

Plug fan C

ER56C

Motor PMblue IE4 and AMblue IE3



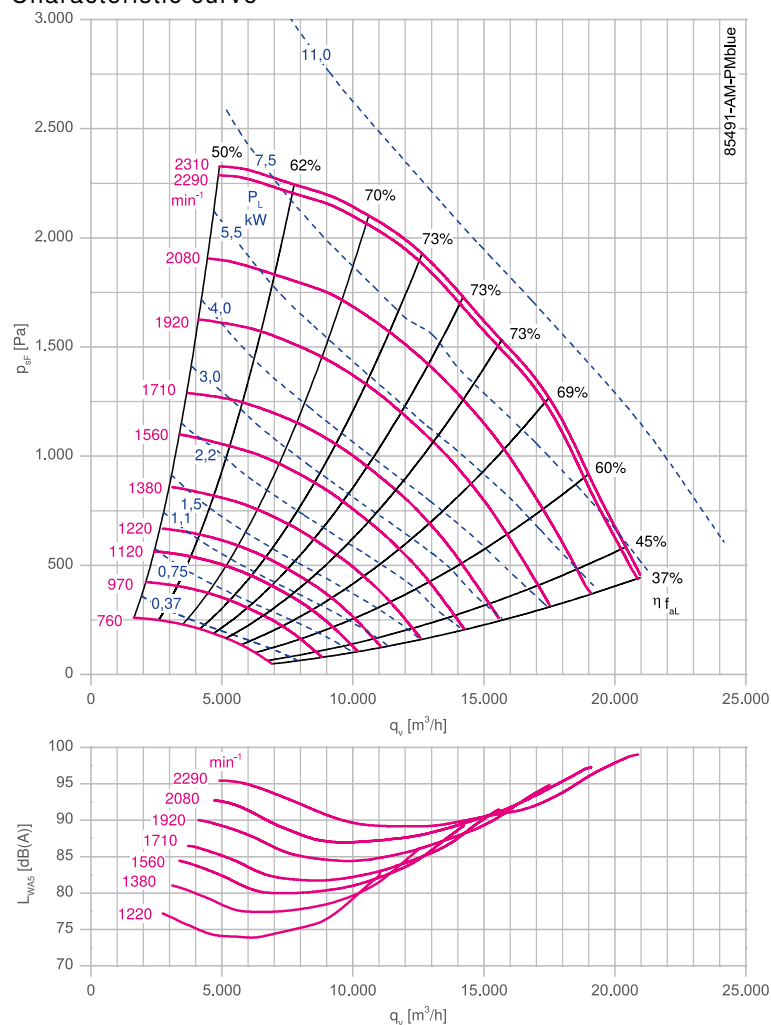
Description

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

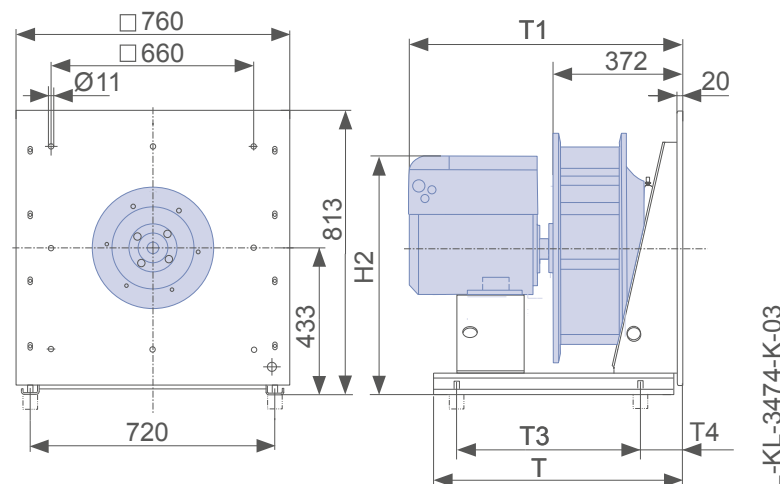
Nozzle coefficients

Standard k	308
With guard grille k_g	295

Characteristic curve



Dimensions mm



L-KL-3474-K-03



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}^*
5.45	ER56C-6IN.F7.1R	115623/0P61	112M	91.8	9.80-7.80	1900	1920	6.00	68.6	70.9
7.37	ER56C-6IN.F7.1R	115624/0P61	112M	92.0	12.5-10.0	2100	2080	7.80	68.8	70.1
9.80	ER56C-6IN.F7.1R	115625/0P61	112M	92.5	17.5-14.0	2310	2290	10.00	69.1	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	
										Spring	Rubber
5.45	ER56C-6IN.F7.1R	87.00	720	733	525	115	681	00405986	00411644	02021199	02000124
7.37	ER56C-6IN.F7.1R	87.00	720	733	525	115	681	00405986	00411644	02021199	02000124
9.80	ER56C-6IN.F7.1R	103.00	720	812	578	115	742	00405986	00411644	02018876	02020907

