

P-series

for single phase alternating current, 4 pole

RD22P-4E



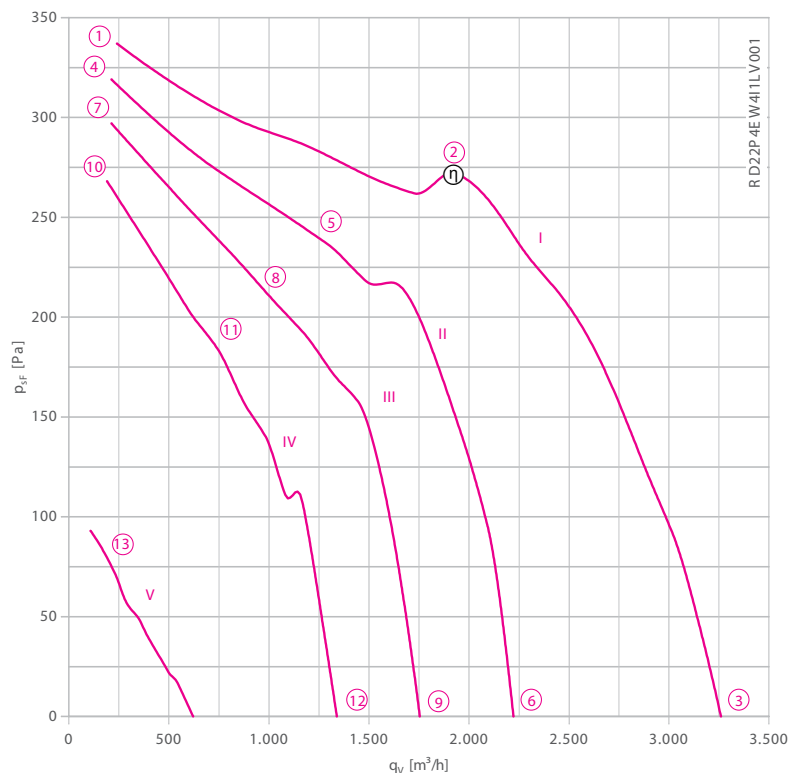
Description

Motor technology: AC
Rated voltage U_N : 1~ 230 V $\pm$ 10 %*
Rated frequency f_N : 50 Hz* (60Hz data available)
Motor input power P_1 : 0.92 kW*
Rated current I_N : 4.10 A*
Rated speed n_N : 1100 min⁻¹*
Starting current I_A : 6.50 A
Service capacitor C_{400V} : 14.0 μ F
Thermal class: THCL155*
Min. permitted ambient temperature $t_{R(min)}$: -20 °C
Max. permitted ambient temperature $t_{R(max)}$: 40 °C
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} : 29.0 %
Efficiency: $\eta_{actual} = 37.2 / \eta_{target} = 37^{**}$
* Rated data
**ErP 2013

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

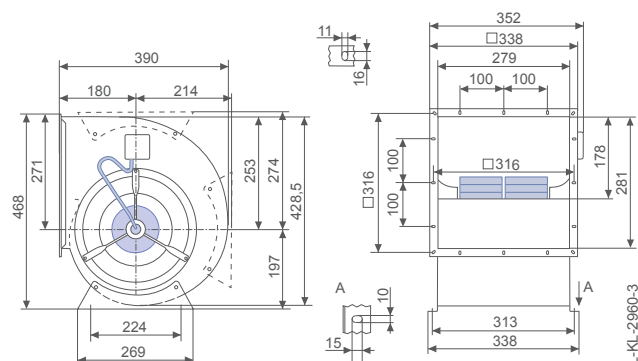
- Connection diagram
- System components

1360-104XB

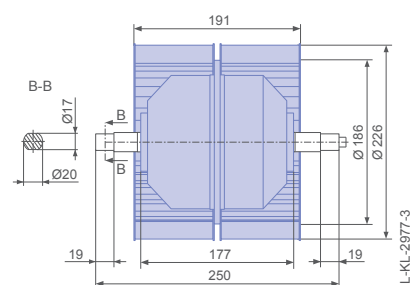
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Dimensions [mm]

Fan with housing, double inlet



Motorised impeller

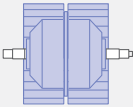


Performance data

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]
RD22P-4EW.4I.1L	I	230	①	1.55	320	1440	
		230	②	2.30	520	1350	76
		230*	③	4.10*	920*	1100*	82
	II	160	④	1.30	210	1390	
		160	⑤	2.40	380	1200	73
		160	⑥	3.60	560	780	73
	III	130	⑦	1.30	170	1350	
		130	⑧	2.10	270	1160	72
		130	⑨	3.20	400	620	68
	IV	105	⑩	1.35	145	1270	
		105	⑪	1.85	190	1120	71
		105	⑫	2.70	270	500	61
	V	60	⑬	1.45	84	720	

*rated data

Fan ordering information

Design	RD	RZ
Installation position	H	H
Electrical connection	Terminal box fixed on housing	Connecting cable axial 105 cm from axle end
		
Type	RD22P-4EW.4I.1L	RZ22P-4EW.4I.1L
Article no.	209648A	209647A
Weight [kg]	18.60	18.50
* 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

