

P-series

for single phase alternating current, 4 pole

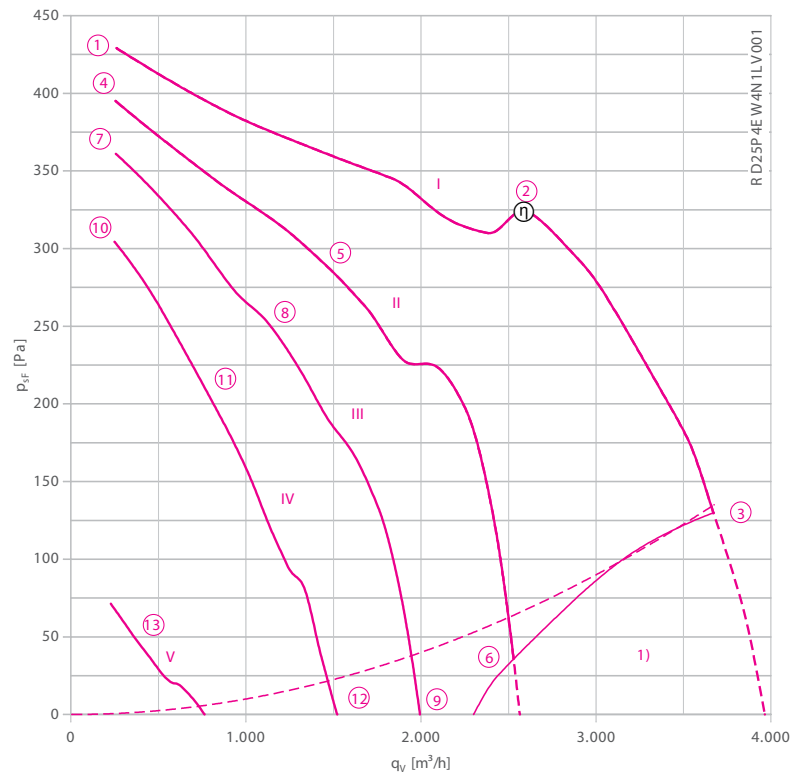
RD25P-4E



Description

Motor technology: AC
Rated voltage U_N : 1~ 230 V $\pm$ 10 %*
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 1.20 kW*
Rated current I_N : 5.30 A*
Rated speed n_N : 1090 min⁻¹*
Starting current I_A : 8.50 A
Service capacitor C_{400V} : 16.0 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 $p_{SF(min)}$: 130 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} : 29.2 %
Efficiency: $N_{actual} = 37.4 / N_{target} = 37^{**}$
Frequency inverter required
* Rated data
**ErP 2013

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area

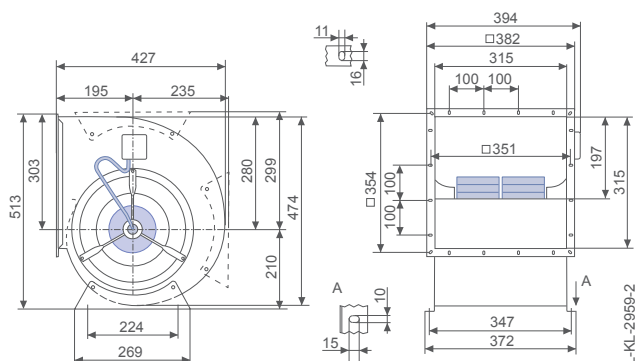
- Connection diagram
- System components

1360-104XB

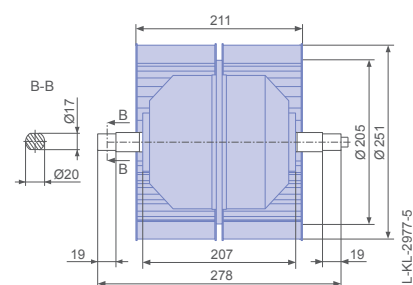
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Dimensions [mm]

Fan with housing, double inlet



Motorised impeller

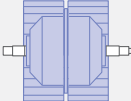


Performance data

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-4EW.4N.1L	I	230	①	1.95	450	1420	
		230	②	3.60	820	1290	76
		230*	③	5.30*	1200*	1090*	81
	II	160	④	1.90	310	1370	
		160	⑤	2.90	460	1250	74
		160	⑥	5.10	780	680	71
	III	130	⑦	1.95	250	1310	
		130	⑧	2.80	360	1160	73
		130	⑨	4.60	570	460	64
	IV	105	⑩	2.10	210	1220	
		105	⑪	2.60	270	1070	71
		105	⑫	3.90	380	380	58
	V	60	⑬	2.10	120	530	

*rated data

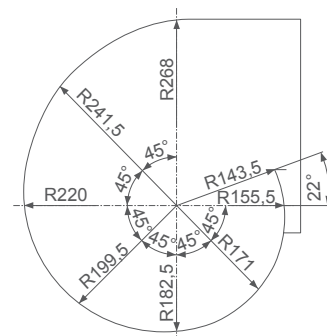
Fan ordering information

Design	RD	RZ
Installation position	H	H
Electrical connection	Terminal box fixed on housing	Connecting cable axial 110 cm from axle end
		
Type	RD25P-4EW.4N.1L	RZ25P-4EW.4N.1L
Article no.	209634A	209633A
Weight [kg]	23.70	14.10
* Inlet ring not included		

Control technology

Frequency inverter Fcontrol 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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Used housing



L-KL-2949-11