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	ER56C-4HN.G7.1R	130572/0A41	132S	89.6	11.0-8.6	1460	1920	6.60	67.0	69.2
7.5	ER56C-4HN.H7.1R	163660/0A41	132M	90.4	16.0-12.5	1460	2080	8.40	67.6	68.8
11.00	ER56C-4HN.I7.1R	163661/0A41	160M	91.4	20.0-16.0	1465	2290	11.00	68.3	68.3

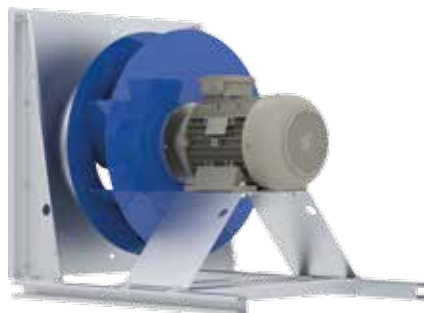
* ErP 2015 Target N=62 | expected limit for ErP 2020 N=64

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
5.5	ER56C-4HN.G7.1R	111.00	880	775	630	115	698	00405986	00411644	02021199	02000124
7.5	ER56C-4HN.H7.1R	122.00	880	813	630	115	698	00405986	00411644	02018876	02000124
11.00	ER56C-4HN.I7.1R	202.00	880	878	735	115	797	00405986	00411644	02018876	02020907

