

Plug fan Cpro

ER50Cpro

Motor PMblue IE4 and AMblue IE3



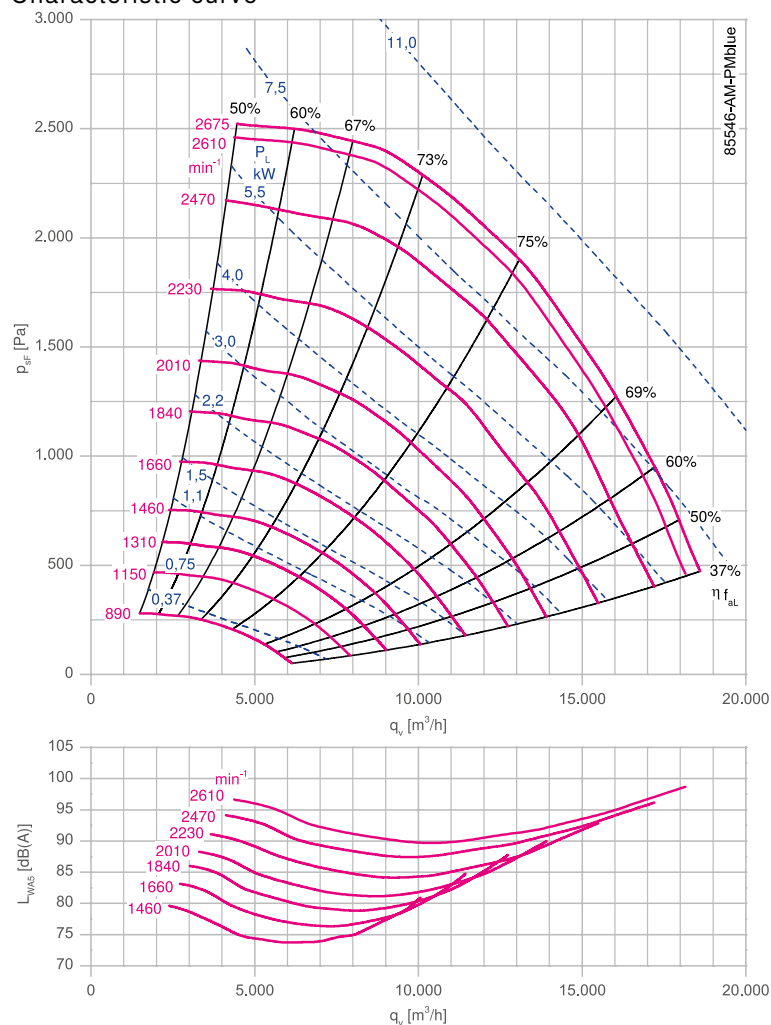
Description

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

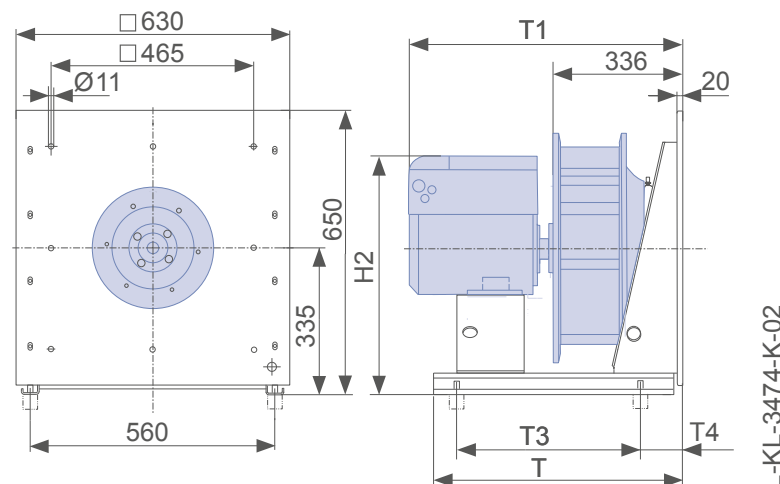
Nozzle coefficients

Standard k	252
With guard grille k _g	242

Characteristic curve



Dimensions mm



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}^*
5.37	ER50C-6IN.F7.CR	115620/2P61	112M	91.8	9.60-7.60	2250	2230	5.80	70.4	72.9
7.36	ER50C-6IN.F7.CR	115621/2P61	112M	92.1	13.5-10.5	2500	2470	8.00	70.7	71.8
9.00	ER50C-6IN.F7.CR	115622/2P61	112M	92.0	16.5-13.0	2675	2610	9.80	70.6	71.0

* 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
5.37	ER50C-6IN.F7.CR	66.00	728	716	578	115	583	00406515	00411574	02021198	02000124
7.36	ER50C-6IN.F7.CR	69.00	728	716	578	115	583	00406515	00411574	02021198	02000124
9.00	ER50C-6IN.F7.CR	83.00	728	795	578	115	644	00406515	00411574	02021198	02000124

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	ER50C-4HN.G7.CR	130579/2A41	132S	89.6	10.5-8.2	1460	2230	6.40	68.7	71.1
7.5	ER50C-4HN.H7.CR	130580/2A41	132M	90.4	16.5-13.0	1460	2470	8.80	69.3	70.3
11.00	ER50C-4HN.I7.CR	130581/2A41	160M	91.4	19.0-15.0	1465	2610	10.50	70.1	70.4

* 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	ER50C-4HN.G7.CR	91.00	728	758	578	115	600	00406515	00411574	02021198	02000124
7.5	ER50C-4HN.H7.CR	102.00	728	796	578	115	600	00406515	00411574	02021198	02000124
11.00	ER50C-4HN.I7.CR	182.00	888	861	735	115	699	00406515	00411574	02021199	02000124