

Plug fan C

ER45C

Motor PMblue IE4 and AMblue IE3



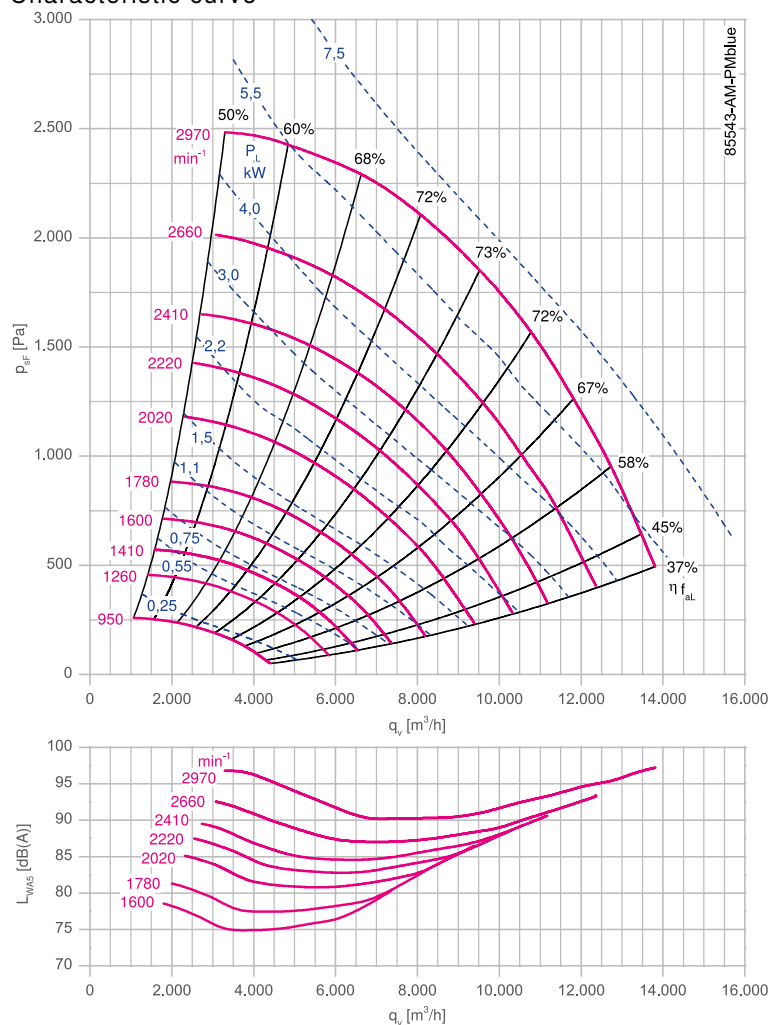
Description

Plug fan with high performance centrifugal impeller
Impeller made of bright sheet metal powder-coated according to resistance class 1 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

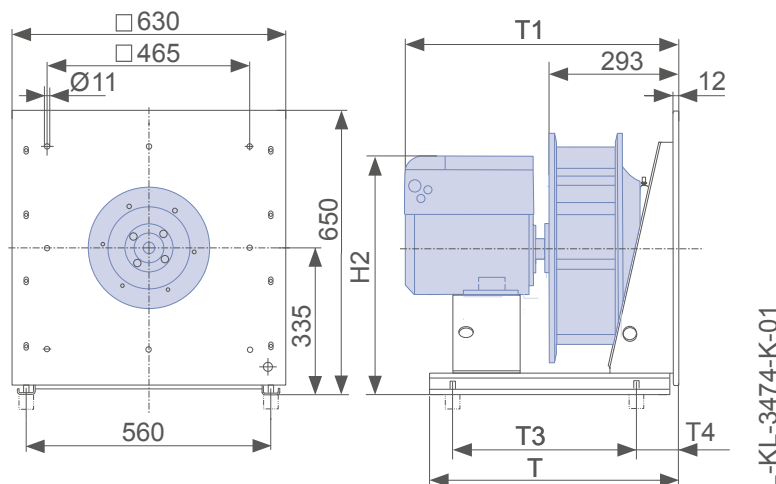
Nozzle coefficients

Standard k	197
With guard grille k _g	189

Characteristic curve



Dimensions mm



L-KL-3474-K-01



C-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}^*
5.30	ER45C-8IN.D7.1R	115618/0P61	090L	92.3	8.80-7.00	2730	2660	5.40	69.5	72.4
6.91	ER45C-6IN.F7.1R	115619/0P61	112M	92.8	12.5-10.0	3000	2970	7.60	69.8	71.3

