

P-series

for single phase alternating current, 4 pole

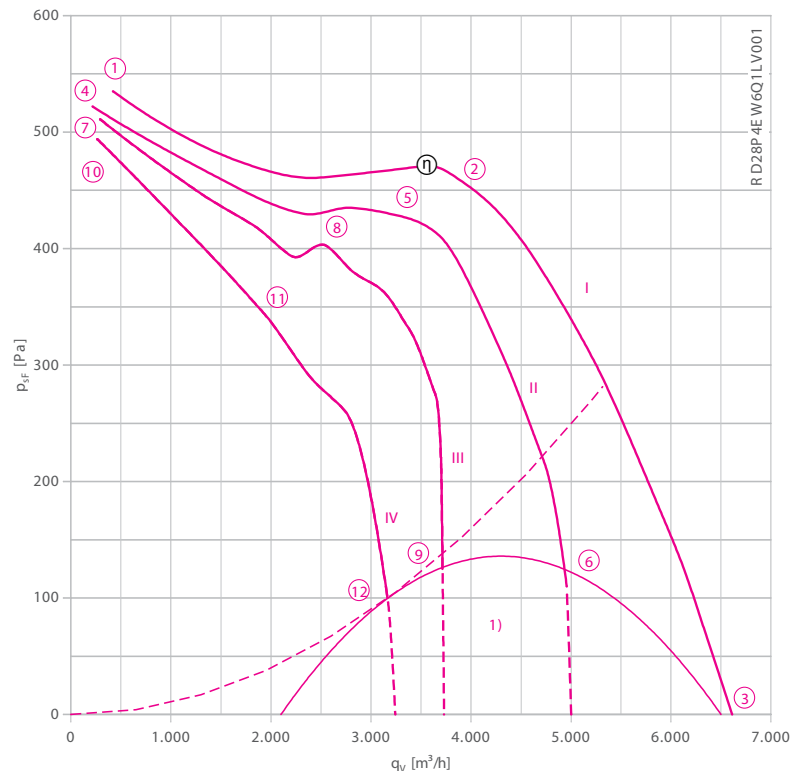
RD28P-4E



Description

Motor technology: AC
Rated voltage U_N : 1~ 230 V $\pm$ 10 %*
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 2.90 kW*
Rated current I_N : 13.00 A*
Rated speed n_N : 1290 min⁻¹*
Starting current I_A : 28.00 A
Service capacitor C_{400V} : 35.0 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 $p_{SF(min)}$: 0 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} : 34.7 %
Efficiency: $N_{actual} = 40.2 / N_{target} = 37^{**}$
* Rated data
**ErP 2013

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area

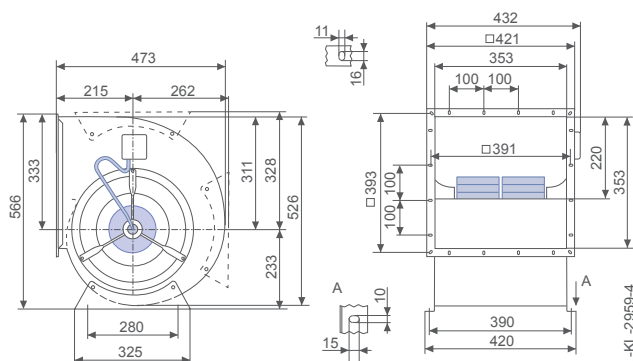
- Connection diagram
- System components

1360-104XB

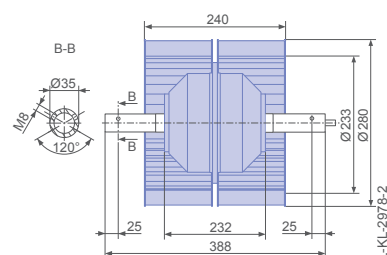
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Dimensions [mm]

Fan with housing, double inlet



Motorised impeller

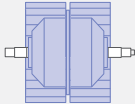


Performance data

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]
RD28P-4EW.6Q.1L	I	230	①	3.20	710	1480	
		230	②	6.70	1500	1430	87
		230*	③	13.00*	2900*	1290*	94
	II	160	④	3.10	480	1460	
		160	⑤	7.10	1150	1370	84
		160	⑥	14.00	2100	930	83
	III	130	⑦	3.20	410	1450	
		130	⑧	6.70	880	1350	82
		130	⑨	14.00	1650	830	76
	IV	105	⑩	3.40	360	1420	
		105	⑪	5.20	550	1360	81
		105	⑫	14.00	1400	680	67

*rated data

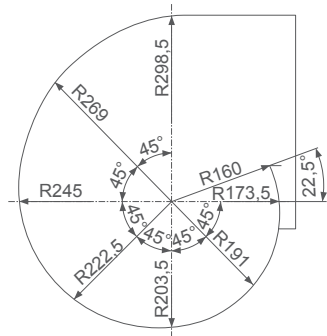
Fan ordering information

Design	RD	RZ
Installation position	H	H
Electrical connection	Terminal box fixed on housing	Connecting cable axial 115 cm from axle end
		
Type	RD28P-4EW.6Q.1L	RZ28P-4EW.6Q.1L
Article no.	210409	210408
Weight [kg]	40.80	28.40
* 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-2949-12