

Plug fan C

ER40C

Motor PMblue IE4 and AMblue IE3



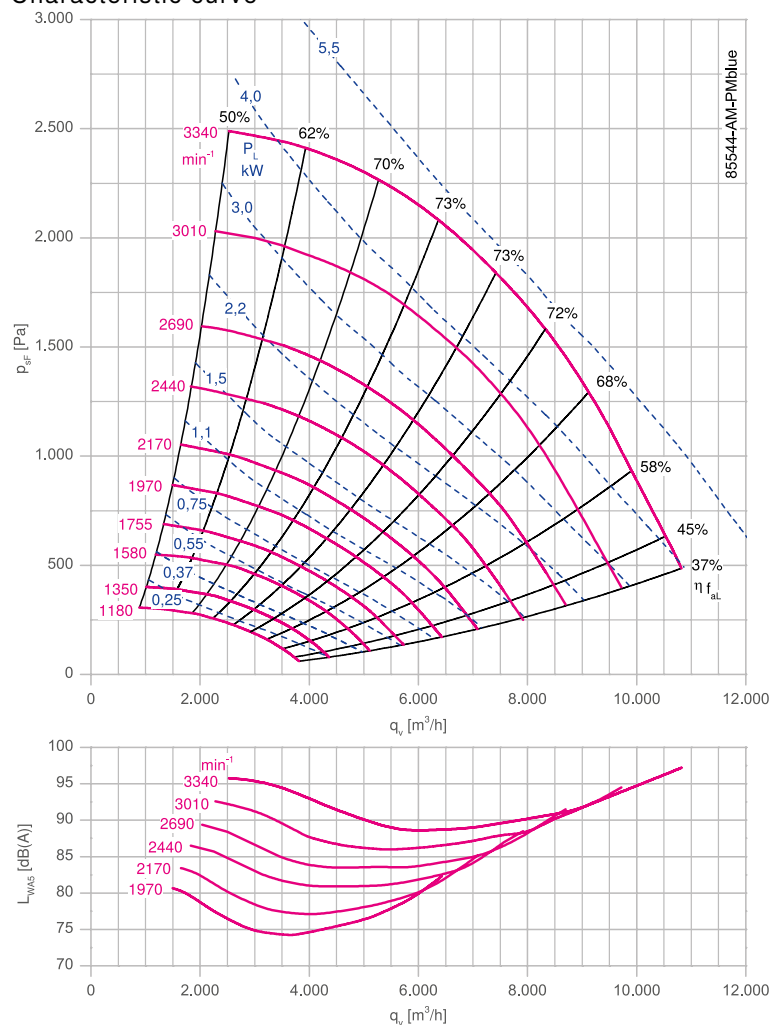
Description

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

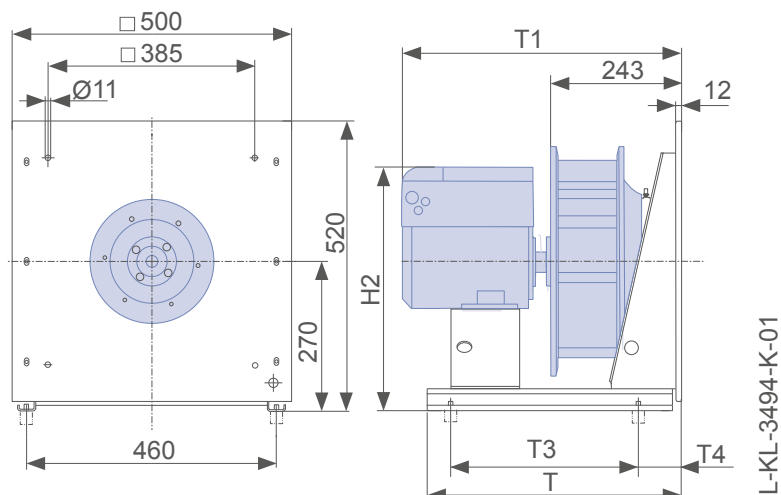
Nozzle coefficients

Standard k	154
With guard grille k_g	148

Characteristic curve



Dimensions mm



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	ER40C-8IN.D7.1R	115617/0P61	090L	92.2	9.20-7.20	3300	3340	5.80	69.0	71.6