Plug fan C

ER56C

Motor ZAmotpremium IE2 and IE3



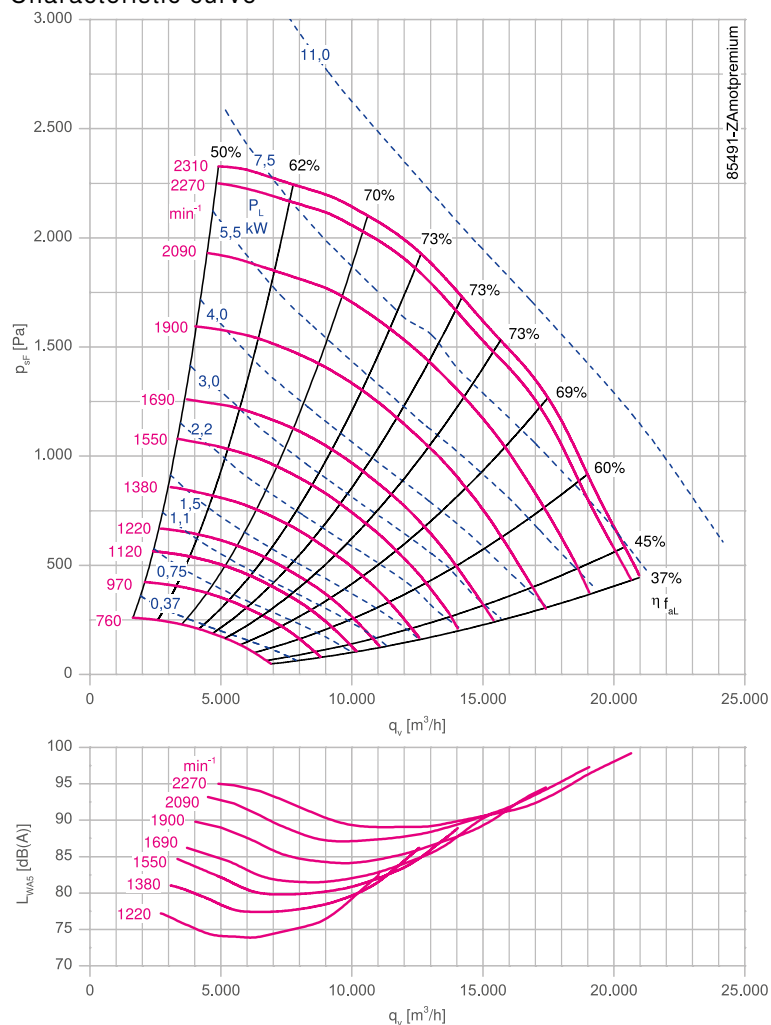
Description

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

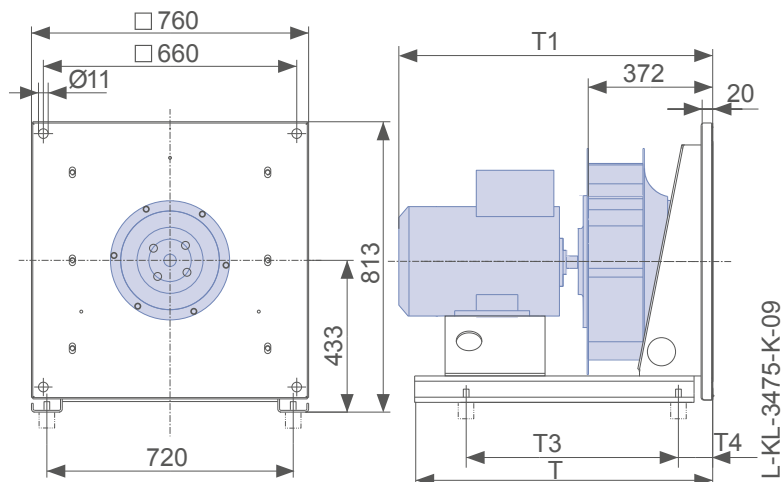
Nozzle coefficients

Standard k	308
With guard grille k_g	295

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	ER56C-6DN.E7.1R	130568/0101	100L	79.8	3.70	970	1220	63	59.6	67.5
2.2	ER56C-4DN.E7.1R	130569/0101	100L	84.3	4.60	1455	1370	47	63.1	69.7
3.00	ER56C-4DN.E7.1R	130570/0101	100L	85.5	6.20	1455	1540	53	63.9	68.9
4.00	ER56C-4DN.F7.1R	130571/0101	112M	86.6	8.20	1460	1690	58	64.7	68.5
5.5	ER56C-4DN.G7.1R	130572/0101	132S/M	87.7	11.40	1465	1900	65	65.5	67.8
7.5	ER56C-4DN.H7.1R	163660/0101	132M/S	88.7	14.80	1465	2080	71	66.3	67.4
11.00	ER56C-4DN.I7.1R	163661/0101	160M/L	89.8	21.00	1470	2260	77	67.1	67.1

* 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	Flexible inlet connector	Guard grille	Vibration damper		Frequency inverters 3~
									Spring	Rubber	
1.5	ER56C-6DN.E7.1R	75.00	720	716	473	115	00405986	00411644	02021198	00090144	308232
2.2	ER56C-4DN.E7.1R	71.00	720	709	600	50	00405986	00411644	02021198	00090144	308232
3.00	ER56C-4DN.E7.1R	75.00	720	716	620	50	00405986	00411644	02021199	02000124	308234
4.00	ER56C-4DN.F7.1R	79.00	720	702	618	62	00405986	00411644	02021199	02000124	308236
5.5	ER56C-4DN.G7.1R	95.00	880	757	684	62	00405986	00411644	02021199	02000124	308265
7.5	ER56C-4DN.H7.1R	102.00	880	765	572	115	00405986	00411644	02018876	02020907	308267
11.00	ER56C-4DN.I7.1R	130.00	880	874	729	115	00405986	00411644	02018876	02020907	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	ER56C-6DN.E7.1R	130568/0141	100L	82.5	3.05	970	1220	63	61.6	69.7
2.2	ER56C-4DN.E7.1R	130569/0141	100L	86.7	4.40	1465	1380	47	64.8	71.4
3.00	ER56C-4DN.E7.1R	130570/0141	100L	87.7	5.90	1460	1550	53	65.6	70.7
4.00	ER56C-4DN.F7.1R	130571/0141	112M	88.6	7.90	1460	1690	58	66.2	70.1
5.5	ER56C-4DN.G7.1R	130572/0141	132S	89.6	10.50	1470	1880	64	67.0	69.5
7.5	ER56C-4DN.H7.1R	163660/0141	132M	90.4	14.30	1470	2090	71	67.6	68.7
11.00	ER56C-4DN.I7.1R	163661/0141	160M/L	91.4	20.50	1475	2270	77	68.3	68.3

* 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	Flexible inlet connector	Guard grille	Vibration damper		Frequency inverters 3~
									Spring	Rubber	
1.5	ER56C-6DN.E7.1R	80.00	720	751	465	115	00405986	00411644	02021198	00090144	308230
2.2	ER56C-4DN.E7.1R	80.00	720	716	465	115	00405986	00411644	02021198	00090144	308232
3.00	ER56C-4DN.E7.1R	80.00	720	751	465	115	00405986	00411644	02021199	02000124	308234
4.00	ER56C-4DN.F7.1R	84.00	720	734	518	115	00405986	00411644	02021199	02000124	308236
5.5	ER56C-4DN.G7.1R	117.00	880	765	624	115	00405986	00411644	02021199	02000124	308265
7.5	ER56C-4DN.H7.1R	117.00	880	815	624	115	00405986	00411644	02018876	02020907	308267
11.00	ER56C-4DN.I7.1R	142.00	880	874	729	115	00405986	00411644	02018876	02020907	308323