

P-series

for single phase alternating current, 4 pole

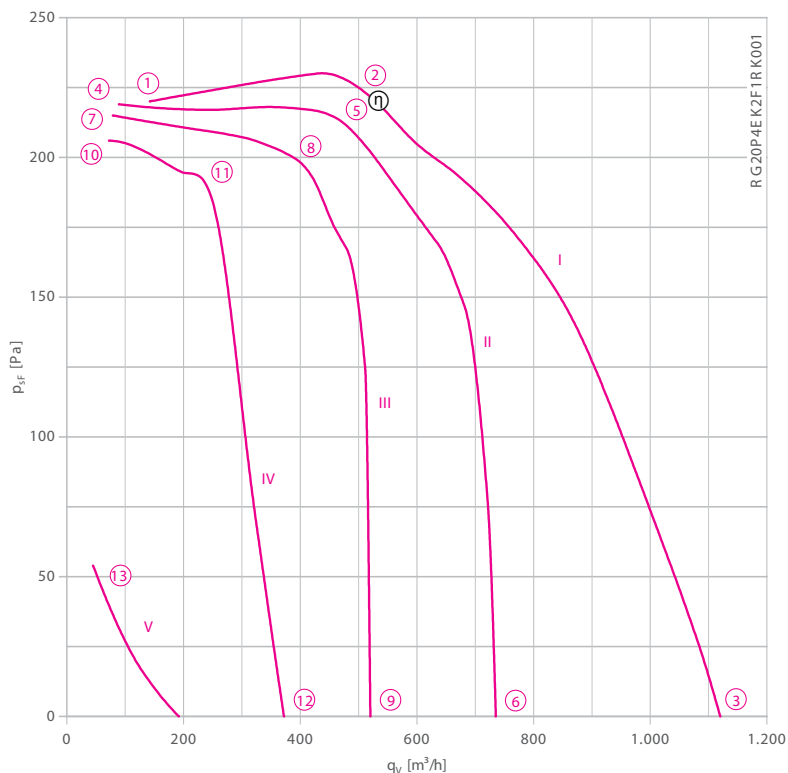
RG20P-4E



Description

Motor technology: AC
Rated voltage U_N : 1~ 230 V $\pm$ 10 %*
Rated frequency f_N : 50 Hz*
Motor input power P_1 : 0.29 kW*
Rated current I_N : 1.45 A*
Rated speed n_N : 1260 min⁻¹*
Starting current I_A : 2.60 A
Service capacitor C_{400V} : 5.0 μ F
Dynamic pressure: $p_{d2} = 4.6 \cdot 10^{-5} \cdot q_v^2$ [Pa]
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -20 °C
Max. permitted ambient temperature $t_{R(max)}$: 40 °C
Protection class: IP44
Motor protection: Thermal contact
Impeller : Galvanised sheet metal, uncoated
Motor: 1 coat paint, pebble grey
Housing: Housing unpainted
* Rated data

Characteristic curve



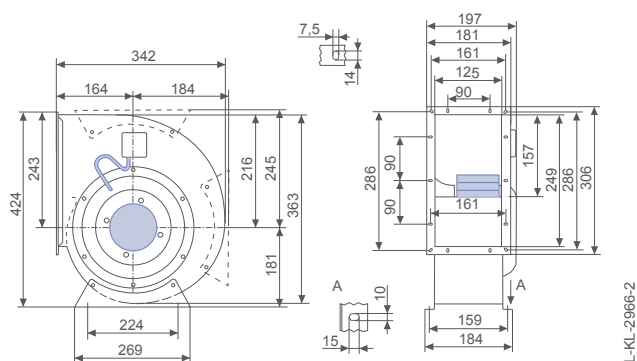
- Connection diagram
- System components

1360-104XA

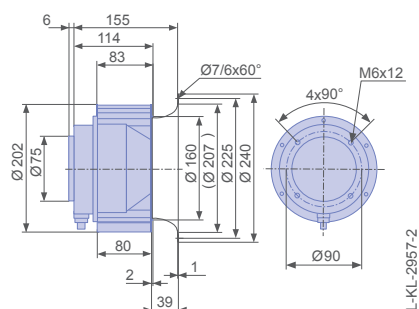
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Dimensions [mm]

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]
RG20P-4EK.2F.1R	I	230	①	0.96	140	1470	
		230	②	0.98	160	1450	73
		230*	③	1.45*	290*	1260*	79
	II	160	④	0.47	72	1450	
		160	⑤	0.58	91	1420	71
		160	⑥	1.35	175	680	68
	III	130	⑦	0.43	57	1440	
		130	⑧	0.64	80	1360	69
		130	⑨	1.05	120	530	63
	IV	105	⑩	0.42	44	1410	
		105	⑪	0.49	50	1360	65
		105	⑫	0.83	66	430	64
	V	60	⑬	0.48	22	250	

*rated data

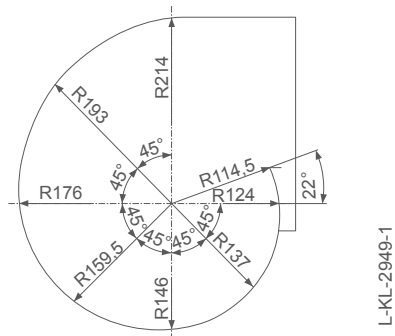
Fan ordering information

Design	RG	RE
Installation position	H	H/Vu/Vo
Electrical connection	Terminal box fixed on housing.	Supply cable lateral 105cm
		