* 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	H2 mm	Flexible inlet connector	Guard grille	Vibration damper	
5.30	ER40C-8IN.D7.1R	46.00	570	619	368	115	495	00406514	00411572	Spring	Rubber
										02021197	00090144

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	ER40C-2HN.G7.1R	130594/0A41	132S	89.2	10.5-8.2	2930	3340	6.20	66.8	69.2

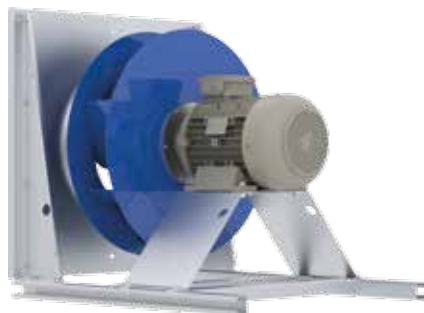
* ErP 2015 Target N=62 | expected limit for ErP 2020 N=64

P_N kW	Type	Weight kg	T mm	T1 mm	T3 mm	T4 mm	H2 mm	Flexible inlet connector	Guard grille	Vibration damper	
5.5	ER40C-2HN.G7.1R	78.00	720	673	525	115	535	00406514	00411572	Spring	Rubber
										02021198	00090144

Plug fan C

ER40C

Motor ZAmotpremium IE2 and IE3



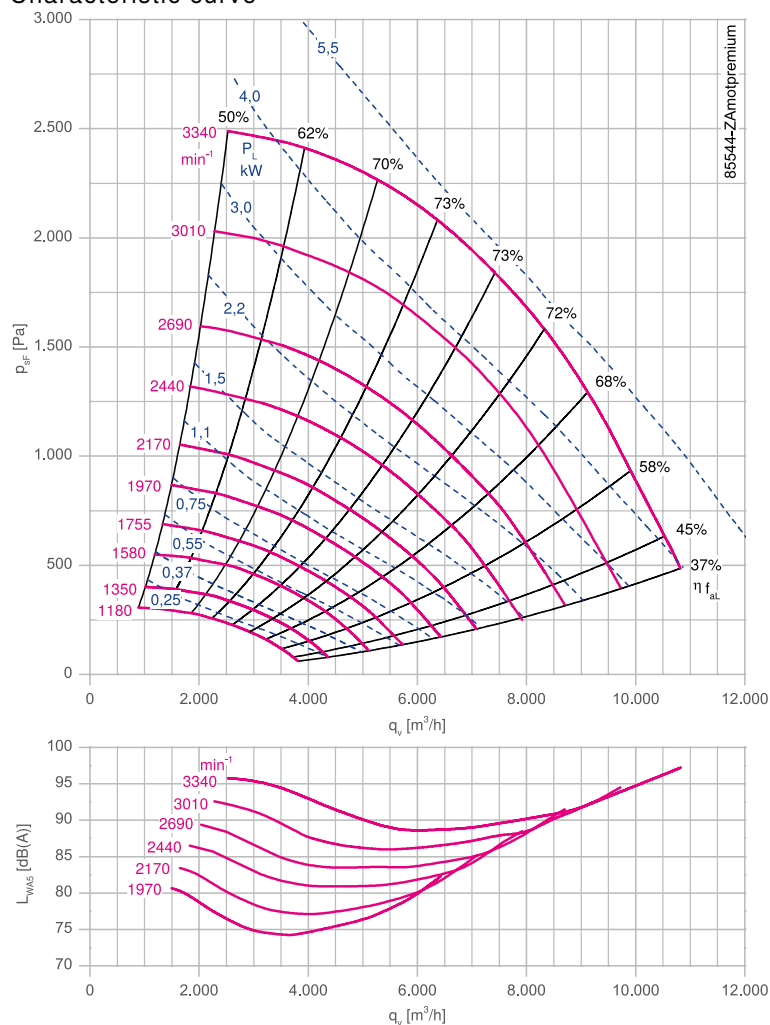
Description

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

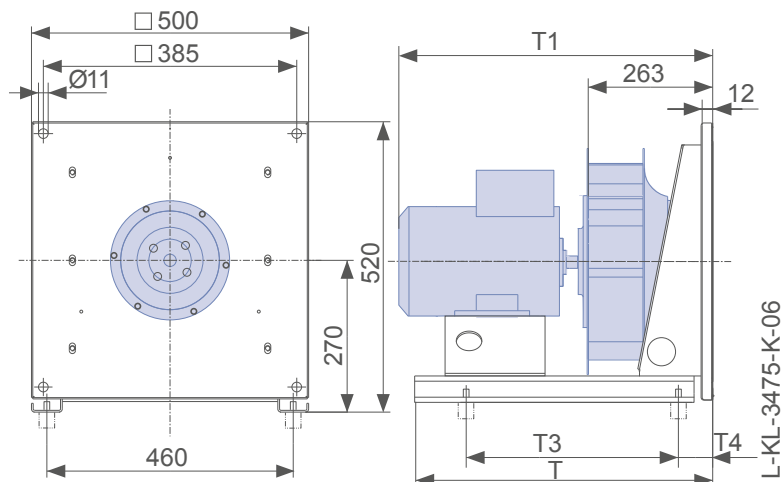
Nozzle coefficients

Standard k	154
With guard grille k _g	148

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	ER40C-4DN.C7.1R	130589/0101	090S/L	81.4	2.50	1425	1970	69	61.0	70.2
1.5	ER40C-4DN.D7.1R	130590/0101	090L/S	82.8	3.30	1435	2150	75	62.0	70.1
2.2	ER40C-4DN.E7.1R	130591/0101	100L	84.3	4.60	1455	2440	84	63.1	69.6
3.00	ER40C-4DN.E7.1R	130592/0101	100L	85.5	6.20	1455	2680	92	64.0	69.2
4.00	ER40C-2DN.F7.1R	130593/0101	112M	85.8	7.90	2945	3000	50	64.2	67.9
5.5	ER40C-2DN.G7.1R	130594/0101	132S/M	87.0	10.40	2950	3340	57	65.1	67.4

* 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	ER40C-4DN.C7.1R	35.00	570	570	315	115	00406514	00411572	02021197	00090144	308228
