

Plug fan C

ER63C

Motor PMblue IE4 and AMblue IE3



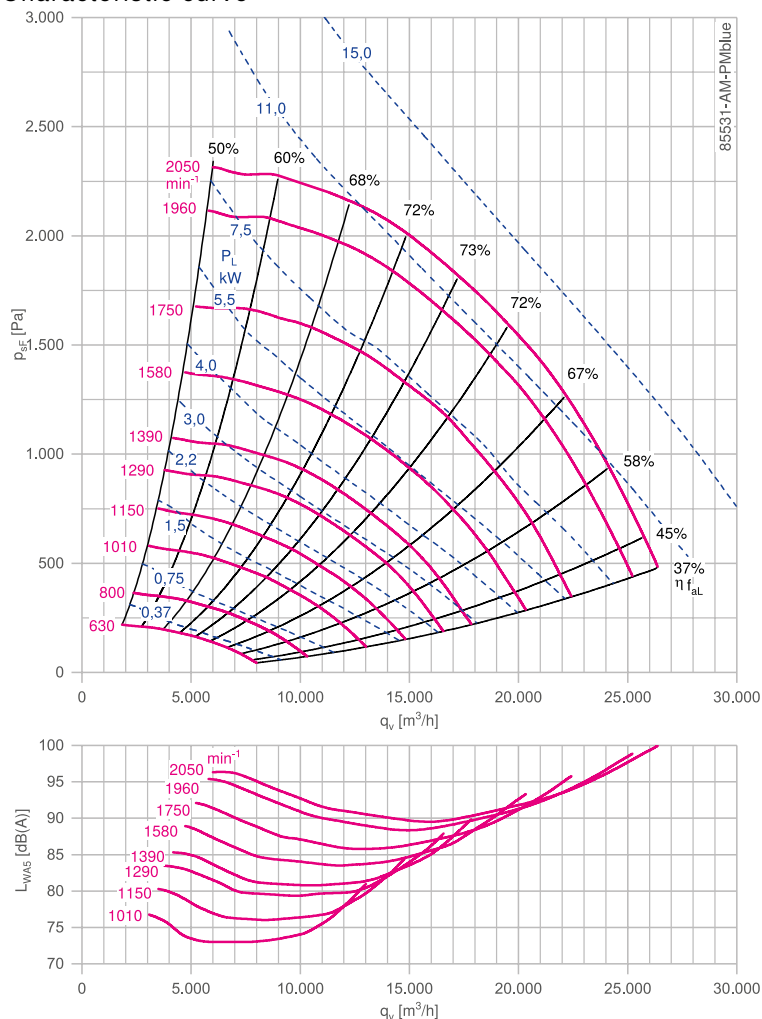
Description

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

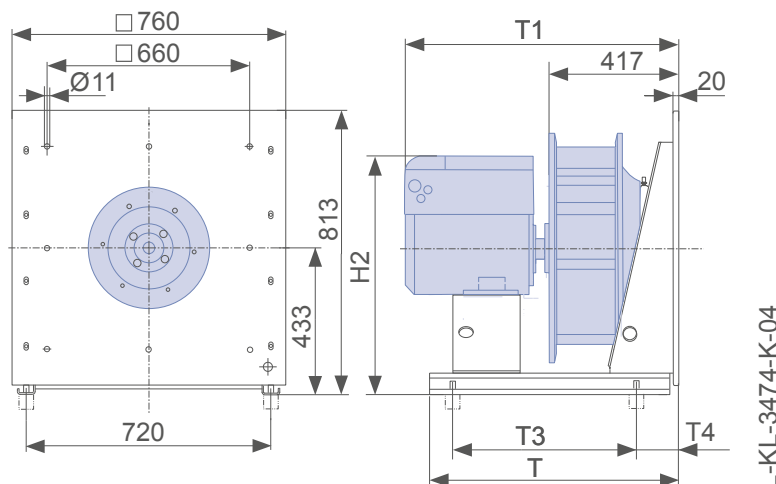
Nozzle coefficients

Standard k	381
With guard grille k _g	365

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}^*
5.26	ER63C-6IN.F7.1R	115626/0P61	112M	92.0	10.0-8.0	1550	1580	6.20	68.5	70.8
7.32	ER63C-6IN.F7.1R	115627/0P61	112M	92.5	13.5-10.5	1730	1750	8.40	68.9	69.8
10.80	ER63C-6IN.F7.1R	115628/0P61	112M	93.0	20.0-15.5	1970	1960	12.00	69.3	69.2
12.34	ER63C-6IN.H7.1R	115629/0P61	132M	92.1	23.0-18.0	2060	2050	13.50	68.6	68.4

