

Plug fan C

ER50C

Motor PMblue IE4 and AMblue IE3



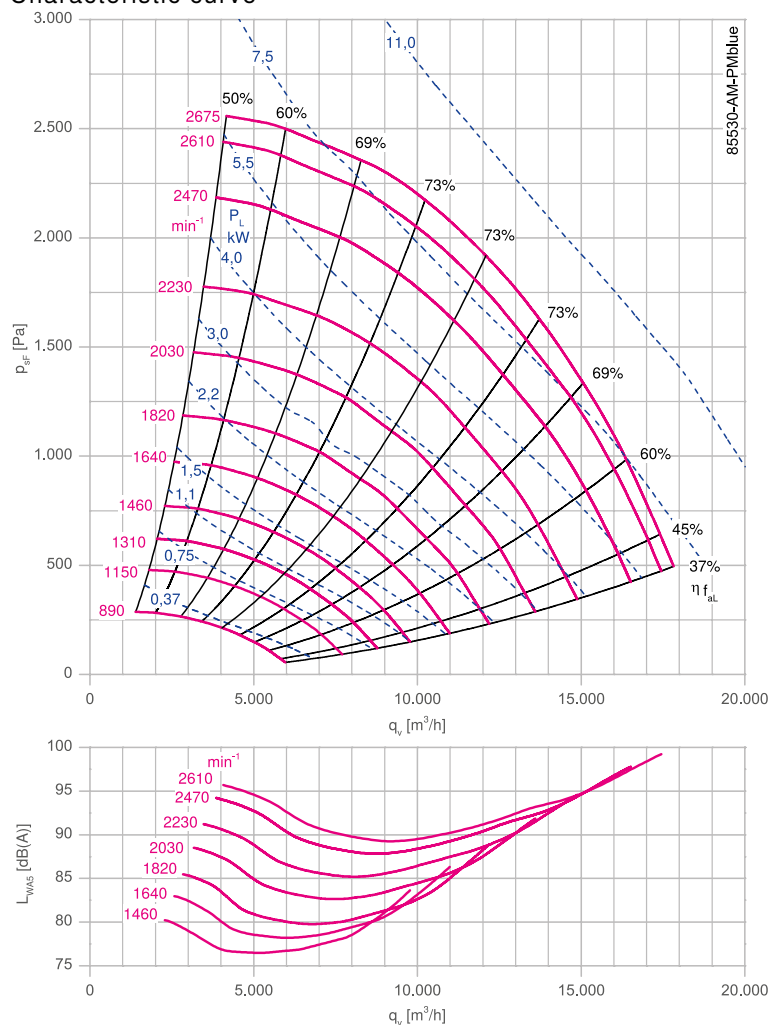
Description

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

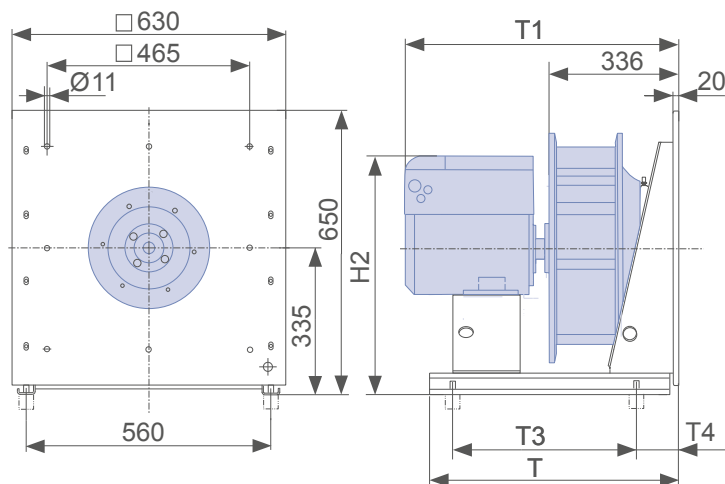
Nozzle coefficients

Standard k	252
With guard grille k _g	242

Characteristic curve



Dimensions mm



L-KL-3474-K-02



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}^*
5.37	ER50C-6IN.F7.1R	115620/0P61	112M	91.8	9.40-7.40	2250	2230	5.80	68.9	71.5
7.36	ER50C-6IN.F7.1R	115621/0P61	112M	92.1	13.0-10.5	2500	2470	7.80	69.1	70.3
9.00	ER50C-6IN.F7.1R	115622/0P61	112M	92.0	16.0-12.5	2675	2610	9.40	69.0	69.5

