

P-series

for three phase alternating current, 4 pole

RG22P-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 : 0.56 kW*
Rated current I_N : 1.65/0.95 A*
Rated speed n_N : 1270 min⁻¹*
Starting current I_A : 4.00 A / 2.80 A
Dynamic pressure: $p_{d2} = 2.9 \cdot 10^{-5} \cdot q_v^2$ [Pa]
Thermal class: THCL155*
Min. permitted ambient temperature $t_{R(min)}$: -20 °C
Max. permitted ambient temperature $t_{R(max)}$: 40 °C
Protection class: IP54
Motor protection: Thermal contact
Impeller : Galvanised sheet metal, uncoated
Motor: 1 coat paint, pebble grey
Conformity: ErP 2013, CE

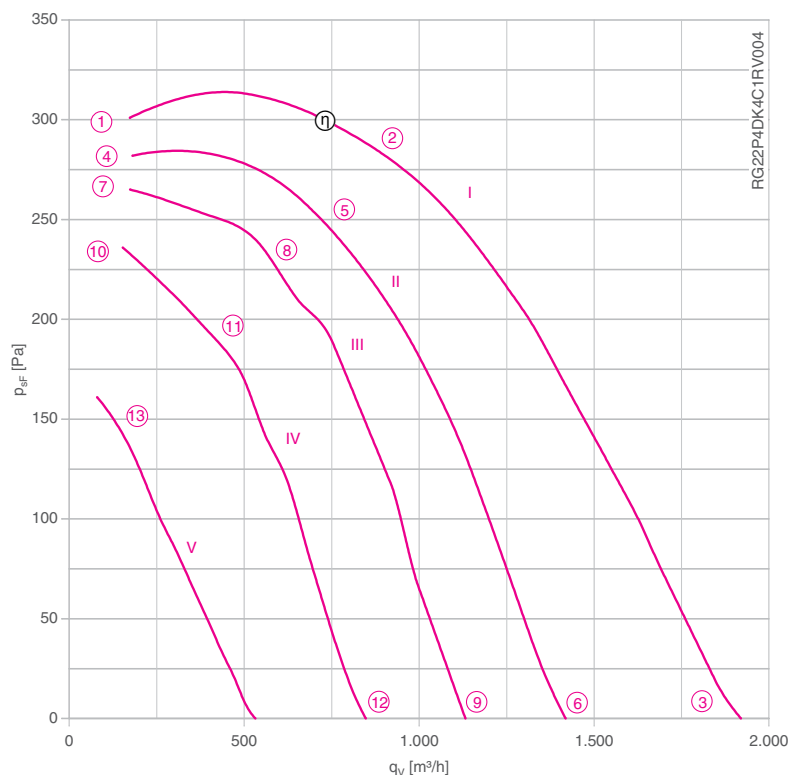
ErP-data

Efficiency η_{statA} : 26.9 %
Efficiency: $N_{actual} = 37.2 / N_{target} = 37^{**}$

* Rated data

**ErP 2013

Characteristic curve



- Connection diagram
- System components

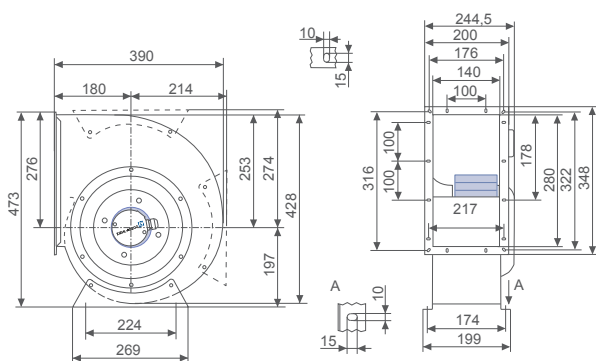
1360-106XA

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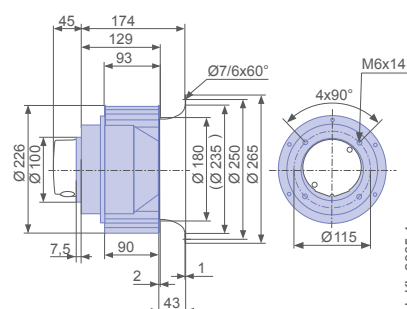
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Dimensions [mm]