* 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	H2 mm	Flexible inlet connector	Guard grille	Vibration damper	
										Spring	Rubber
5.26	ER63C-6IN.F7.1R	101.00	720	773	578	115	681	00405986	00411645	02021199	02000124
7.32	ER63C-6IN.F7.1R	105.00	720	773	578	115	681	00405986	00411645	02021199	02000124
10.80	ER63C-6IN.F7.1R	122.00	720	852	578	115	742	00405986	00411645	02018876	02020907
12.34	ER63C-6IN.H7.1R	145.00	880	862	735	115	757	00405986	00411645	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	ER63C-4HN.G7.1R	130564/0A41	132S	89.6	11.0-8.6	1460	1580	6.60	66.8	69.0
7.5	ER63C-4HN.H7.1R	130565/0A41	132M	90.4	17.0-13.5	1460	1750	9.00	67.4	68.2
11.00	ER63C-4HN.I7.1R	163662/0A41	160M	91.4	23.0-18.5	1465	1960	12.50	68.1	68.0
15.00	ER63C-4HN.K7.1R	163663/0A41	160L	92.1	25.0-20.0	1465	2050	14.00	68.6	68.4

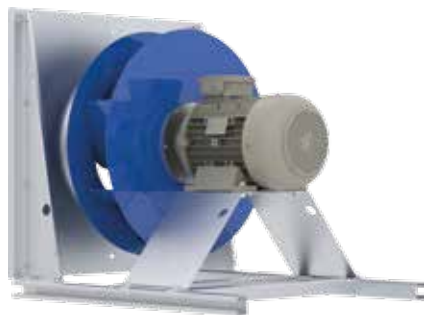
* ErP 2015 Target N=62 | expected limit for ErP 2020 N=64

P_N kW	Type	Weight kg	T mm	T1 mm	T3 mm	T4 mm	H2 mm	Flexible inlet connector	Guard grille	Vibration damper	
										Spring	Rubber
5.5	ER63C-4HN.G7.1R	126.00	880	815	630	115	698	00405986	00411645	02021199	02000124
7.5	ER63C-4HN.H7.1R	137.00	880	853	683	115	698	00405986	00411645	02021199	02000124
11.00	ER63C-4HN.I7.1R	216.00	880	918	735	115	797	00405986	00411645	02018876	02020907
15.00	ER63C-4HN.K7.1R	237.00	880	962	735	115	797	00405986	00411645	02018876	02020907

Plug fan C

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Motor ZAmotpremium IE2 and IE3