* 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
5.30	ER45C-8IN.D7.1R	57.00	570	653	368	115	560	00406515	00411573	02021198	02000124
6.91	ER45C-6IN.F7.1R	67.00	720	660	473	115	583	00406515	00411573	02021198	02000124

C-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	ER45C-4HN.G7.1R	130587/0A41	132S	89.6	10.0-7.8	1460	2660	6.00	67.5	70.3
7.5	ER45C-2HN.G7.1R	130588/0A41	132S	90.1	15.0-12.0	2930	2970	8.00	67.8	69.1

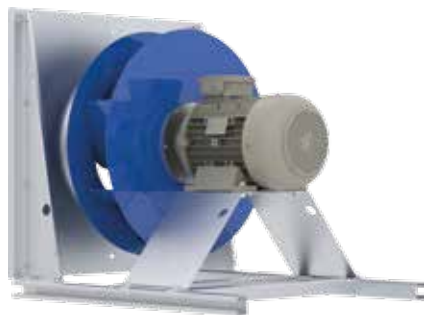
* ErP 2015 Target N=62 | expected limit for ErP 2020 N=64

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
5.5	ER45C-4HN.G7.1R	93.00	720	702	525	115	600	00406515	00411573	02021198	02000124
7.5	ER45C-2HN.G7.1R	92.00	720	702	525	115	600	00406515	00411573	02021199	02000124

Plug fan C

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Motor ZAmotpremium IE2 and IE3



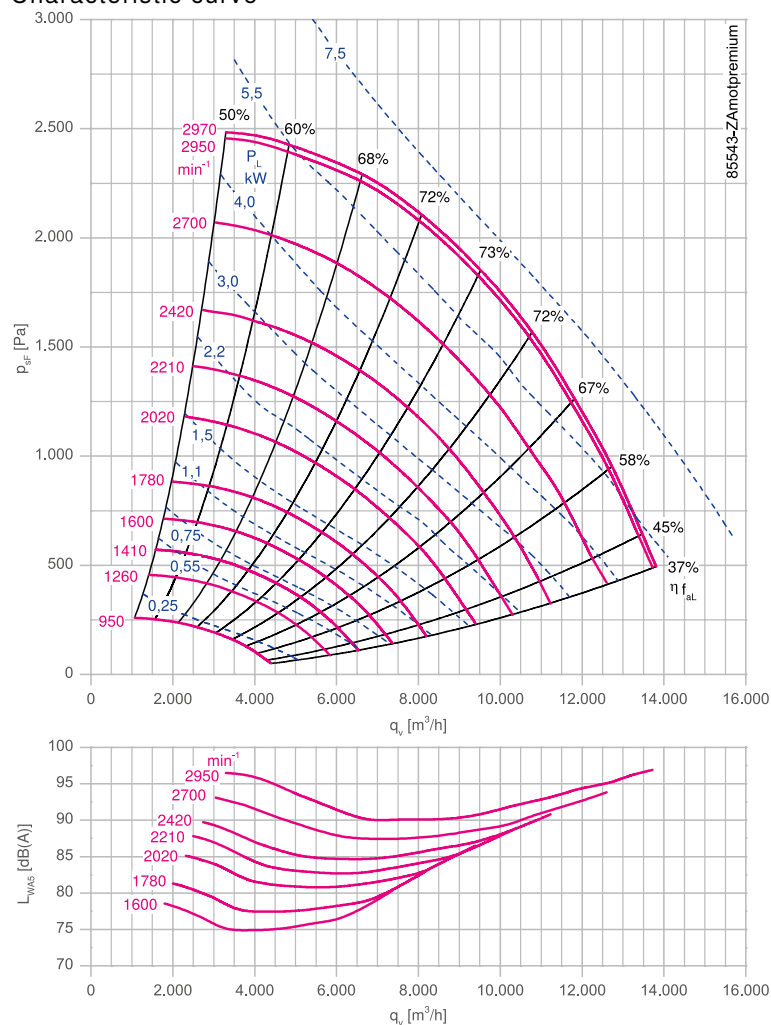
Description

Plug fan with high performance centrifugal impeller
 Impeller made of bright sheet metal powder-coated according to resistance class 1 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

