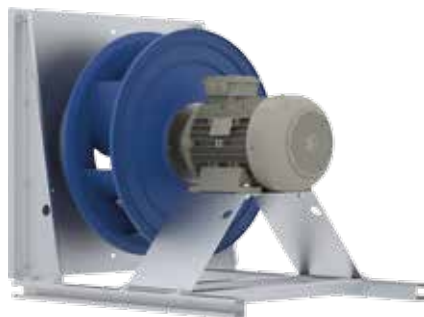


Plug fan Cpro

ER45Cpro

Motor ZAmotpremium IE2 and IE3



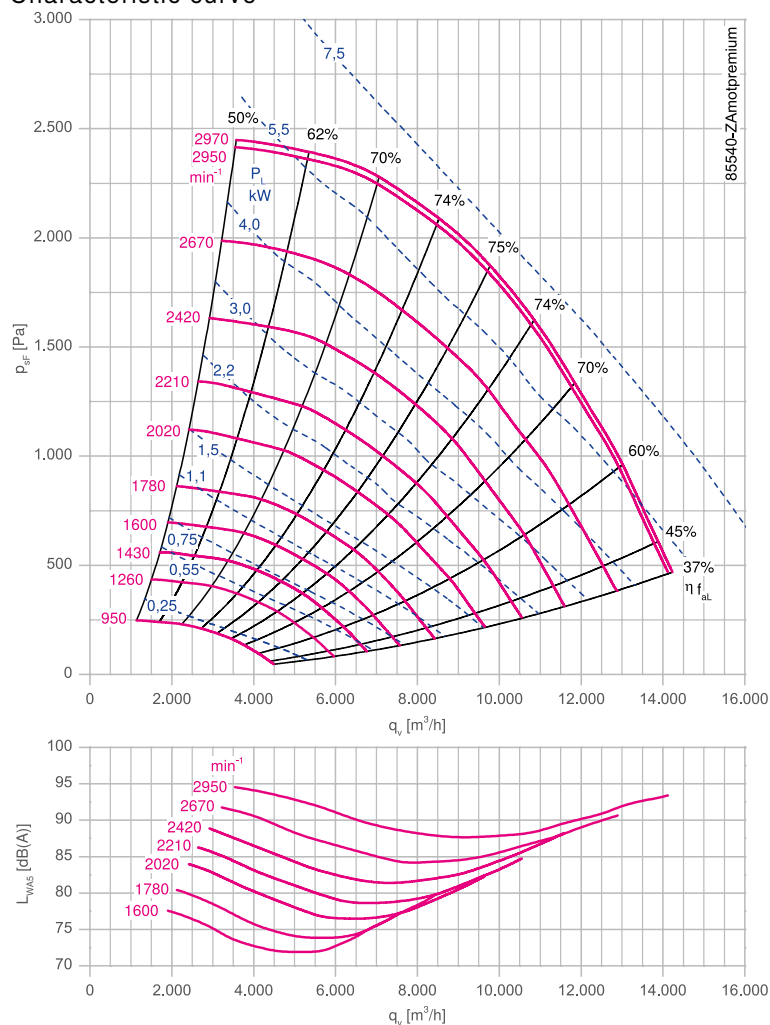
Description

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
Fitting position H
Rated voltage U: 3~ 400 V
Rated frequency f: 50 Hz
Motor protection: PTC resistor
Degree of protection : IP55
Thermal class: THCL155
Min. permitted ambient temperature: -20 °C
Max. permitted ambient temperature: 40 °C
Conformity: ErP 2015, CE, EAC

