

C-series EC technology  
12/2010

Fans for railroad engineering  
01/2011

# C-ECblue

for direct current, 110 V

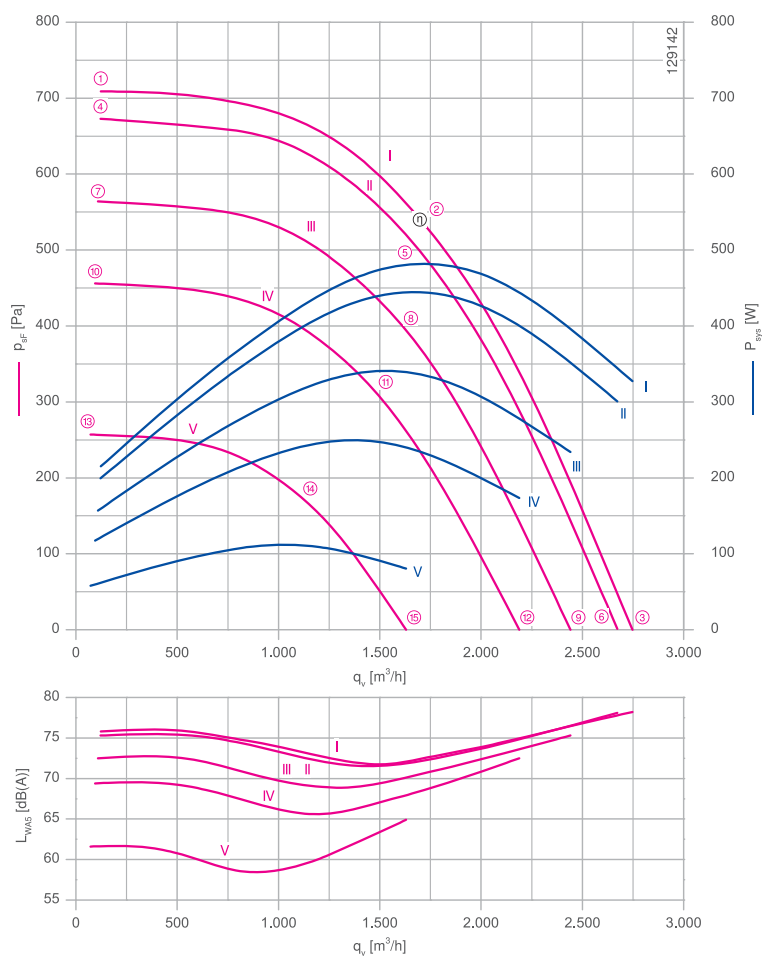
RH28C-61K



## 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  $n_N$ : **2550 min<sup>-1</sup>\***  
 Thermal class: **THCL155\***  
 Min. permitted ambient temperature  $t_{r\min}$ : -35 °C\*\*\*  
 Max. permitted ambient temperature  $t_{r\max}$  at  $n_{\max}$ : 40 °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

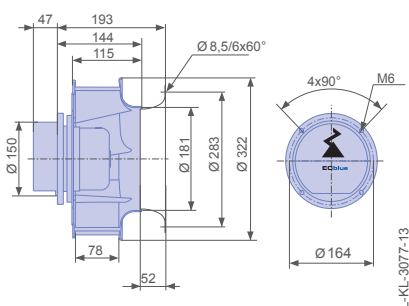


Measured with inlet ring, without guard grille according to ISO 5801

Inlet ring	00401778	RAL 7032	Page 302
		(pebble grey)	
		unpainted	
Inlet ring	00400804		
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
RH28C-6IK.BA.1R	I	2550	①	1.95	220	76	
		2550*	②	4.40*	480	72	40
		2550	③	3.00	330	78	
	II	2480	④	1.80	200	75	
			⑤	4.20	440	72	50
			⑥	2.70	300	78	
	III	2270	⑦	1.40	160	73	
			⑧	3.10	340	70	60
			⑨	2.10	230	75	
	IV	2040	⑩	1.05	120	69	
			⑪	2.30	250	67	60
			⑫	1.55	170	73	
	V	1530	⑬	0.52	60	62	
			⑭	1.00	110	59	60
			⑮	0.72	80	65	

\*rated data

### Fan ordering information

Design RH\*

Installation position H/Vu/Vo



Type **RH28C-6IK.BA.1R**

Article no. **174663**

Weight kg 5.00

\* inlet ring not included

### Control technology

Operating terminal



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