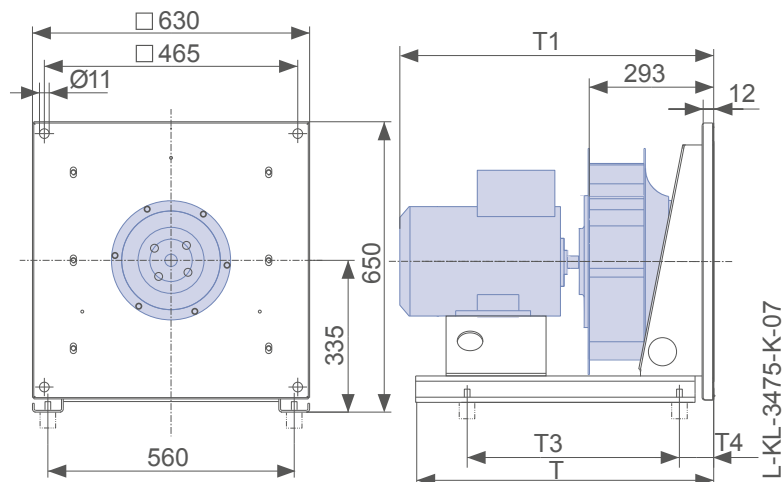
Nozzle coefficients

Standard k	197
With guard grille k_g	189

Characteristic curve



Dimensions mm



C-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.C7.1R	130582/0101	090S/L	81.4	2.50	1425	1600	56	61.3	70.6
1.5	ER45C-4DN.D7.1R	130583/0101	090L/S	82.8	3.30	1435	1780	62	62.3	70.2
2.2	ER45C-4DN.E7.1R	130584/0101	100L	84.3	4.60	1455	2010	69	63.5	69.9
3.00	ER45C-4DN.E7.1R	130585/0101	100L	85.5	6.20	1455	2210	76	64.3	69.4
4.00	ER45C-4DN.F7.1R	130586/0101	112M	86.6	8.20	1460	2420	83	65.2	69.1
5.5	ER45C-4DN.G7.1R	130587/0101	132S/M	87.7	11.40	1465	2670	91	66.0	68.6
7.5	ER45C-2DN.G7.1R	130588/0101	132S/M	88.1	14.20	2950	2950	50	66.3	67.6

* 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	ER45C-4DN.C7.1R	45.00	570	604	315	115	00406515	00411573	02021197	00090144	308228
1.5	ER45C-4DN.D7.1R	48.00	570	604	315	115	00406515	00411573	02021197	00090144	308230
2.2	ER45C-4DN.E7.1R	54.00	570	642	424	111	00406515	00411573	02021198	00090144	308232
3.00	ER45C-4DN.E7.1R	58.00	570	642	408	127	00406515	00411573	02021198	02000124	308234
4.00	ER45C-4DN.F7.1R	63.00	720	636	572	58	00406515	00411573	02021198	02000124	308236
5.5	ER45C-4DN.G7.1R	76.00	720	692	598	72	00406515	00411573	02021198	02000124	308265
7.5	ER45C-2DN.G7.1R	90.00	720	692	616	64	00406515	00411573	02021199	02000124	308267

C-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.C7.1R	130582/0141	090S/L	84.1	2.40	1440	1580	55	63.3	72.9
1.5	ER45C-4DN.D7.1R	130583/0141	090L/S	85.3	3.20	1445	1760	60	64.2	72.4
2.2	ER45C-4DN.E7.1R	130584/0141	100L	86.7	4.40	1465	2020	68	65.2	71.6
3.00	ER45C-4DN.E7.1R	130585/0141	100L	87.7	5.90	1460	2190	75	66.0	71.4
4.00	ER45C-4DN.F7.1R	130586/0141	112M	88.6	7.90	1460	2420	82	66.7	70.7
5.5	ER45C-4DN.G7.1R	130587/0141	132S	89.6	10.50	1470	2700	92	67.4	70.0
7.5	ER45C-2DN.G7.1R	130588/0141	132S	90.1	13.10	2950	2950	50	67.8	69.2

* 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.C7.1R	48.00	570	604	312	115	00406515	00411573	02021197	00090144	308228
1.5	ER45C-4DN.D7.1R	51.00	570	629	364	115	00406515	00411573	02021197	00090144	308230
2.2	ER45C-4DN.E7.1R	63.00	570	677	417	115	00406515	00411573	02021198	00090144	308232
3.00	ER45C-4DN.E7.1R	63.00	570	677	417	115	00406515	00411573	02021198	02000124	308234
4.00	ER45C-4DN.F7.1R	68.00	720	661	465	115	00406515	00411573	02021198	02000124	308236
5.5	ER45C-4DN.G7.1R	98.00	720	692	570	115	00406515	00411573	02021198	02000124	308265
7.5	ER45C-2DN.G7.1R	91.00	720	742	518	115	00406515	00411573	02021199	02000124	308267