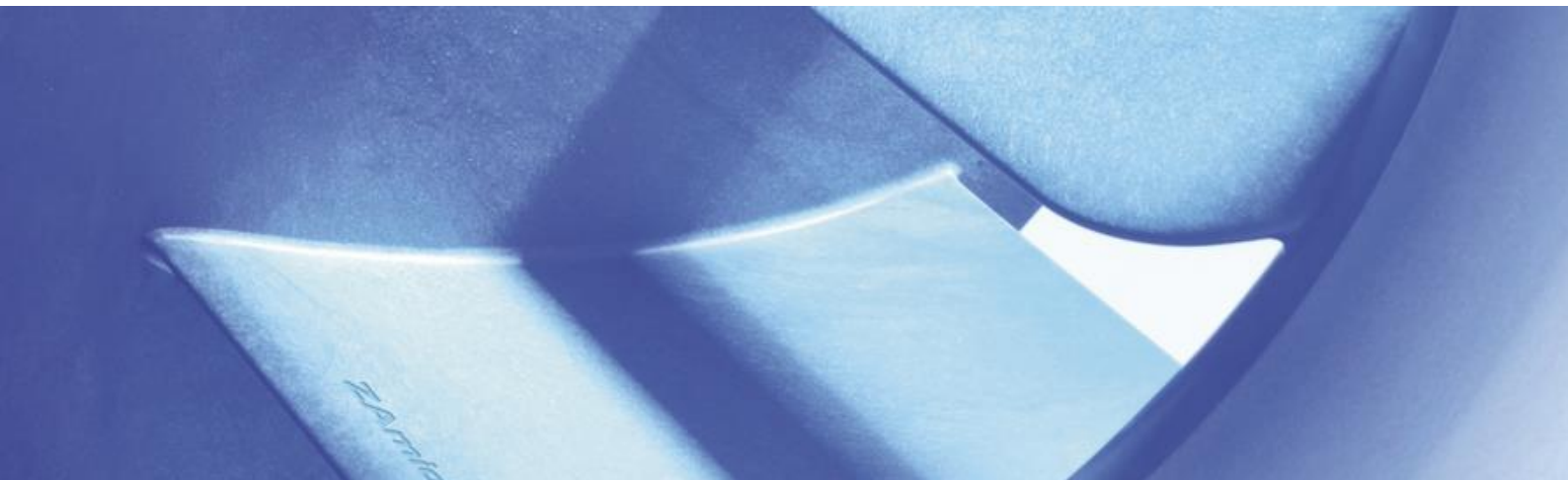


Movement by Perfection



The Royal League in **ventilation**, control and drive technology



Product documentation

Type
RH28C-6ID.BD.CR

Article number
115391

Product documentation

Customer
IV-Produkt

Project

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RH28C-6ID.BD.CR

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1. Product specification

Technical data

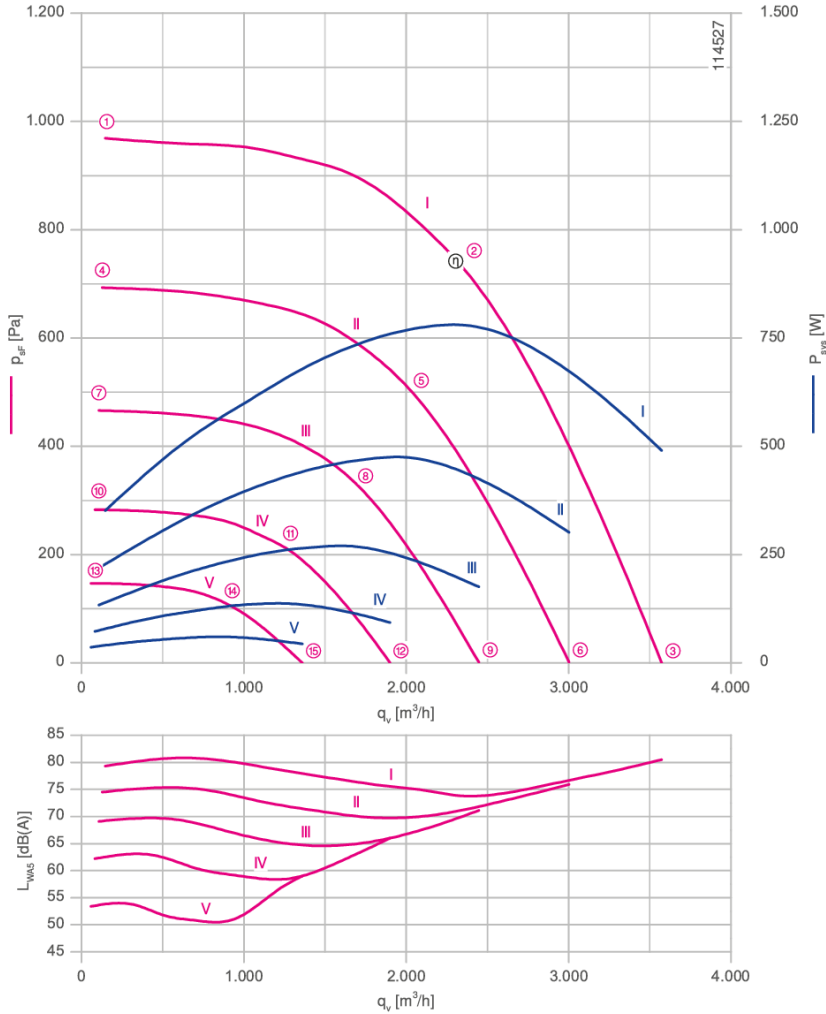
Article number	115391
Type	RH28C-6ID.BD.CR
Designation	Single inlet impeller with backward curved blades.
Rated values	1~200-277V 50/60Hz P ₁ 0.78kW 3.90-2.80A 2960min ⁻¹ 40°C
Electrical connection	Integrated controller
Control	ECblue basic (inclusive MODBUS)
Min. operating temperature [°C]	-20
Material impeller	ZAmid
Painting impeller	unpainted
Colour impeller	like RAL 5002 (ultramarine blue)
Connection diagram	1360-384
Rating plate	1x fixed.
Installation position	H/Vu/Vo
Motor protection	integrated active temperaturemanagement
Type of protection	IP54
Thermal class	Thermal class 155
Impregnation	Moisture and hot climate protection
Balancing	6,3
Quality of bearings	ball bearing with long-time lubrication
Labelling UL/CSA	UL in process
Weight kg	6,00
ErP Data	Efficiency η_{statA} : 68.6 % Efficiency: $N_{actual} = 80.2 / N_{target} = 62^*$ *ErP 2015