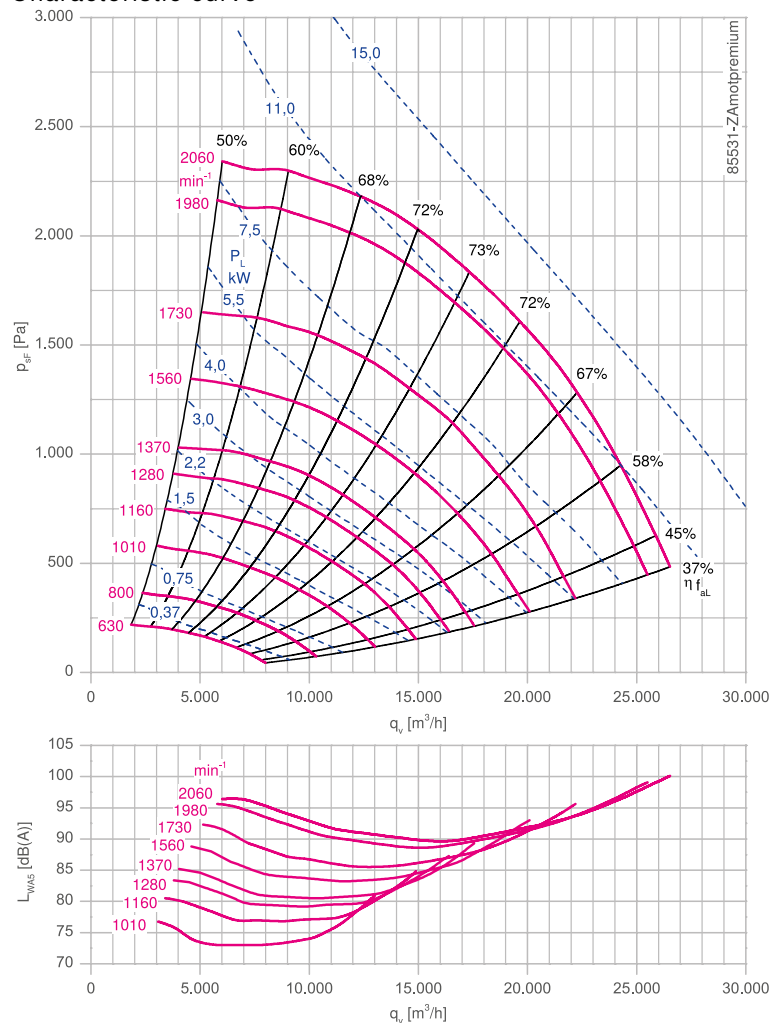
Description

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

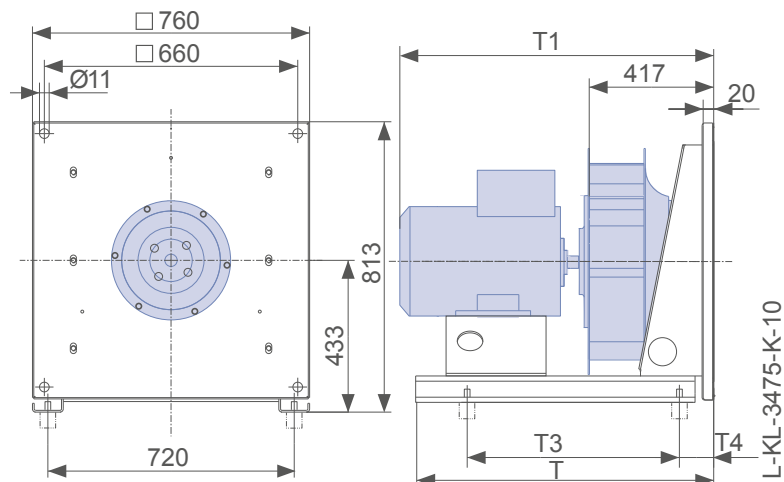
Nozzle coefficients

Standard k	381
With guard grille k_g	365

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	ER63C-6DN.E7.1R	130560/0101	100L	79.8	3.70	970	1010	52	59.5	67.3
2.2	ER63C-6DN.F7.1R	130561/0101	112M	81.8	5.20	965	1160	60	60.9	66.9
3.00	ER63C-6DN.G7.1R	130562/0101	132S	83.3	7.00	970	1280	66	62.1	66.8
4.00	ER63C-4DN.F7.1R	130563/0101	112M	86.6	8.20	1460	1370	47	64.5	68.5
5.5	ER63C-4DN.G7.1R	130564/0101	132S/M	87.7	11.40	1465	1550	53	65.3	67.6
7.5	ER63C-4DN.H7.1R	130565/0101	132M/S	88.7	14.80	1465	1730	59	66.0	66.9
11.00	ER63C-4DN.I7.1R	163662/0101	160M/L	89.8	21.00	1470	1970	67	66.9	66.8
15.00	ER63C-4DN.K7.1R	163663/0101	160L/M	90.6	28.00	1475	2060	70	67.5	67.2

* 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	
1.5	ER63C-6DN.E7.1R	90.00	720	755	578	115	00405986	00411645	02021198	00090144	308232
2.2	ER63C-6DN.F7.1R	94.00	720	749	570	115	00405986	00411645	02021198	00090144	308234
3.00	ER63C-6DN.G7.1R	105.00	880	796	684	66	00405986	00411645	02021199	02000124	308234
4.00	ER63C-4DN.F7.1R	91.00	720	742	599	91	00405986	00411645	02021199	02000124	308236
5.5	ER63C-4DN.G7.1R	109.00	880	796	663	92	00405986	00411645	02021199	02000124	308265
7.5	ER63C-4DN.H7.1R	116.00	880	796	702	92	00405986	00411645	02021199	02020907	308267
11.00	ER63C-4DN.I7.1R	144.00	880	914	728	115	00405986	00411645	02018876	02020907	308323
15.00	ER63C-4DN.K7.1R	156.00	880	914	729	115	00405986	00411645	02018876	02020907	308325

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	ER63C-6DN.E7.1R	130560/0141	100L	82.5	3.05	970	1010	52	61.4	69.3
2.2	ER63C-6DN.F7.1R	130561/0141	112M	84.3	4.75	970	1140	59	62.8	69.2
3.00	ER63C-6DN.G7.1R	130562/0141	132S	85.6	6.60	975	1280	66	63.8	68.6
4.00	ER63C-4DN.F7.1R	130563/0141	112M	88.6	7.90	1460	1370	47	65.9	70.0
5.5	ER63C-4DN.G7.1R	130564/0141	132S	89.6	10.50	1470	1560	53	66.7	69.0
7.5	ER63C-4DN.H7.1R	130565/0141	132M	90.4	14.30	1470	1730	59	67.3	68.3
11.00	ER63C-4DN.I7.1R	163662/0141	160M/L	91.4	20.50	1475	1980	67	68.1	68.0
15.00	ER63C-4DN.K7.1R	163663/0141	160L	92.1	28.50	1475	2060	70	68.6	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	ER63C-6DN.E7.1R	95.00	720	790	570	115	00405986	00411645	02021198	00090144	308230
2.2	ER63C-6DN.F7.1R	94.00	720	774	570	115	00405986	00411645	02021198	00090144	308232
3.00	ER63C-6DN.G7.1R	109.00	880	805	572	115	00405986	00411645	02021199	02000124	308234
4.00	ER63C-4DN.F7.1R	99.00	720	774	518	115	00405986	00411645	02021199	02000124	308236
5.5	ER63C-4DN.G7.1R	131.00	880	805	677	115	00405986	00411645	02021199	02000124	308265
7.5	ER63C-4DN.H7.1R	131.00	880	855	677	115	00405986	00411645	02021199	02020907	308267
11.00	ER63C-4DN.I7.1R	156.00	880	914	729	115	00405986	00411645	02018876	02020907	308323
15.00	ER63C-4DN.K7.1R	173.00	880	974	729	115	00405986	00411645	02018876	02020907	308325