Type	RG20P-4EK.2F.1R	RE20P-4EK.2F.1R
Article no.	209311	209309
Weight [kg]	10.60	4.00

Control technology

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Used housing



P-series

for three phase alternating current, 4 pole

RG20P-4D



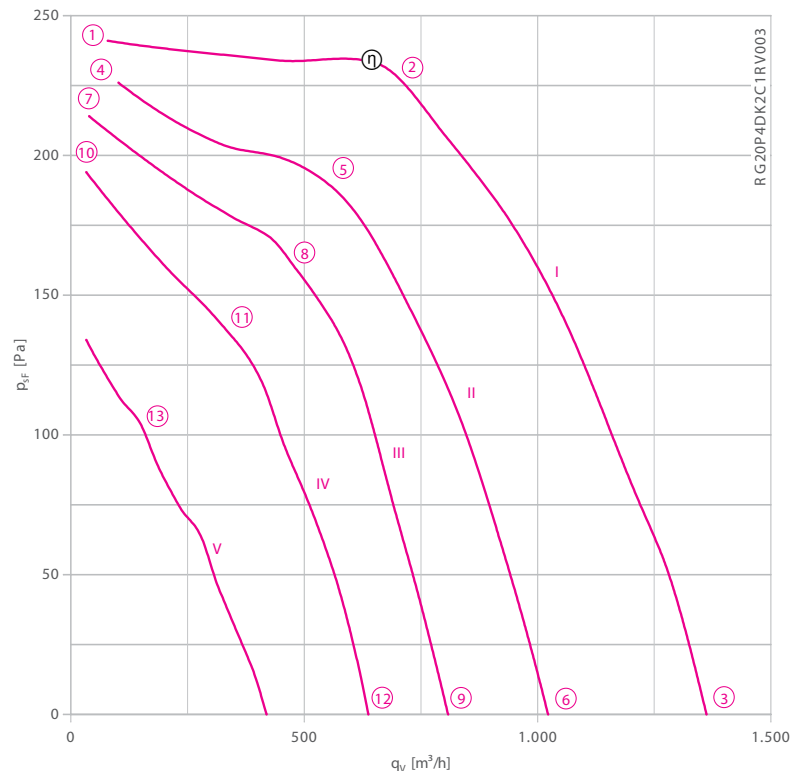
Description

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 : 0.31 kW*
Rated current I_N : 0.89/0.51 A*
Rated speed n_N : 1230 min⁻¹*
Starting current I_A : 2.20 A / 1.20 A
Current increase ΔI : 0 %
Dynamic pressure: $p_{d2} = 4.4 \cdot 10^{-5} \cdot q_v^2$ [Pa]
Thermal class: **THCL155***
Min. permitted ambient temperature $t_{R(min)}$: -20 °C
Max. permitted ambient temperature $t_{R(max)}$: 70 °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} : 32.2 %
Efficiency: $N_{actual} = 44.0 / N_{target} = 44^{**}$
* Rated data
**ErP 2015

Characteristic curve



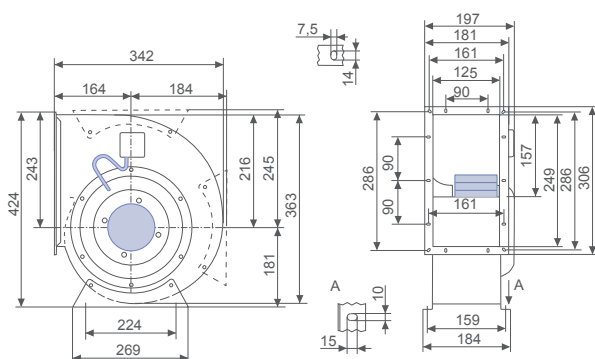
- Connection diagram
- System components

1360-106XA

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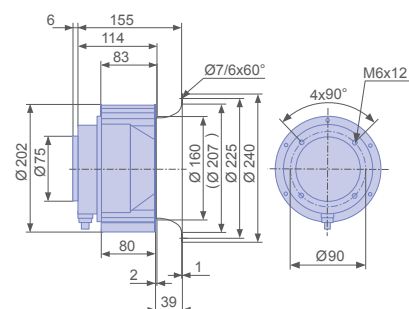
Dimensions [mm]

Fan with housing, single inlet



L-KL-2966-1

Motorised impeller



L-KL-2957-1

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]
RG20P-4DK.2C.1R	I	400	①	0.35	66	1470	
		400	②	0.38	135	1400	73
		400*	③	0.51*	310*	1230*	76
	II	230	④	0.20	39	1430	
		230	⑤	0.29	95	1280	70
		230	⑥	0.51	195	920	69
	III	180	⑦	0.17	34	1390	
		180	⑧	0.27	73	1220	69
		180	⑨	0.49	140	770	64
	IV	140	⑩	0.16	30	1320	
		140	⑪	0.26	57	1090	58
		140	⑫	0.43	93	590	57
	V	90	⑬	0.20	28	990	

*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	RG20P-4DK.2C.1R	RE20P-4DK.2C.1R
Article no.	209476	209475
Weight [kg]	9.60	3.70

Control technology

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Used housing

