

P-series

for three phase alternating current, 4 pole

RG35P-4D



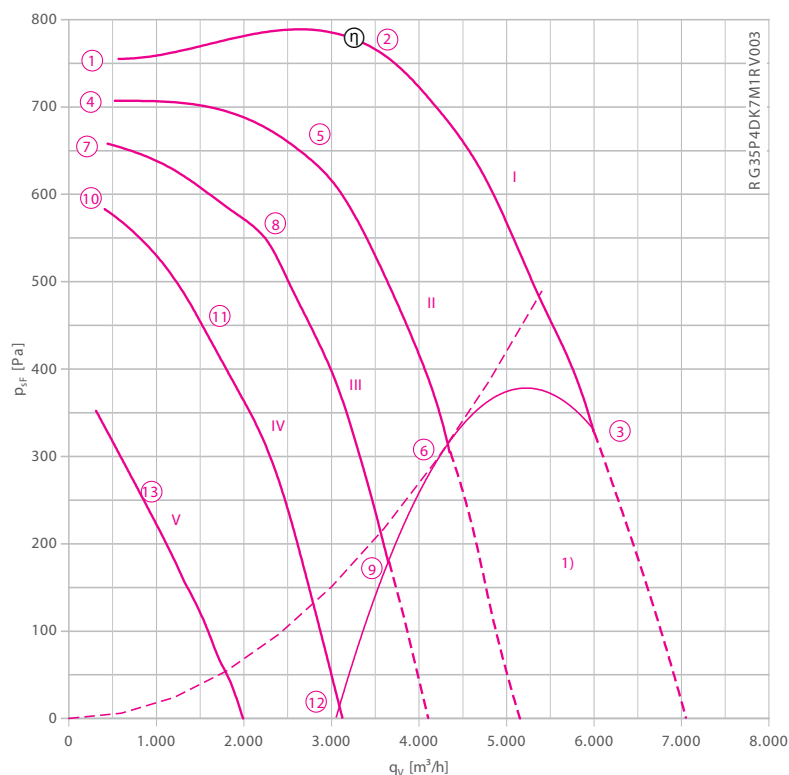
Description

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 : 3.70 kW*
Rated current I_N : 10.50/6.00 A*
Rated speed n_N : 1320 min⁻¹*
Starting current I_A : 42.00 A / 24.00 A
Dynamic pressure: $p_{d2} = 4.5 \cdot 10^{-6} \cdot q_v^2$ [Pa]
Thermal class: THCL155*
Min. permitted ambient temperature $t_{R(min)}$: -20 °C
Max. permitted ambient temperature $t_{R(max)}$: 40 °C
Minimum pressing $p_{SF(min)}$: 330 Pa
Protection class: IP54
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} : 41.2 %
Efficiency: $\eta_{actual} = 46.3 / N_{target} = 44^{**}$
* Rated data
**ErP 2015

Characteristic curve



Measured in housing from ZIEHL-ABEGG.

1) Do not operate in this area

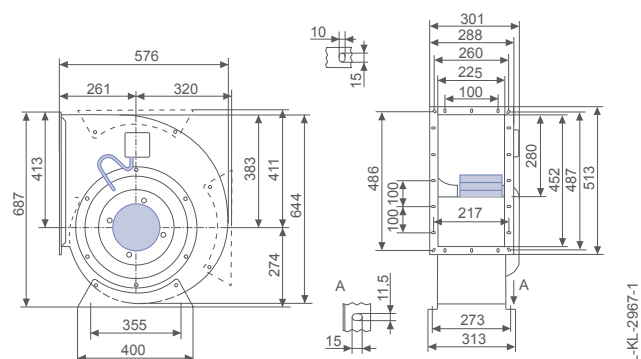
- Connection diagram
- System components

1360-106XA

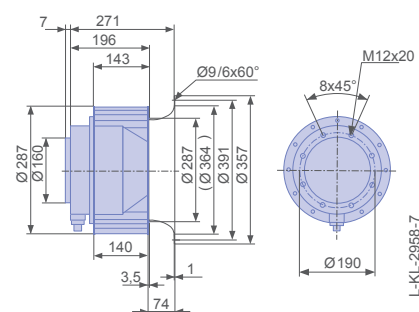
Page 367
Page 262

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]
RG35P-4DK.7M.1R	I	400	①	2.40	770	1480	
		400	②	3.70	1850	1430	88
		400*	③	6.00*	3700*	1320*	94
	II	230	④	1.95	620	1440	
		230	⑤	4.10	1400	1290	85
		230	⑥	6.00	2300	1110	87
	III	180	⑦	2.20	580	1390	
		180	⑧	4.10	1150	1210	84
		180	⑨	6.00	1750	900	83
	IV	140	⑩	2.50	540	1300	
		140	⑪	4.10	830	1090	82
		140	⑫	6.00	1200	580	77
	V	90	⑬	3.70	470	780	

*rated data

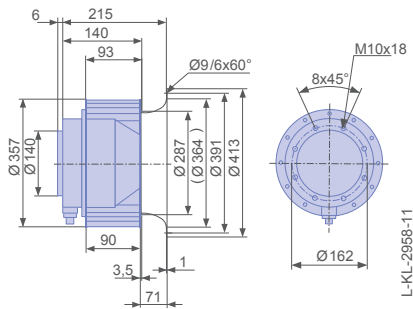
Fan ordering information

Design	RG	RE	
Installation position	H	H/Vu/Vo	
Electrical connection	Terminal box fixed on housing.	Supply cable lateral 105cm	
			
Type	RG35P-4DK.7M.1R	RE35P-4DK.6K.2L	
Article no.	210205	208916	
Weight [kg]	48.00	32.00	18.70

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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Motorised impeller



Used housing