* 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	H2 mm	Flexible inlet connector	Guard grille	Vibration damper	
										Spring	Rubber
5.37	ER50C-6IN.F7.1R	73.00	728	701	525	115	583	00406515	00411574	02021198	02000124
7.36	ER50C-6IN.F7.1R	76.00	728	701	525	115	583	00406515	00411574	02021198	02000124
9.00	ER50C-6IN.F7.1R	89.00	728	780	578	115	644	00406515	00411574	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	ER50C-4HN.G7.1R	130579/0A41	132S	89.6	10.0-8.2	1460	2230	6.20	67.2	69.7
7.5	ER50C-4HN.H7.1R	130580/0A41	132M	90.4	16.0-13.0	1460	2470	8.60	67.8	68.9
11.00	ER50C-4HN.I7.1R	130581/0A41	160M	91.4	18.5-15.0	1465	2610	10.00	68.6	69.0

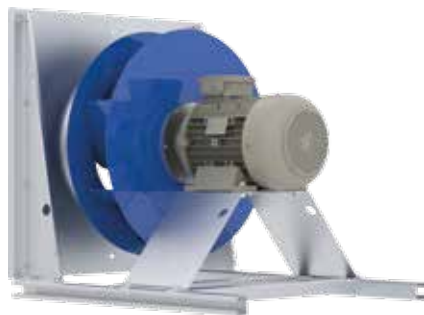
* ErP 2015 Target N=62 | expected limit for ErP 2020 N=64

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
5.5	ER50C-4HN.G7.1R	98.00	728	743	578	115	600	00406515	00411574	02021198	02000124
7.5	ER50C-4HN.H7.1R	109.00	728	781	578	115	600	00406515	00411574	02021198	02000124
11.00	ER50C-4HN.I7.1R	188.00	888	846	735	115	699	00406515	00411574	02021199	02000124

