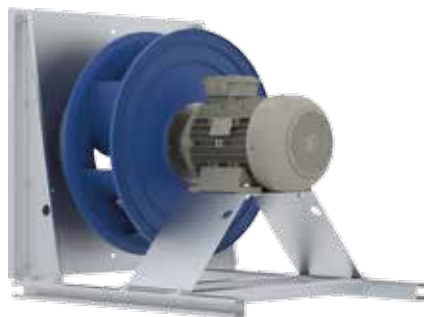


Plug fan Cpro

ER31Cpro

Motor ZAmotpremium IE2 and IE3



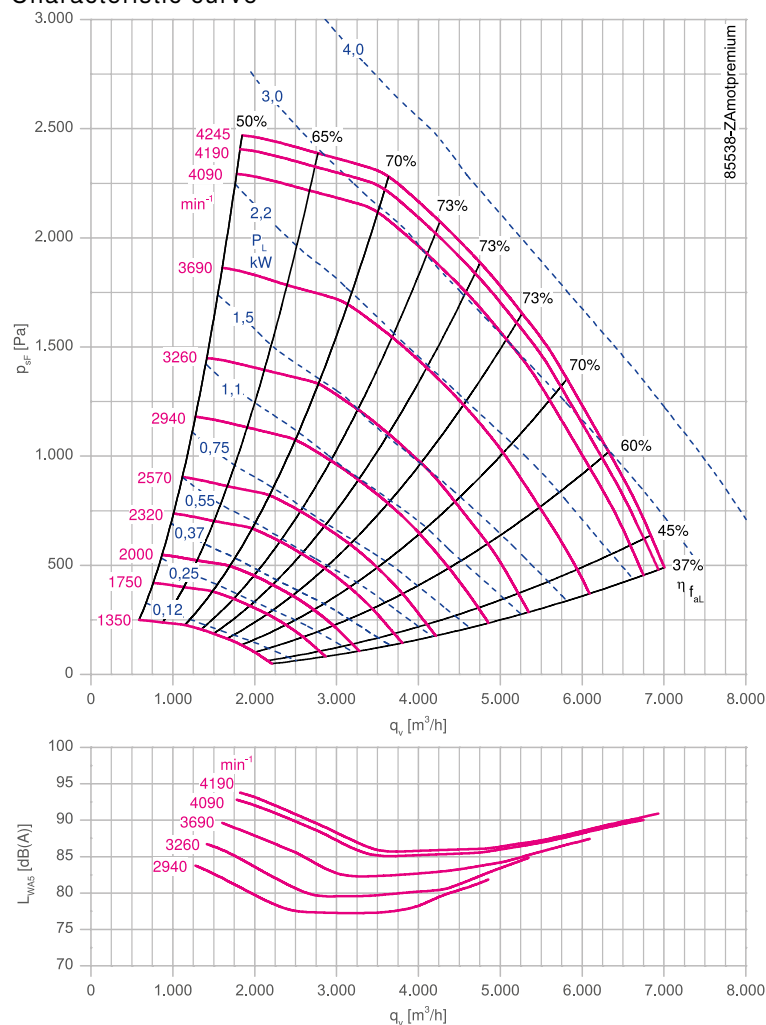
Description

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

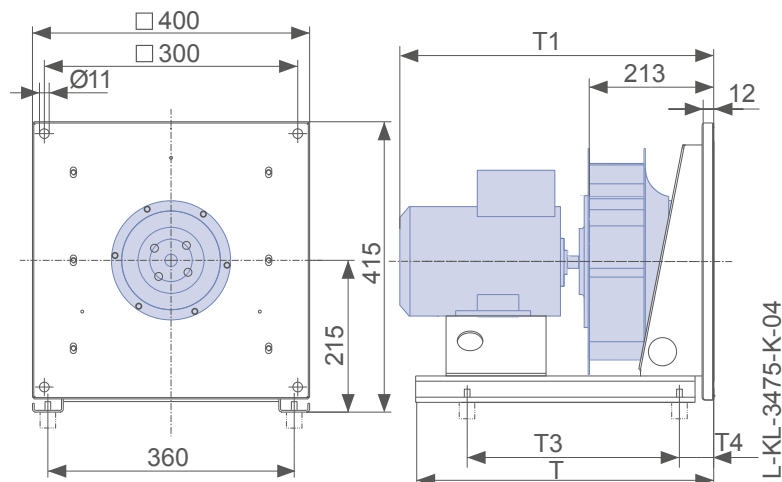
Nozzle coefficients

Standard k	95
With guard grille k _g	91

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	ER31C-2DN.B7.CR	130599/2101	080M	79.6	2.40	2830	2940	52	59.6	68.4
1.5	ER31C-2DN.C7.CR	130600/2101	090S/L	81.3	3.20	2880	3230	56	60.9	68.6
2.2	ER31C-2DN.D7.CR	130601/2101	090L/S	83.2	4.40	2880	3690	64	62.3	68.2
3.00	ER31C-2DN.E7.CR	130602/2101	100L	84.6	6.10	2905	4070	70	63.3	68.0
4.00	ER31C-2DN.F7.CR	130603/2101	112M	85.8	7.90	2945	4180	71	64.2	68.6

* 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	ER31C-2DN.B7.CR	23.00	460	489	368	60	00406513	00411570	02021196	00090144	308228
1.5	ER31C-2DN.C7.CR	28.00	570	518	470	47	00406513	00411570	02021196	00090144	308230
2.2	ER31C-2DN.D7.CR	28.00	570	534	419	60	00406513	00411570	02021197	00090144	308232
3.00	ER31C-2DN.E7.CR	35.00	570	572	446	75	00406513	00411570	02021197	00090144	308234
4.00	ER31C-2DN.F7.CR	41.00	570	566	437	106	00406513	00411570	02021197	00090144	308236

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	ER31C-2DN.B7.CR	130599/2141	080M	82.7	2.20	2885	2940	51	61.9	70.9
1.5	ER31C-2DN.C7.CR	130600/2141	090S/L	84.2	3.00	2910	3260	56	63.0	70.7
2.2	ER31C-2DN.D7.CR	130601/2141	090L/S	85.9	4.20	2910	3680	63	64.3	70.4
3.00	ER31C-2DN.E7.CR	130602/2141	100L	87.1	5.60	2920	4090	70	65.2	69.9
4.00	ER31C-2DN.F7.CR	130603/2141	112M	88.1	7.30	2945	4190	71	65.9	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	Flexible inlet connector	Guard grille	Vibration damper		Frequency inverters 3~
									Spring	Rubber	
1.1	ER31C-2DN.B7.CR	24.00	460	524	364	60	00406513	00411570	02021196	00090144	308228
1.5	ER31C-2DN.C7.CR	28.00	570	534	419	60	00406513	00411570	02021196	00090144	308230
2.2	ER31C-2DN.D7.CR	32.00	570	559	472	60	00406513	00411570	02021197	00090144	308232
3.00	ER31C-2DN.E7.CR	40.00	570	607	472	60	00406513	00411570	02021197	00090144	308234
4.00	ER31C-2DN.F7.CR	48.00	570	591	472	60	00406513	00411570	02021197	00090144	308236