2. Characteristic curve

Characteristic curve

Frequency: 50 Hz

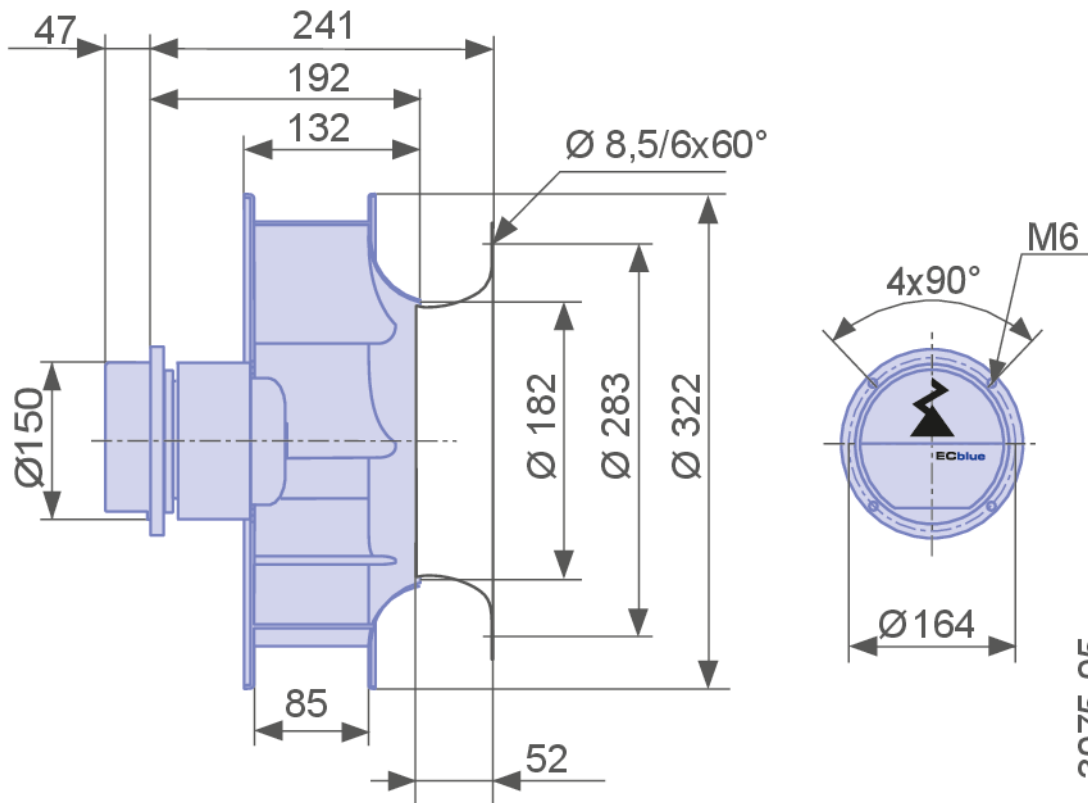
Measured with full bell mouth without inlet guard grille



I = 2970/min, II = 2500/min, III = 2050/min, IV = 1600/min, V = 1150/min

Operating point	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮
Characteristic curve	I	I	I	II	II	II	III	III	III	IV	IV	IV	V	V	V
Connection	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Voltage	V	230	230	230	230	230	230	230	230	230	230	230	230	230	230
Current	A	1,55	3,50	2,20	1,00	2,10	1,35	0,62	1,20	0,80	0,37	0,64	0,44	0,22	0,31
Speed	min^{-1}	2960	2960	2960	2500	2500	2500	2050	2050	2050	1600	1600	1600	1150	1150
Suction side sound power level	dB(A)	79	74	81	75	70	76	69	65	71	62	59	66	53	51

3. Drawing



L-KL-3075-05

The Royal League Die Königsklasse

ohne L Öfferrad und Düse dargestellt
shown without impeller and inlet ring

Masse und Darstellung ohne Befestigungsteile
weight and illustration without mounting parts

Typ type	Motor motor	B2	DA	DD	DL	DN	D1	E1	H	H1	H2	H5	H6	U	Z	W	MLR_MASSE_	GES_MASSE_
TYP	MOTOR	B2	DA	DD	DL	DN	D1	E1	H	H1	H2	H5	H6	U	Z	W	MLR_MASSE_	GES_MASSE_
RH25C-6ID.BD.CR	MK090-40	76.0	277.0	290.0	163.7	290.0	201.8	257.0	271.0	47.0	113.5	179.9	224.4	2.5	6	60.0	6	7
RH28C-6ID.BD.CR	MK090-40	85.0	303.0	322.0	181.6	322.0	225.3	283.0	286.0	52.0	126.0	192.4	241.4	3.0	6	60.0	6	7
RH31C-6ID.BD.CR	MK090-40	95.0	343.0	360.0	203.8	360.0	253.2	317.0	308.5	58.5	140.0	206.4	261.9	3.0	8	45.0	7	8

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Dimensions in mm
Shown drawing is just to show the dimensions of the fan.