

P-series

for single phase alternating current, 4 pole

RD20P-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 : **0.55 kW***

Rated current I_N : **2.60 A***

Rated speed n_N : **1190 min⁻¹***

Service capacitor C_{400V} : $8.0 \mu F$

Thermal class: **THCL155***

Min. permitted ambient temperature: 5°C (41°F)

Max. permitted ambient temperature $t_{R(max)}$: 50 °C

Protection class: IP54

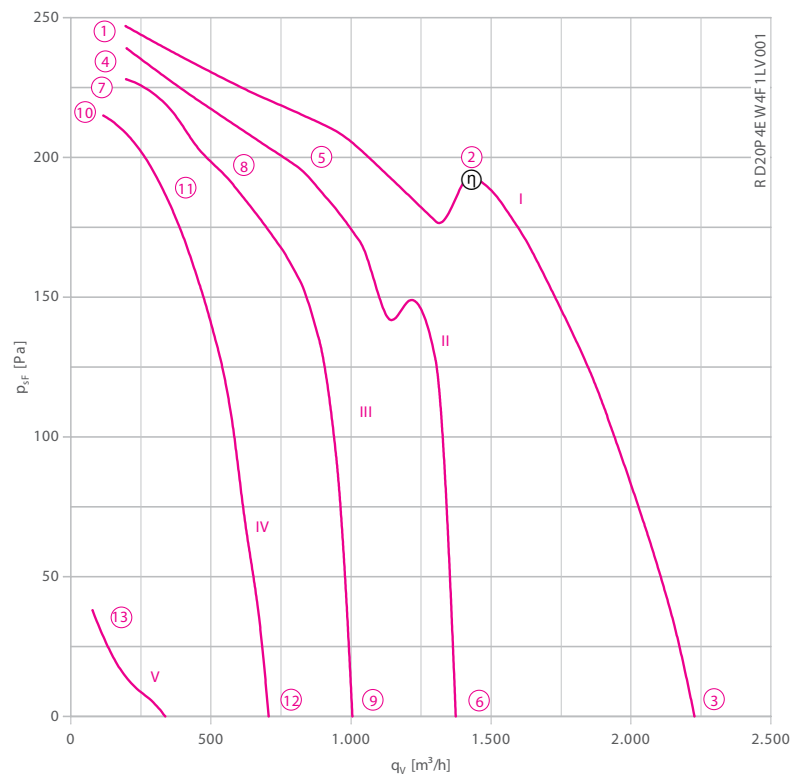
Motor protection: thermal

Impeller : Impeller made of galvanized steel

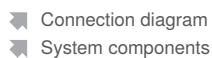
Motor: 1 coat paint, pebble grey

* Rated data

Characteristic curve



Measured in housing from ZIEHL-ABEGG.



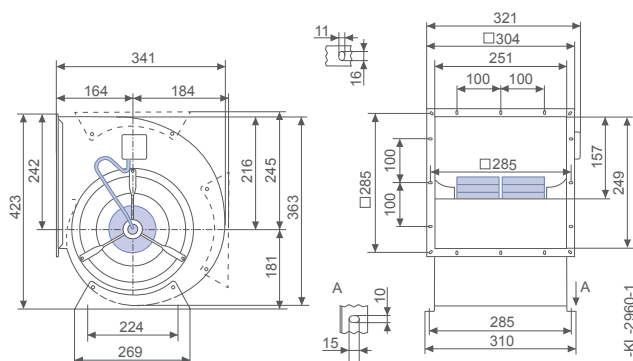
1360-104XB

Page 367

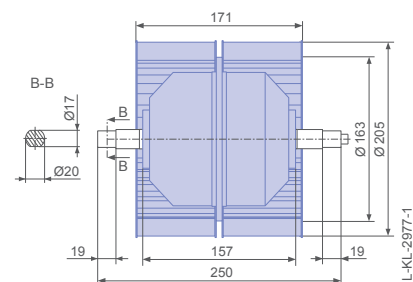
Page 262

Dimensions [mm]

Fan with housing, double inlet



Motorised impeller

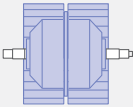


Performance data

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]
RD20P-4EW.4F.1L	I	230	①	0.97	180	1460	
		230	②	1.45	320	1390	76
		230*	③	2.60*	550*	1190*	82
	II	160	④	0.74	115	1440	
		160	⑤	1.20	190	1350	75
		160	⑥	2.50	350	760	71
	III	130	⑦	0.75	96	1400	
		130	⑧	1.10	140	1320	74
		130	⑨	2.20	250	550	64
	IV	105	⑩	0.76	78	1360	
		105	⑪	1.00	100	1270	73
		105	⑫	1.65	145	470	56
	V	60	⑬	0.93	46	590	

*rated data

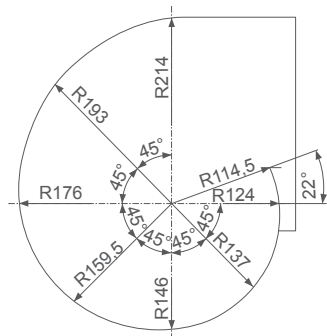
Fan ordering information

Design	RD	RZ
Installation position	H	H
Electrical connection	Terminal box fixed on housing	Connecting cable axial 110 cm from axle end
		
Type	RD20P-4EW.4F.1L	RZ20P-4EW.4F.1L
Article no.	209645A	209644A
Weight [kg]	15.50	8.40
* 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
--	---	---	---

Used housing



L-KL-2949-9