

C-series EC technology  
12/2017

Fans for railroad engineering  
01/2017

# C-ECblue

for direct current, 110 V

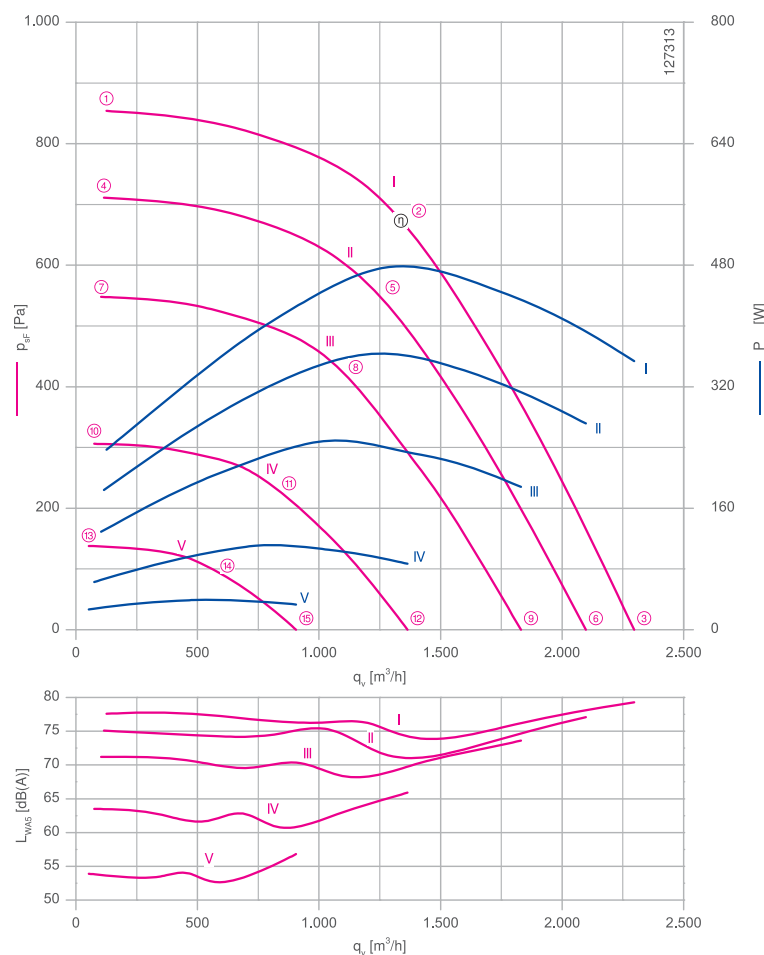
RH25C-61K



## Description

Motor technology: EC  
 Rated voltage  $U_N$ : **DC110 V\***  
 Input power  $P_{sys}$ : **480 W\***  
 Rated current  $I_N$ : **4.40 A\***  
 Rated speed  $n_N$ : **3120 min<sup>-1</sup>\***  
 Thermal class: **THCL155\***  
 Min. permitted ambient temperature  $t_{r, min}$ : -35 °C\*\*\*  
 Max. permitted ambient temperature  $t_{r, max}$ : 50 °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

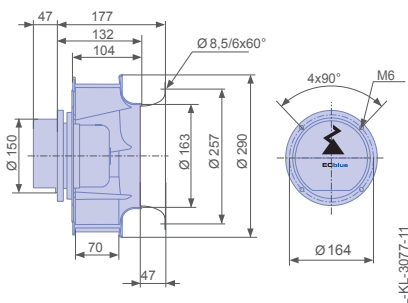


Measured with inlet ring, without guard grille according to ISO 5801

Inlet ring	00401777	RAL 7032	Page 302
		(pebble grey)	
Inlet ring	00400803	unpainted	
Connection diagram	1360-384		Page 326

## Dimensions mm

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



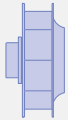
Type	Characteristic curve	Speed	Operating point	Current	Input power	Suction side sound power level	Maximum ambient temperature
		n min <sup>-1</sup>		I A	P <sub>sys</sub> W	L <sub>WAS</sub> dB(A)	t <sub>R</sub> °C
RH25C-6IK.BA.1R	I	3130	①	2.10	240	78	
		3120*	②	4.40*	480	75	50
		3120	③	3.20	350	79	
	II	2850	④	1.65	180	75	
			⑤	3.30	360	72	60
			⑥	2.50	270	77	
	III	2500	⑦	1.15	130	71	
			⑧	2.30	250	68	60
			⑨	1.70	190	74	
	IV	1870	⑩	0.56	65	64	
			⑪	1.00	110	61	60
			⑫	0.78	85	66	
	V	1250	⑬	0.24	26	54	
			⑭	0.35	40	53	60
			⑮	0.30	34	57	

\*rated data

### Fan ordering information

Design RH\*

Installation position H/Vu/Vo



Type **RH25C-6IK.BA.1R**

Article no. **174661**

Weight kg 7.00

\* inlet ring not included

### Control technology

Operating terminal



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