1.5	ER40C-4DN.D7.1R	38.00	570	570	315	115	00406514	00411572	02021197	00090144	308230
2.2	ER40C-4DN.E7.1R	44.00	570	609	428	107	00406514	00411572	02021197	00090144	308232
3.00	ER40C-4DN.E7.1R	48.00	570	609	412	123	00406514	00411572	02021198	00090144	308234
4.00	ER40C-2DN.F7.1R	59.00	720	602	520	70	00406514	00411572	02021198	00090144	308236
5.5	ER40C-2DN.G7.1R	69.00	720	663	578	71	00406514	00411572	02021198	00090144	308265

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	ER40C-4DN.C7.1R	130589/0141	090S/L	84.1	2.40	1440	1960	68	63.0	72.5
1.5	ER40C-4DN.D7.1R	130590/0141	090L/S	85.3	3.20	1445	2170	75	63.9	72.0
2.2	ER40C-4DN.E7.1R	130591/0141	100L	86.7	4.40	1465	2430	83	64.9	71.6
3.00	ER40C-4DN.E7.1R	130592/0141	100L	87.7	5.90	1460	2690	92	65.7	71.0
4.00	ER40C-2DN.F7.1R	130593/0141	112M	88.1	7.30	2945	3010	51	65.9	69.7
5.5	ER40C-2DN.G7.1R	130594/0141	132S/M	89.2	9.90	2950	3340	57	66.8	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	ER40C-4DN.C7.1R	38.00	570	570	312	115	00406514	00411572	02021197	00090144	308228
1.5	ER40C-4DN.D7.1R	41.00	570	595	312	115	00406514	00411572	02021197	00090144	308230
2.2	ER40C-4DN.E7.1R	53.00	570	609	417	115	00406514	00411572	02021197	00090144	308232
3.00	ER40C-4DN.E7.1R	53.00	570	644	417	115	00406514	00411572	02021198	00090144	308234
4.00	ER40C-2DN.F7.1R	58.00	720	627	465	115	00406514	00411572	02021198	00090144	308236
5.5	ER40C-2DN.G7.1R	69.00	720	663	518	115	00406514	00411572	02021198	00090144	308265