

Dry transformer cooling

Fans for transformer cooling

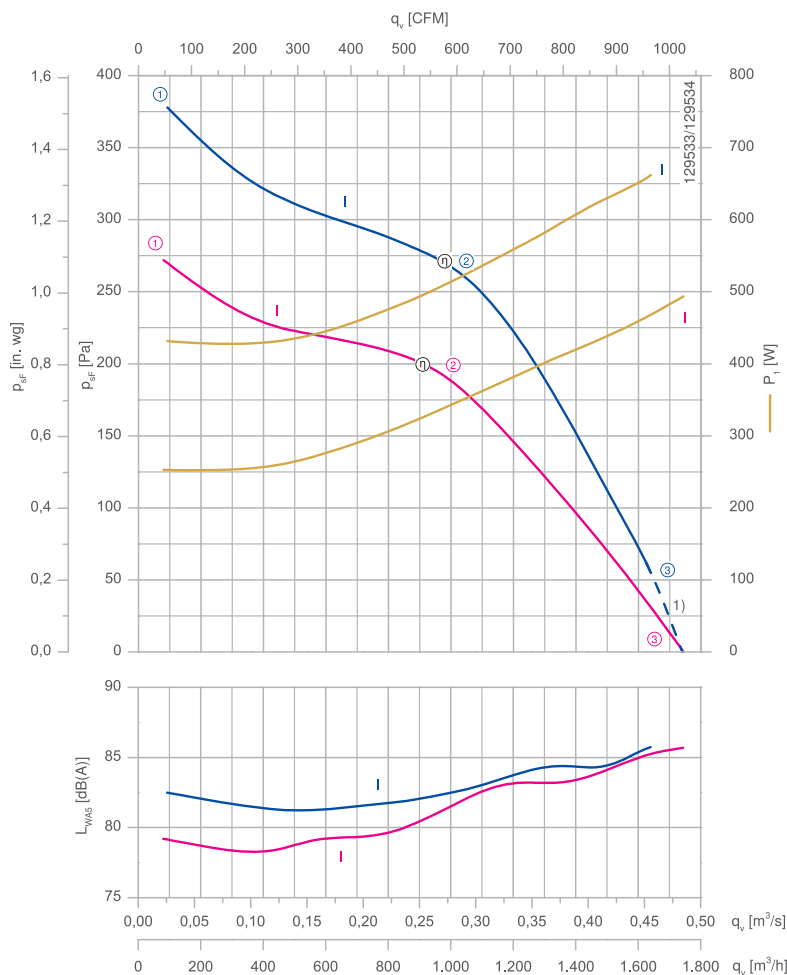
Cross flow fan

for single phase alternating current, 2 pole

QK10A-2E



Characteristic curve



Description

Motor technology: AC
 Rated voltage U_N: 1~ 230 V ±10%
 Rated frequency f_N: 50 Hz | 60 Hz*
 Input power P_i:
 640 W | 720 W*
 Rated current I_N:
 2,80 A | 3,10 A*
 Rated speed n_N:
 2630 min⁻¹ | 2800 min⁻¹*
 Starting current I_A: 4.60 A
 *Service capacitor C_{400V}: 10,0 μF
 Thermal class: THCL155*
 Min. permitted ambient temperature t_{R(min)}: -20 °C
 Max. permitted ambient temperature t_{R(max)}: 70 °C
 Electrical connection: Prewired to a terminal strip, capacitor fitted and connected
 Minimum pressing p_{sF(min)}: 60PA
 Degree of protection : IP10
 Impeller : aluminium
 Housing: Side plates galvanised steel, casing profile aluminium, guide vane steel uncoated
 Conformity: ErP 2015, CE
ErP-data
 Efficiency η_{statA}: 20,8 %
 Efficiency: N_{actual} = 24,5 / N_{target} = 21**
 *ErP 2015
 **Rated data; P_i, d determined at 180° guide plates

Measured without guide plate 180° according to ISO 5801.

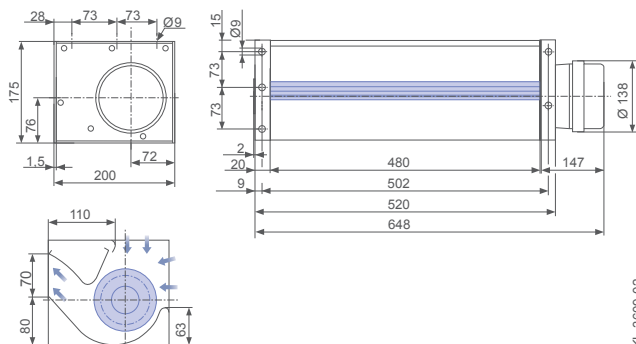
1) Do not operate in this area

Connection diagram 1360-104XA Page 252
 OHNE

Airflow direction

Dimensions mm

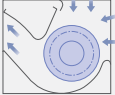
Crossflow fan



L-KL-3609-02

Type	Characteristic curve	Voltage	Frequency	Operating point	Current	Input power	Speed	Suction side sound power level L_{WA5} dB(A)
		U V	f Hz		I A	P_1 W	n min ⁻¹	
QK10A-2EM.48.FK	I	230	50	①	1.20	250	2890	79
	I	230		②	1.45	320	2820	81
	I	230*		③	2.20*	500*	2630*	86
	I	230	60	①	2.10	440	3370	83
	I	230		②	2.30	500	3240	82
	I	230		③	3.10	720	2800	86

Fan ordering information

Design	QK
Installation position	H
	
Type	QK10A-2EM.48.FK
Article no.	110179
Weight kg	9.50

Information

Oil transformer cooling

Dry transformer cooling

System components

Control technology

Appendix