

P-series

for three phase alternating current, 4 pole

RD40P-4D



Description

Motor technology: AC
Rated voltage U_N : 3~ 400 V (Δ) ± 10 %*
Rated frequency f_N : 50 Hz* (60Hz data available)
Motor input power P_1 : 13.00 kW*
Rated current I_N : 20.00 A*
Rated speed n_N : 1150 min⁻¹*
Current increase ΔI : 0 %
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -20 °C
Max. permitted ambient temperature $t_{R(max)}$: 40 °C
Protection class: IP10
Motor protection: thermal contact
Impeller : Impeller made of galvanised sheet metal,
Motor: 1 coat paint, pebble grey
Conformity: ErP 2015, CE

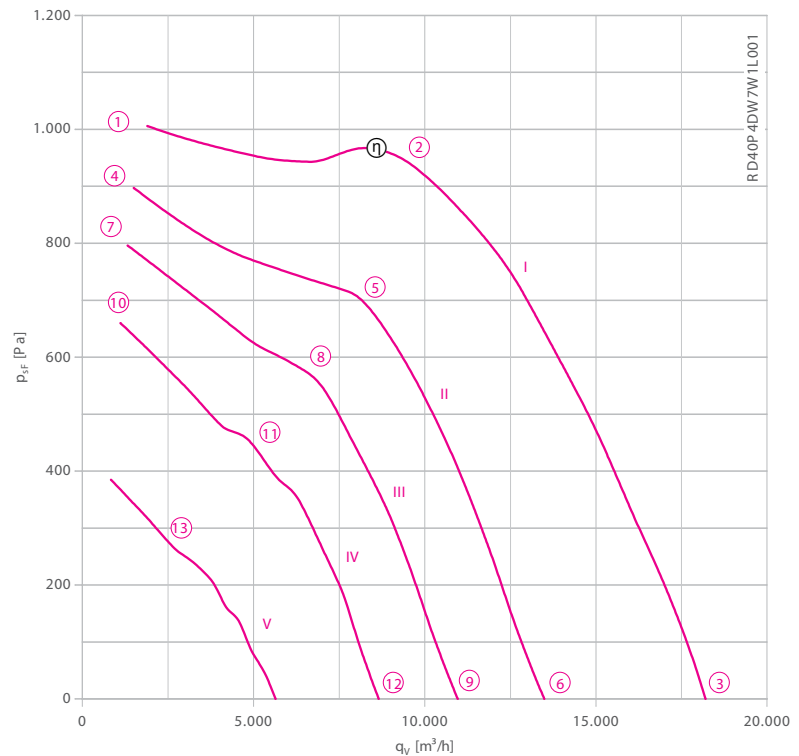
ErP-data

Efficiency η_{statA} : 42.9 %
Efficiency: $N_{actual} = 44.7 / N_{target} = 44$ **

* Rated data

**ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

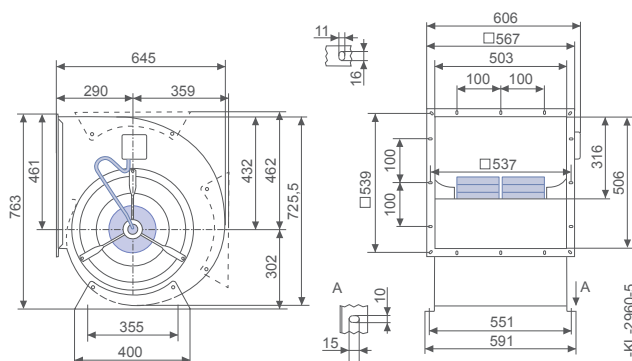
- Connection diagram
- System components

1360-106XB

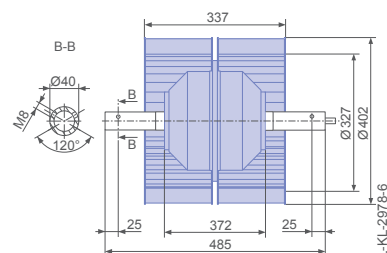
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Dimensions [mm]

Fan with housing, double inlet



Motorised impeller

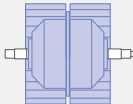


Performance data

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]
RD40P-4DW.7W.1L	I	400	①	6.70	2600	1440	
		400	②	11.00	6100	1350	95
		400*	③	20.00*	13000*	1150*	102
	II	230	④	6.20	2100	1360	
		230	⑤	11.50	4300	1190	93
		230	⑥	20.00	7700	850	96
	III	180	⑦	6.70	1900	1290	
		180	⑧	11.00	3200	1100	91
		180	⑨	19.00	5300	690	90
	IV	140	⑩	7.40	1650	1180	
		140	⑪	10.50	2400	980	88
		140	⑫	16.50	3500	540	83
V	90	⑬	9.70	1350	710		

*rated data

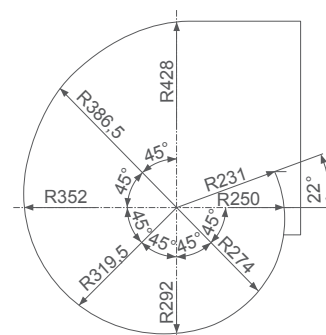
Fan ordering information

Design	RD	RZ
Installation position	H	H
Electrical connection	Terminal box fixed on housing	Connecting cable axial 115 cm from axle end
		
Type	RD40P-4DW.7W.1L	RZ40P-4DW.7W.1L
Article no.	210143	210142
Weight [kg]	90.50	67.30
* Inlet ring not included		

Control technology

Frequency inverter Control 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-2949-15