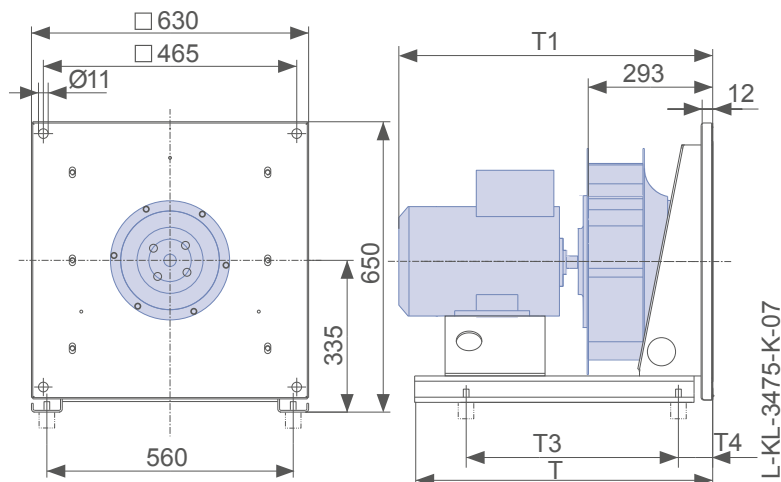
Nozzle coefficients

Standard k	197
With guard grille k _g	189

Characteristic curve



Dimensions mm



Cpro-ZAmotpremium IE2

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	Maximum frequency f_{max} Hz	Efficiency η_{statA} %	Efficiency grade N_{actual}^*
1.1	ER45C-4DN.C7.CR	130582/2101	090S/L	81.4	2.50	1425	1600	56	62.5	71.7
1.5	ER45C-4DN.D7.CR	130583/2101	090L/S	82.8	3.30	1435	1780	62	63.6	71.4
2.2	ER45C-4DN.E7.CR	130584/2101	100L	84.3	4.60	1455	2010	69	64.7	71.0
3.00	ER45C-4DN.E7.CR	130585/2101	100L	85.5	6.20	1455	2210	76	65.7	70.7
4.00	ER45C-4DN.F7.CR	130586/2101	112M	86.6	8.20	1460	2420	83	66.5	70.3
5.5	ER45C-4DN.G7.CR	130587/2101	132S/M	87.7	11.40	1465	2670	91	67.3	69.9
7.5	ER45C-2DN.G7.CR	130588/2101	132S/M	88.1	14.20	2950	2950	50	67.6	68.8

* 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	Flexible inlet connector	Guard grille	Vibration damper		Frequency inverters 3~
									Spring	Rubber	
1.1	ER45C-4DN.C7.CR	41.00	570	618	315	115	00406515	00411573	02021197	00090144	308228
1.5	ER45C-4DN.D7.CR	44.00	570	618	368	115	00406515	00411573	02021197	00090144	308230
2.2	ER45C-4DN.E7.CR	50.00	570	656	384	147	00406515	00411573	02021198	00090144	308232
3.00	ER45C-4DN.E7.CR	54.00	570	656	388	155	00406515	00411573	02021198	02000124	308234
4.00	ER45C-4DN.F7.CR	59.00	720	650	626	47	00406515	00411573	02021198	02000124	308236
5.5	ER45C-4DN.G7.CR	72.00	720	706	602	91	00406515	00411573	02021198	02000124	308265
7.5	ER45C-2DN.G7.CR	74.00	720	706	602	91	00406515	00411573	02021199	02000124	308267

Cpro-ZAmotpremium 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	Maximum frequency f_{max} Hz	Efficiency η_{statA} %	Efficiency grade N_{actual}^*
1.1	ER45C-4DN.C7.CR	130582/2141	090S/L	84.1	2.40	1440	1580	55	64.6	74.1
1.5	ER45C-4DN.D7.CR	130583/2141	090L/S	85.3	3.20	1445	1760	61	65.5	73.6
2.2	ER45C-4DN.E7.CR	130584/2141	100L	86.7	4.40	1465	2020	69	66.6	72.9
3.00	ER45C-4DN.E7.CR	130585/2141	100L	87.7	5.90	1460	2190	75	67.3	72.6
4.00	ER45C-4DN.F7.CR	130586/2141	112M	88.6	7.90	1460	2420	83	68.0	72.0
5.5	ER45C-4DN.G7.CR	130587/2141	132S	89.6	10.50	1470	2650	90	68.8	71.6
7.5	ER45C-2DN.G7.CR	130588/2141	132S	90.1	13.10	2950	2950	50	69.2	70.5

* 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	Flexible inlet connector	Guard grille	Vibration damper		Frequency inverters 3~
									Spring	Rubber	
1.1	ER45C-4DN.C7.CR	44.00	570	618	364	115	00406515	00411573	02021197	00090144	308228
1.5	ER45C-4DN.D7.CR	47.00	570	643	364	115	00406515	00411573	02021197	00090144	308230
2.2	ER45C-4DN.E7.CR	59.00	570	656	417	115	00406515	00411573	02021198	00090144	308232
3.00	ER45C-4DN.E7.CR	59.00	570	691	417	115	00406515	00411573	02021198	02000124	308234
4.00	ER45C-4DN.F7.CR	64.00	720	675	465	115	00406515	00411573	02021198	02000124	308236
5.5	ER45C-4DN.G7.CR	95.00	720	706	570	115	00406515	00411573	02021198	02000124	308265
7.5	ER45C-2DN.G7.CR	88.00	720	756	570	115	00406515	00411573	02021199	02000124	308267