

Plug fan Cpro

ER56Cpro

Motor PMblue IE4 and AMblue IE3



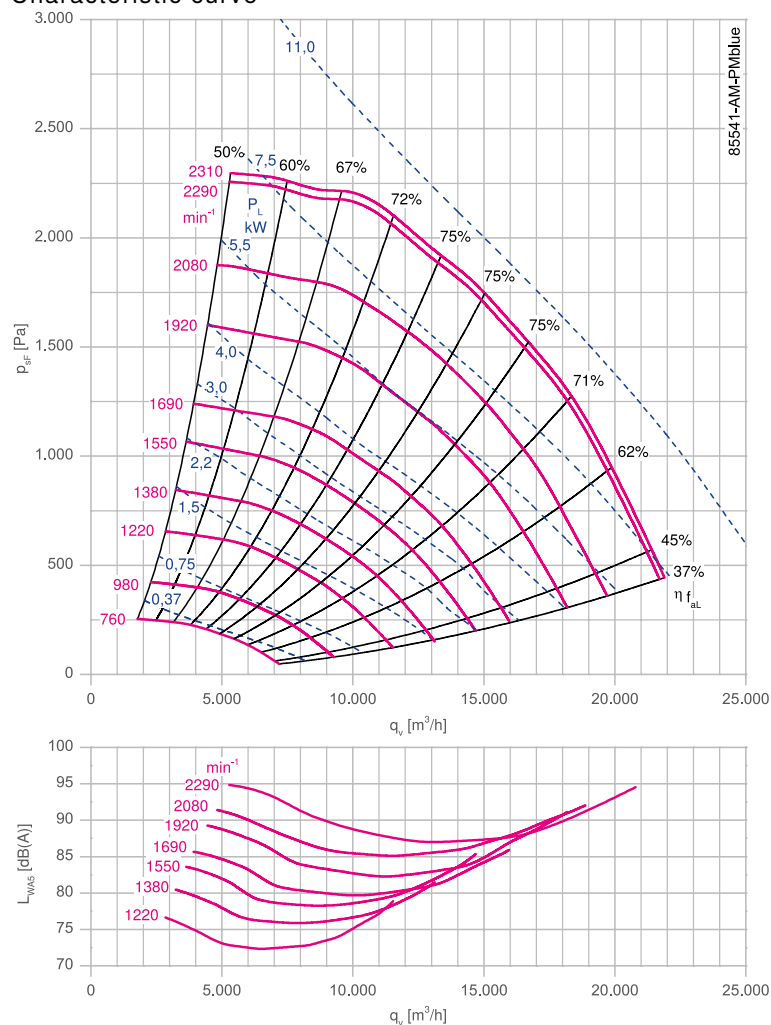
Description

Plug fan with high performance centrifugal impeller
Impeller made of ZAmid unpainted like RAL 5002 (ultramarine blue)
Inlet nozzle with measuring device for air flow measurement
Motor with built-on PMIcontrol basic-M
Fitting position H
Rated voltage U: 3~ 380-480 V
Rated frequency f: 50/60 Hz
Motor protection: PTC resistor
Degree of protection : IP54
Thermal class: THCL155
Min. permitted ambient temperature: -20 °C
Max. permitted ambient temperature: 40 °C
Conformity: ErP 2015, CE, EAC

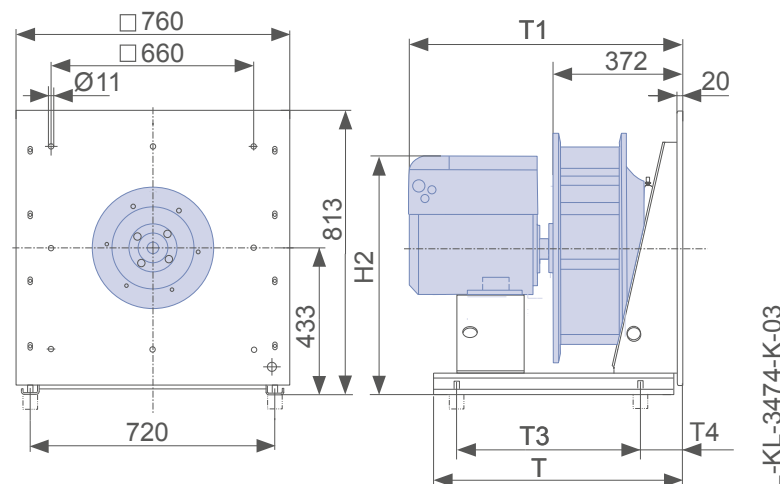
Nozzle coefficients

Standard k	308
With guard grille k_g	295

Characteristic curve



Dimensions mm



L-KL-3474-K-03



Cpro-PMblue IE4										
Rated power P_N kW	Type	Article no.	Motor size	Motor efficiency η_{mot} %	Rated current I_N A	Rated speed n_N rpm	Maximum speed n_{max} rpm	Input power P_{sys} kW	Efficiency η_{statA} %	Efficiency grade N_{actual}^*
5.45	ER56C-6IN.F7.CR	115623/2P61	112M	91.8	10.0-8.0	1900	1920	6.20	70.6	72.8
7.37	ER56C-6IN.F7.CR	115624/2P61	112M	92.0	13.0-10.5	2100	2080	8.00	70.7	71.8
9.80	ER56C-6IN.F7.CR	115625/2P61	112M	92.5	18.0-14.0	2310	2290	10.50	71.1	71.1

* ErP 2015 Target N=62 | expected limit for ErP 2020 N=64

P_N kW	Type	Weight kg	T mm	T1 mm	T3 mm	T4 mm	H2 mm	Flexible inlet connector	Guard grille	Vibration damper	
										Spring	Rubber
5.45	ER56C-6IN.F7.CR	79.00	720	752	578	115	681	00405986	00411644	02021199	02000124
7.37	ER56C-6IN.F7.CR	79.00	720	752	578	115	681	00405986	00411644	02021199	02000124
9.80	ER56C-6IN.F7.CR	96.00	720	831	578	115	742	00405986	00411644	02018876	02020907

Cpro-AMblue IE3										
Rated power P_N kW	Type	Article no.	Motor size	Motor efficiency η_{mot} %	Rated current I_N A	Rated speed n_N rpm	Maximum speed n_{max} rpm	Input power P_{sys} kW	Efficiency η_{statA} %	Efficiency grade N_{actual}^*
5.5	ER56C-4HN.G7.CR	130572/2A41	132S	89.6	11.5-9.0	1460	1920	6.80	68.9	71.0
7.5	ER56C-4HN.H7.CR	163660/2A41	132M	90.4	16.5-13.5	1460	2080	8.80	69.5	70.6
11.00	ER56C-4HN.I7.CR	163661/2A41	160M	91.4	20.0-16.0	1465	2290	11.50	70.3	70.3

* ErP 2015 Target N=62 | expected limit for ErP 2020 N=64

P_N kW	Type	Weight kg	T mm	T1 mm	T3 mm	T4 mm	H2 mm	Flexible inlet connector	Guard grille	Vibration damper	
										Spring	Rubber
5.5	ER56C-4HN.G7.CR	104.00	880	794	683	115	698	00405986	00411644	02021199	02000124
7.5	ER56C-4HN.H7.CR	115.00	880	832	683	115	698	00405986	00411644	02021199	02000124
11.00	ER56C-4HN.I7.CR	194.00	880	897	735	115	797	00405986	00411644	02018876	02020907