Fan with housing, single inlet



Motorised impeller



P-series

for three phase alternating current, 4 pole

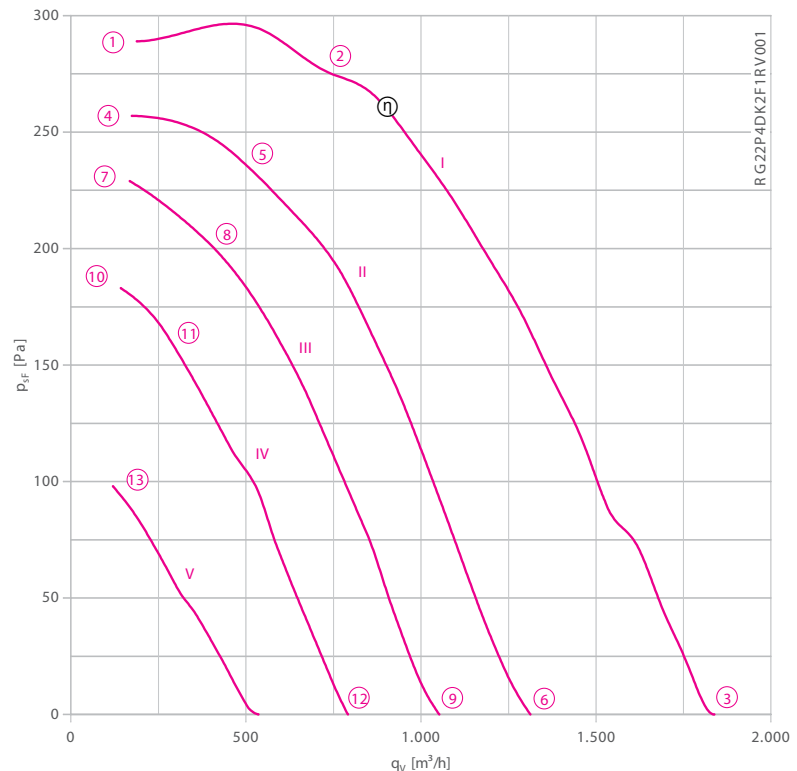
RG22P-4D



Description

Motor technology: AC
Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*
Rated frequency f_N : 50 Hz* (60Hz data available)
Motor input power P_1 : 0.51 kW*
Rated current I_N : 1.50/0.87 A*
Rated speed n_N : 1190 min⁻¹*
Starting current I_A : 3.40 A / 2.00 A
Dynamic pressure: $p_{d2} = 2.9 \cdot 10^{-5} \cdot q_v^2$ [Pa]
Thermal class: THCL155*
Min. permitted ambient temperature $t_{R(min)}$: -20 °C
Max. permitted ambient temperature $t_{R(max)}$: 55 °C
Protection class: IP44
Motor protection: Thermal contact
Impeller : Galvanised sheet metal, uncoated
Motor: 1 coat paint, pebble grey
Housing: Housing unpainted
Conformity: ErP 2015, CE
ErP-data
Efficiency η_{statA} : 33.3 %
Efficiency: $N_{actual} = 44.0 / N_{target} = 44$ **
* Rated data
**ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

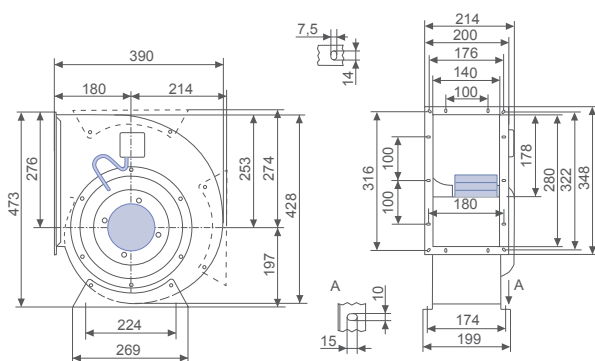
- Connection diagram
- System components

1360-106XA

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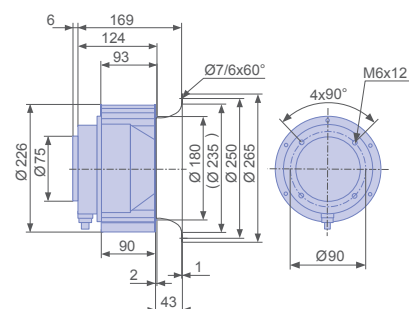
Dimensions [mm]

Fan with housing, single inlet



L-KL-2966-3

Motorised impeller



L-KL-2957-3

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]
RG22P-4DK.2F.1R	I	400	①	0.47	135	1450	
		400	②	0.54	250	1370	77
		400*	③	0.87*	510*	1190*	80
	II	230	④	0.31	92	1360	
		230	⑤	0.45	160	1230	74
		230	⑥	0.81	310	860	72
	III	180	⑦	0.30	81	1290	
		180	⑧	0.44	125	1140	73
		180	⑨	0.73	210	710	68
	IV	140	⑩	0.31	70	1170	
		140	⑪	0.35	80	1110	72
		140	⑫	0.62	140	570	62
	V	90	⑬	0.33	49	830	

*rated data

Fan ordering information

Design	RG	RE
Installation position	H	H/Vu/Vo
Electrical connection	Terminal box fixed on housing.	Supply cable lateral 105cm
		
Type	RG22P-4DK.2F.1R	RE22P-4DK.2F.1R
Article no.	210162	210157
Weight [kg]	11.60	4.70

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