Plug fan C

ER50C

Motor ZAmotpremium IE2 and IE3



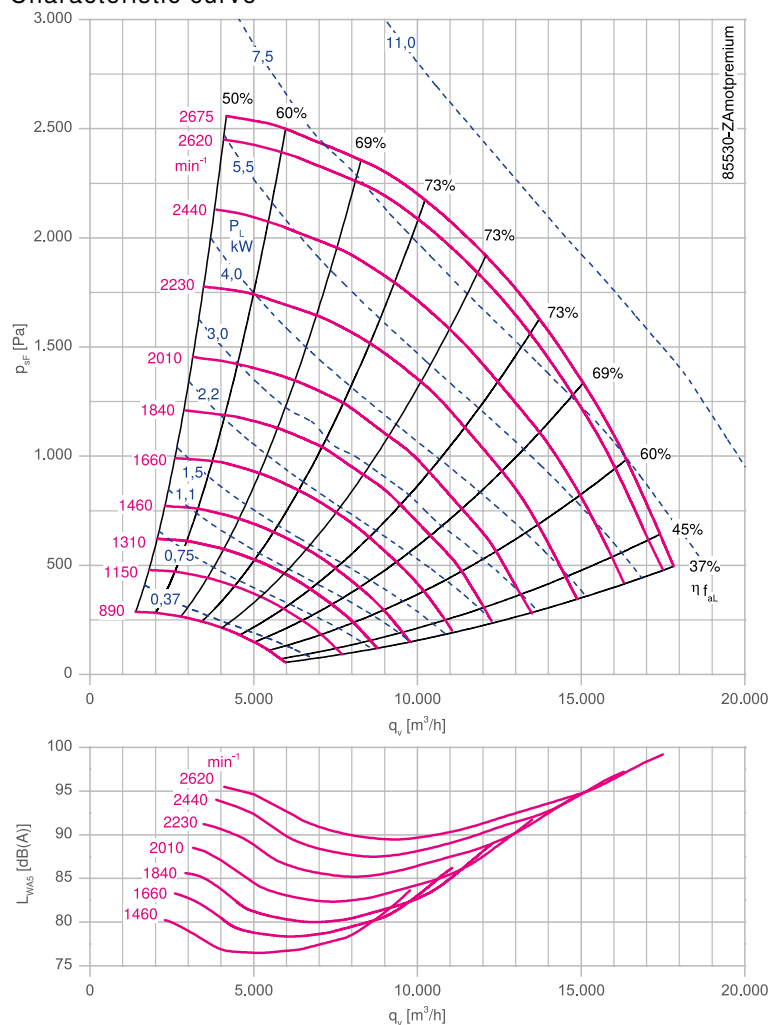
Description

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

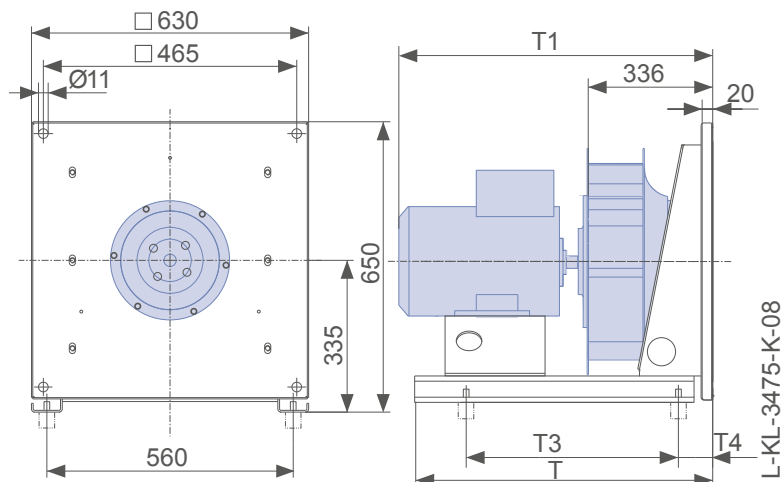
Nozzle coefficients

Standard k	252
With guard grille k_g	242

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}^*
1.5	ER50C-4DN.D7.1R	130575/0101	090L/S	82.8	3.30	1435	1460	51	62.1	70.0
2.2	ER50C-4DN.E7.1R	130576/0101	100L	84.3	4.60	1455	1660	57	63.2	69.4
3.00	ER50C-4DN.E7.1R	130577/0101	100L	85.5	6.20	1455	1830	63	64.2	69.2
4.00	ER50C-4DN.F7.1R	130578/0101	112M	86.6	8.20	1460	2010	69	65.0	68.8
5.5	ER50C-4DN.G7.1R	130579/0101	132S/M	87.7	11.40	1465	2230	76	65.8	68.2
7.5	ER50C-4DN.H7.1R	130580/0101	132M/S	88.7	14.80	1465	2430	83	66.6	67.9
11.00	ER50C-4DN.I7.1R	130581/0101	160M/L	89.8	21.00	1470	2620	89	67.4	67.7

* 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	
1.5	ER50C-4DN.D7.1R	54.00	728	645	420	115	00406515	00411574	02021198	00090144	308230
2.2	ER50C-4DN.E7.1R	60.00	728	677	582	59	00406515	00411574	02021198	00090144	308232
3.00	ER50C-4DN.E7.1R	64.00	728	684	598	59	00406515	00411574	02021198	00090144	308234
4.00	ER50C-4DN.F7.1R	68.00	728	670	608	68	00406515	00411574	02021198	02000124	308236
5.5	ER50C-4DN.G7.1R	81.00	728	725	594	99	00406515	00411574	02021199	02000124	308265
7.5	ER50C-4DN.H7.1R	88.00	728	725	542	151	00406515	00411574	02021199	02000124	308267
11.00	ER50C-4DN.I7.1R	116.00	888	832	720	133	00406515	00411574	02021199	02000124	308323

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}^*
1.5	ER50C-4DN.D7.1R	130575/0141	090L/S	85.3	3.20	1445	1450	50	64.0	72.2
2.2	ER50C-4DN.E7.1R	130576/0141	100L	86.7	4.40	1465	1640	56	65.0	71.5
3.00	ER50C-4DN.E7.1R	130577/0141	100L	87.7	5.90	1460	1840	63	65.8	70.8
4.00	ER50C-4DN.F7.1R	130578/0141	112M	88.6	7.90	1460	2010	69	66.5	70.4
5.5	ER50C-4DN.G7.1R	130579/0141	132S	89.6	10.50	1470	2210	75	67.2	69.8
7.5	ER50C-4DN.H7.1R	130580/0141	132M	90.4	14.30	1470	2440	83	67.8	69.1
11.00	ER50C-4DN.I7.1R	130581/0141	160M/L	91.4	20.50	1475	2600	88	67.2	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	
1.5	ER50C-4DN.D7.1R	57.00	728	670	421	115	00406515	00411574	02021198	00090144	308230
2.2	ER50C-4DN.E7.1R	69.00	728	719	473	115	00406515	00411574	02021198	00090144	308232
3.00	ER50C-4DN.E7.1R	69.00	728	719	473	115	00406515	00411574	02021198	00090144	308234
4.00	ER50C-4DN.F7.1R	73.00	728	702	473	115	00406515	00411574	02021198	02000124	308236
5.5	ER50C-4DN.G7.1R	103.00	728	733	578	115	00406515	00411574	02021199	02000124	308265
7.5	ER50C-4DN.H7.1R	103.00	728	783	578	115	00406515	00411574	02021199	02000124	308267
11.00	ER50C-4DN.I7.1R	128.00	888	842	737	115	00406515	00411574	02021199	02000124	308323