

P-series

for three phase alternating current, 4 pole

RD28P-4D



Description

Motor technology: AC

Rated voltage U_N : 3~ 230/400 V (Δ/Y) $\pm 10\%$ *

Rated frequency f_N : **50 Hz*** (60Hz data available)

Motor input power P_1 : 2.80 kW*

Rated current I_N : 7.90/4.60 A*

Rated speed n_N : **1260 min⁻¹***
Starting current I_A : 28.00 A / 16.00 A

Thermal class: **THCL155***

Min. permitted ambient temperature $t_{g(\min)}$: -20 °C

Max. permitted ambient temperature $t_{R(max)}$: 40 °C

Minimum pressing $p_{sF(min)}$: 70 Pa

Protection class: IP54

Motor protection: thermal contact

Impeller : Impeller made of galva

Motor: 1 coat paint, pebble

Conformity: ErP 2015, CE

ErP-data

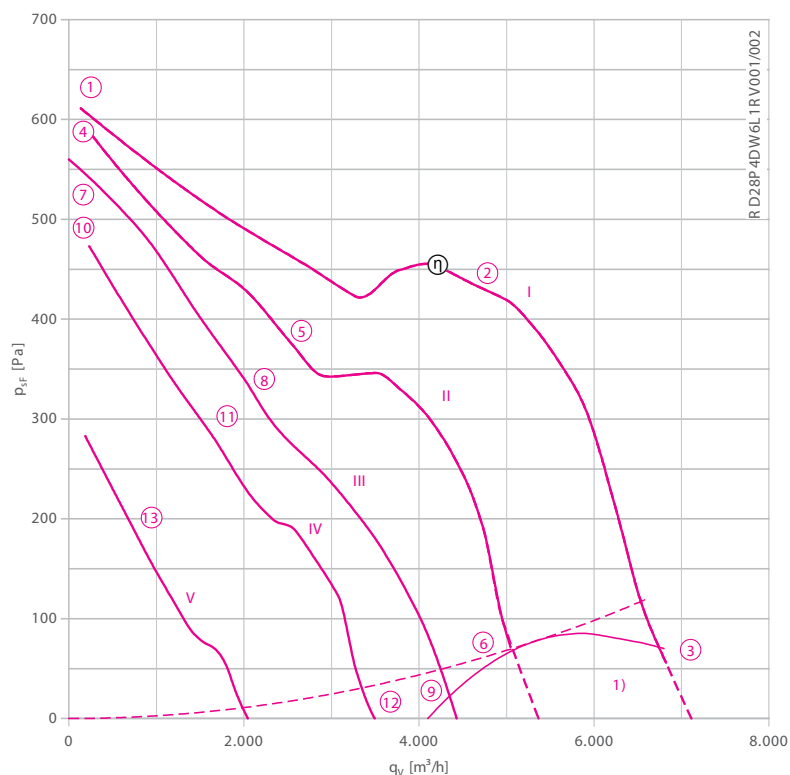
Efficiency η_{statA} : 42.1 %

Efficiency: $N_{\text{actual}} = 48.1 / N_{\text{target}} = 44^{**}$

* Rated data

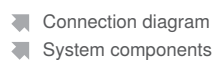
**ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area



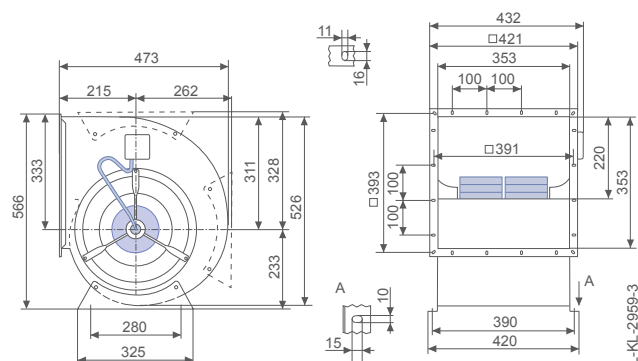
1360-106XB

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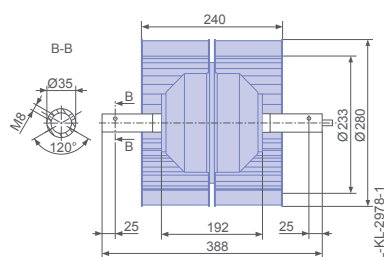
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Dimensions [mm]

Fan with housing, double inlet



Motorised impeller

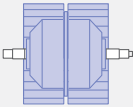


Performance data

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-4DW.6L.1L	I	400	①	2.10	530	1480	
		400	②	3.20	1600	1390	86
		400*	③	4.60*	2800*	1260*	92
	II	230	④	1.45	410	1440	
		230	⑤	3.40	1200	1250	83
		230	⑥	4.60	1800	1070	87
	III	180	⑦	1.55	370	1370	
		180	⑧	3.20	900	1170	80
		180	⑨	4.60	1350	870	83
	IV	140	⑩	1.65	350	1320	
		140	⑪	2.80	620	1100	78
		140	⑫	4.30	1000	660	77
	V	90	⑬	2.50	170	880	

*rated data

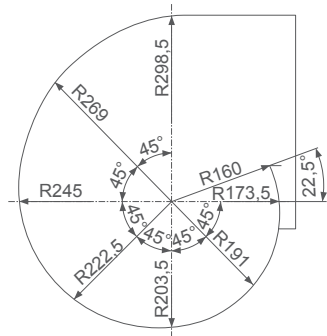
Fan ordering information

Design	RD	RZ
Installation position	H	H
Electrical connection	Terminal box fixed on housing	Connecting cable axial 105 cm from axle end
		
Type	RD28P-4DW.6L.1L	RZ28P-4DW.6L.1L
Article no.	209669A	209668A
Weight [kg]	34.00	21.50
* 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-2949-12