

P-series

for three phase alternating current, 4 pole

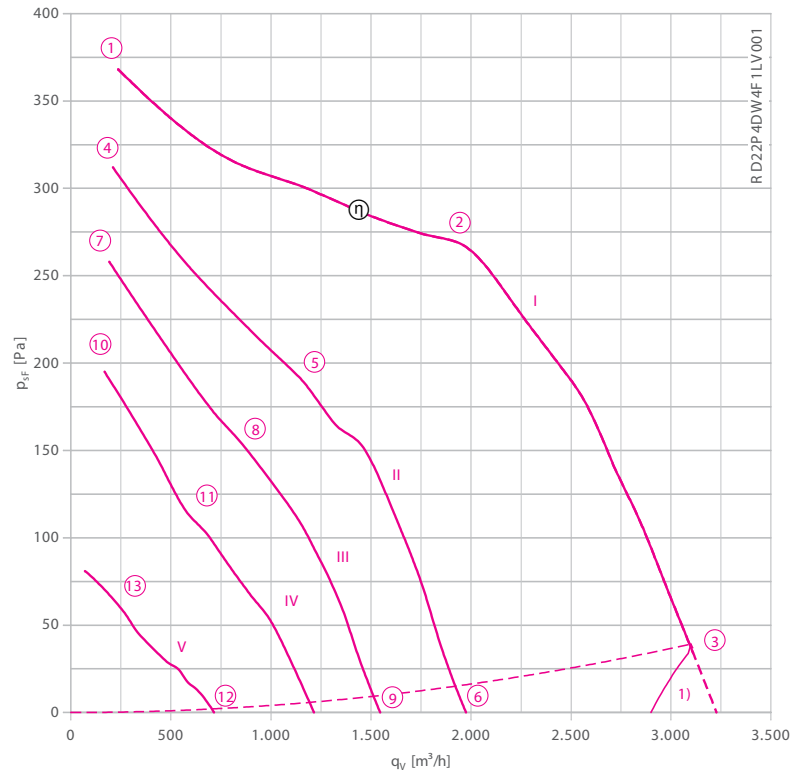
RD22P-4D



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 : 0.80 kW*
Rated current I_N : 2.50/1.45 A*
Rated speed n_N : 1090 min⁻¹*
Starting current I_A : 5.50 A / 3.20 A
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
Minimum pressing $p_{SF(min)}$: 40 Pa
Protection class: IP54
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} : 33.4 %
Efficiency: $N_{actual} = 44.5 / N_{target} = 44^{**}$
Frequency inverter required
* Rated data
**ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area

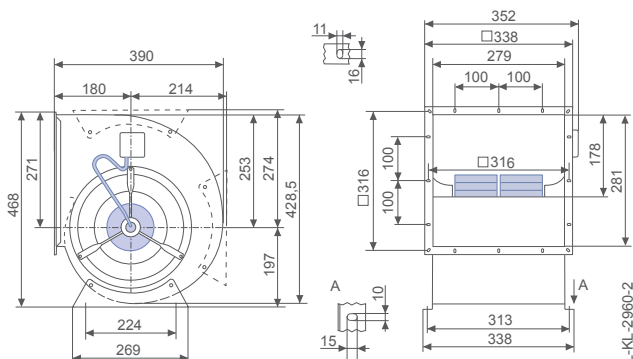
- Connection diagram
- System components

1360-106XB

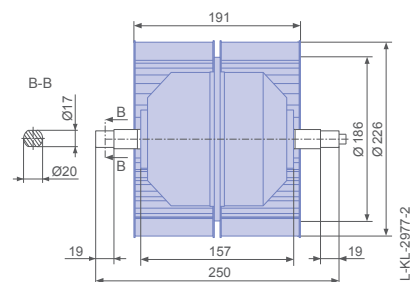
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Dimensions [mm]

Fan with housing, double inlet



Motorised impeller

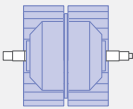


Performance data

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]
RD22P-4DW.4F.1L	I	400	①	0.65	190	1440	
		400	②	0.92	460	1310	75
		400*	③	1.45*	800*	1090*	80
	II	230	④	0.50	150	1320	
		230	⑤	0.78	250	1110	71
		230	⑥	1.20	360	660	68
	III	180	⑦	0.52	125	1210	
		180	⑧	0.72	180	990	68
		180	⑨	0.98	230	530	62
	IV	140	⑩	0.52	100	1050	
		140	⑪	0.62	120	880	64
		140	⑫	0.80	145	430	57
	V	90	⑬	0.47	56	640	

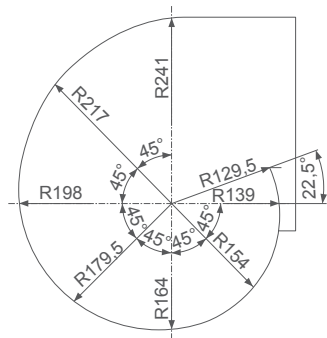
*rated data

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	RD22P-4DW.4F.1L	RZ22P-4DW.4F.1L
Article no.	209654A	209653A
Weight [kg]	17.00	8.80
* Inlet ring not included		

Control technology

Used housing



L-KL-2949-10