

P-series

for three phase alternating current, 4 pole

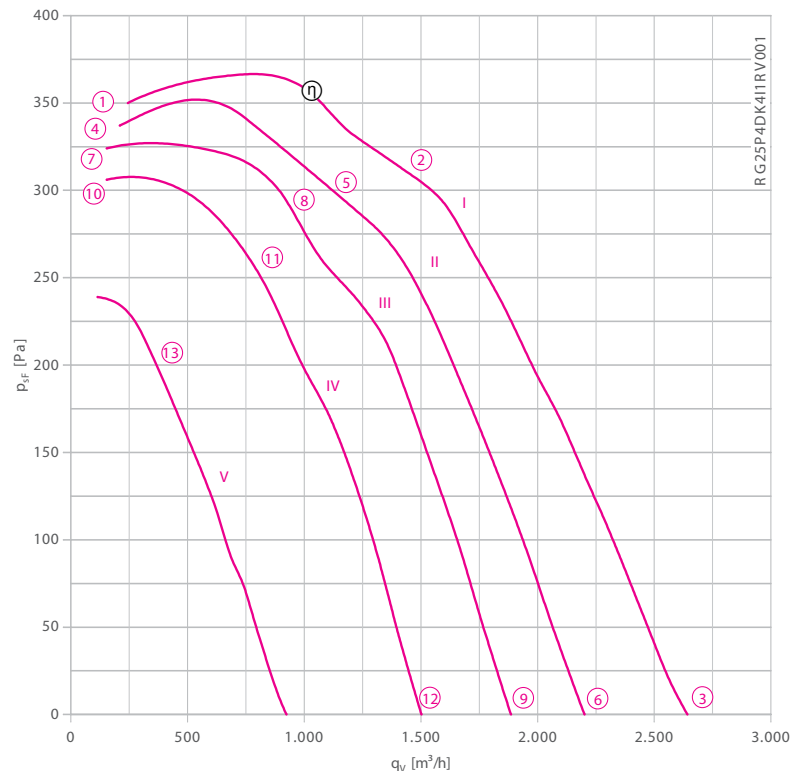
RG25P-4D



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 : 0.93 kW*
Rated current I_N : 3.30/1.90 A*
Rated speed n_N : 1380 min⁻¹*
Starting current I_A : 12.00 A / 7.00 A
Dynamic pressure: $p_{d2} = 1.65 \cdot 10^{-5} \cdot q_v^2$ [Pa]
Thermal class: THCL155*
Min. permitted ambient temperature $t_{R(min)}$: -20 °C
Max. permitted ambient temperature $t_{R(max)}$: 50 °C
Protection class: IP54
Motor protection: Thermal contact
Impeller : Galvanised sheet metal, uncoated
Motor: 1 coat paint, pebble grey
Conformity: ErP 2013, CE
ErP-data
Efficiency η_{statA} : 30.9 %
Efficiency: $N_{actual} = 40.0 / N_{target} = 37^{**}$
* Rated data
**ErP 2013

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

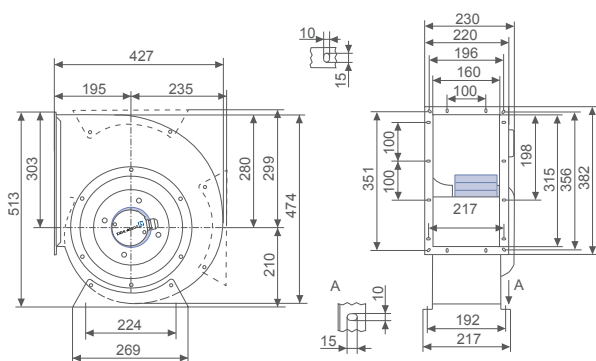
- Connection diagram
- System components

1360-106XA

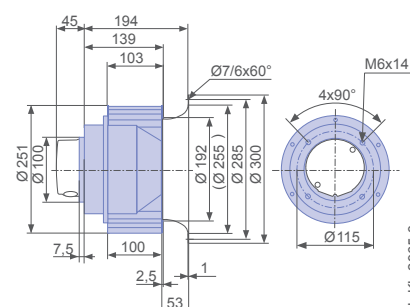
Page 367
Page 262

Dimensions [mm]

Fan with housing, single 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]
RG25P-4DK.4I.1R	I	400	①	1.60	250	1480	
		400	②	1.70	500	1440	80
		400*	③	1.90*	930*	1380*	86
	II	230	④	0.78	160	1460	
		230	⑤	1.05	310	1400	80
		230	⑥	2.10	720	1180	82
	III	180	⑦	0.67	130	1430	
		180	⑧	1.05	260	1350	79
		180	⑨	2.20	570	1010	78
	IV	140	⑩	0.66	125	1390	
		140	⑪	1.00	210	1280	77
		140	⑫	2.00	400	820	72
	V	90	⑬	1.00	135	1050	

*rated data

Fan ordering information

Design	RG	RE
Installation position	H	H/Vu/Vo
Electrical connection	Terminal box Mounted on motor.	Terminal box
		
Type	RG25P-4DK.4I.1R	RE25P-4DK.4I.1R
Article no.	112985	112976
Weight [kg]	16.50	9.10

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
--	---	--	---

Used housing

