

C-ECblue

for direct current, 110 V

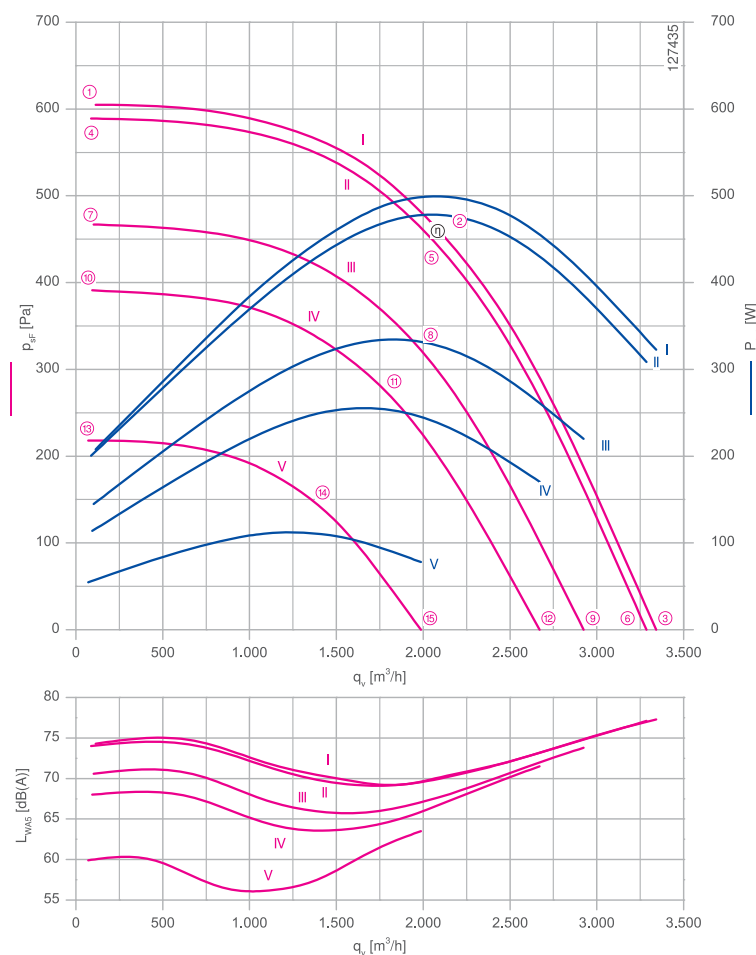
RH31C-61K



Description

Motor technology: EC
 Rated voltage U_N : **DC110 V***
 Input power P_{sys} : **500 W***
 Rated current I_N : **4.60 A***
 Rated speed n_N : **2120 min⁻¹***
 Thermal class: **THCL155***
 Min. permitted ambient temperature t_{r1} : -35 °C***
 Max. permitted ambient temperature t_{r1} at n_{max} : 45 °C
 Electrical connection: Integrated controller
 Balancing quality: G 6.3
 Degree of protection : IP54
 Motor protection: Integrated active temperature management
 Impeller : aluminium, uncoated
 Conformity: CE
 *Rated data
 *** Continuous operation with occasional starts (S1) according to DIN EN 60034-1:2011-02. Occasional starting between -35 °C and -25 °C is permissible. Continuous operation below -25 °C only with special bearings for refrigeration applications on request.

Characteristic curve

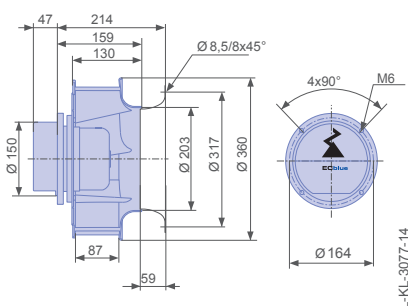


Measured with inlet ring, without guard grille according to ISO 5801

Inlet ring	00411853	RAL 7032 (pebble grey)	Page 302
Inlet ring	00411846	unpainted	
Connection diagram	1360-384		Page 326

Dimensions mm

Free-running motorized impeller RH
 in installation position H/Vu/Vo



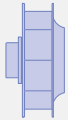
Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min ⁻¹		I A	P _{sys} W	L _{WAS} dB(A)	t _R °C
RH31C-6IK.BA.1R	I	2120	①	1.85	210	74	
		2120*	②	4.60*	500	70	45
		2120	③	2.90	320	77	
	II	2090	④	1.80	200	74	
			⑤	4.40	480	70	50
			⑥	2.80	310	77	
	III	1860	⑦	1.30	140	71	
			⑧	3.00	330	67	60
			⑨	2.00	220	74	
	IV	1700	⑩	1.05	110	68	
			⑪	2.30	250	64	60
			⑫	1.55	170	72	
	V	1270	⑬	0.50	55	60	
			⑭	1.00	110	57	60
			⑮	0.70	80	64	

*rated data

Fan ordering information

Design RH*

Installation position H/Vu/Vo



Type **RH31C-6IK.BA.1R**

Article no. **174665**

Weight kg 4.40

* inlet ring not included

Control technology

Operating terminal



Page 316