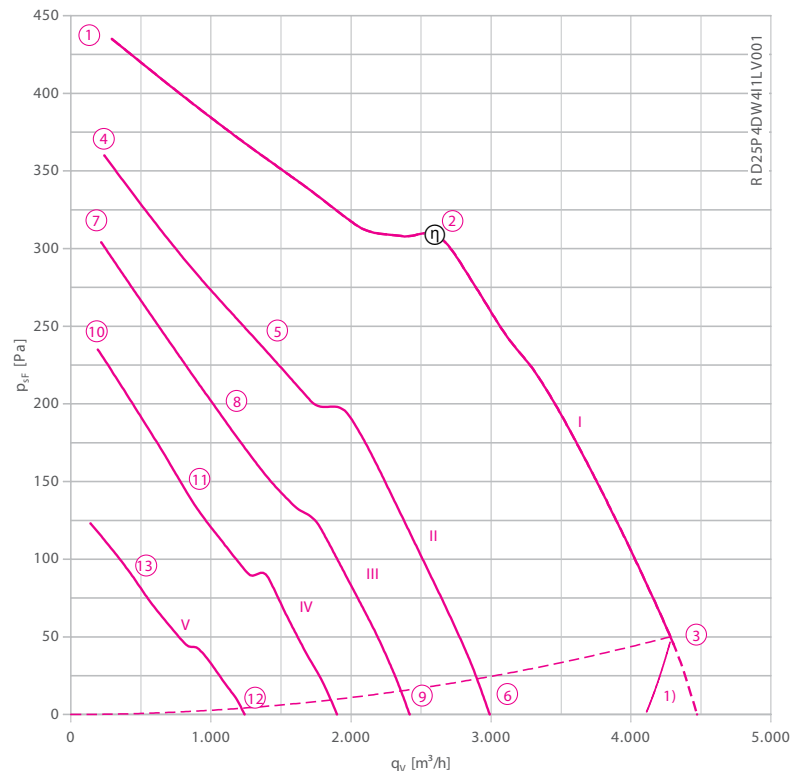
Description

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 : 1.25 kW*
Rated current I_N : 3.60/2.10 A*
Rated speed n_N : 1030 min⁻¹*
Starting current I_A : 6.50 A / 3.80 A
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -20 °C
Max. permitted ambient temperature $t_{R(max)}$: 40 °C
Minimum pressing $p_{SF(min)}$: 50 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} : 32.5 %
Efficiency: $\eta_{actual} = 40.7 / \eta_{target} = 37$ **
* Rated data
**ErP 2013

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area

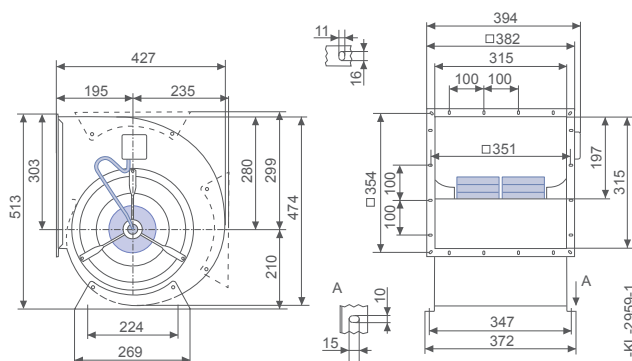
- Connection diagram
- System components

1360-106XB

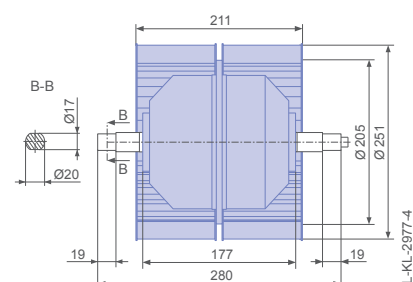
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Dimensions [mm]

Fan with housing, double inlet



Motorised impeller

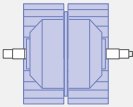


Performance data

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]
RD25P-4DW.4I.1L	I	400	①	1.05	310	1410	
		400	②	1.40	710	1260	75
		400*	③	2.10*	1250*	1030*	82
	II	230	④	0.74	220	1290	
		230	⑤	1.05	350	1120	72
		230	⑥	1.75	610	680	73
	III	180	⑦	0.73	185	1190	
		180	⑧	0.99	260	1000	69
		180	⑨	1.50	410	560	67
	IV	140	⑩	0.72	150	1050	
		140	⑪	0.91	190	850	65
		140	⑫	1.25	270	450	61
	V	90	⑬	0.73	100	630	

*rated data

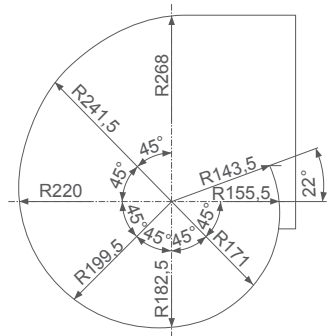
Fan ordering information

Design	RD	RZ
Installation position	H	H
Electrical connection	Terminal box fixed on housing	Connecting cable axial 110 cm from axle end
		
Type	RD25P-4DW.4I.1L	RZ25P-4DW.4I.1L
Article no.	209639A	209638A
Weight [kg]	20.70	11.10
* 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-2949-11