

Plug fan C

ER71C

Motor PMblue IE4 and AMblue IE3



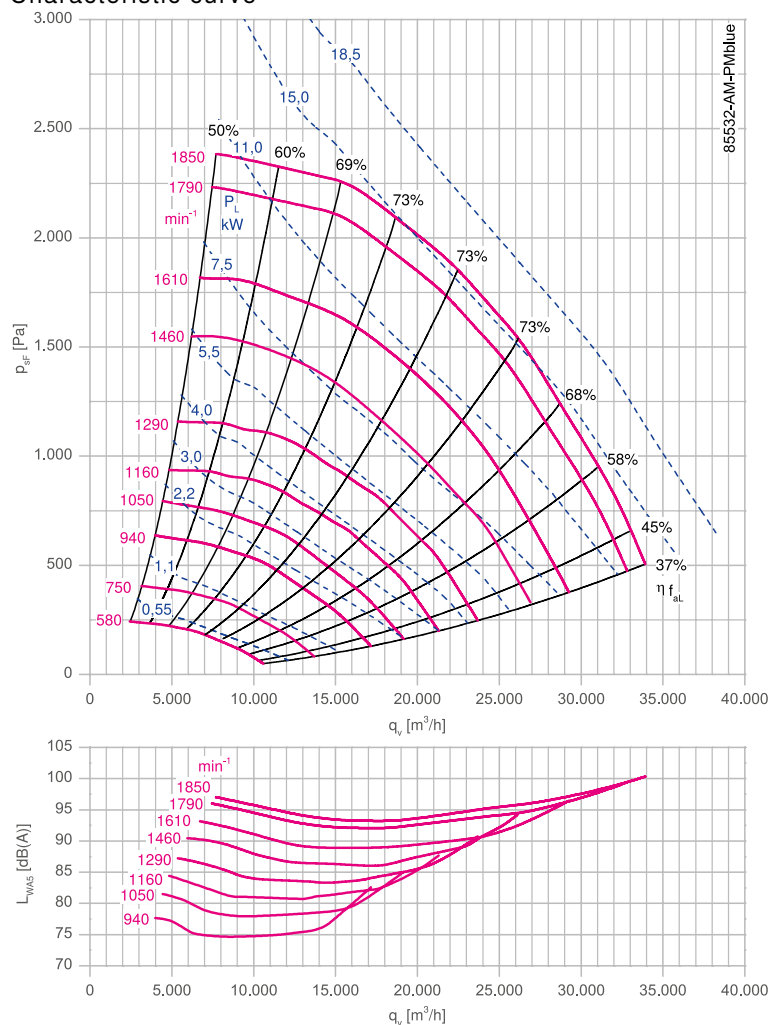
Description

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

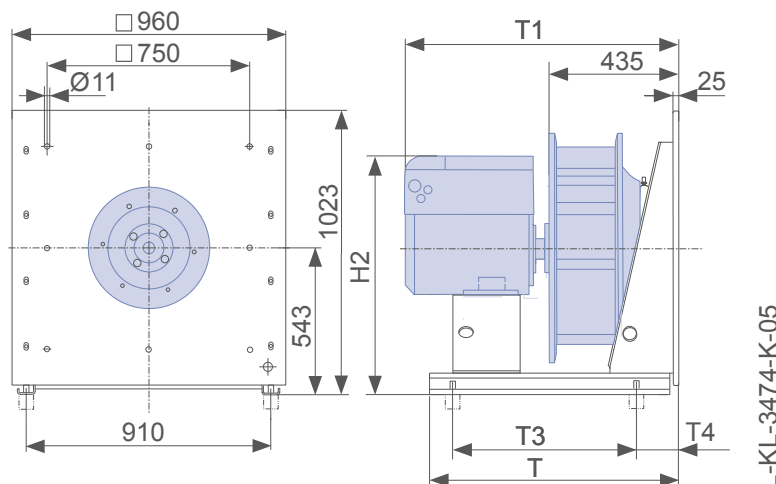
Nozzle coefficients

Standard k	490
With guard grille k _g	470

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	ER71C-6IN.F7.1R	115630/0P61	112M	90.1	10.0-8.0	1270	1290	6.20	67.0	69.3
7.28	ER71C-6IN.F7.1R	115631/0P61	112M	90.5	13.5-10.5	1410	1420	8.20	67.3	68.3
10.64	ER71C-6IN.H7.1R	115632/0P61	132M	93.3	19.5-15.5	1600	1610	11.50	69.4	69.3
14.90	ER71C-6IN.H7.1R	115633/0P61	132M	93.8	27.0-21.0	1790	1790	16.00	69.8	69.4

* 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
5.30	ER71C-6IN.F7.1R	136.00	885	824	630	115	791	00403350	00411646	02006450	00090157
7.28	ER71C-6IN.F7.1R	140.00	885	824	630	115	791	00403350	00411646	02006450	00090157
10.64	ER71C-6IN.H7.1R	175.00	885	913	735	115	867	00403350	00411646	02006450	00090157
14.90	ER71C-6IN.H7.1R	179.00	885	913	735	115	867	00403350	00411646	02006450	02000407

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	ER71C-6HN.H7.1R	130555/0A41	132M	88.0	11.5-9.0	968	1290	6.80	65.5	67.7
7.5	ER71C-4HN.H7.1R	130556/0A41	132M	90.4	16.5-13.0	1460	1460	8.80	67.3	67.9
11.00	ER71C-4HN.I7.1R	130557/0A41	160M	91.4	22.0-17.5	1465	1610	12.50	68.0	67.9
15.00	ER71C-4HN.K7.1R	130558/0A41	160L	92.1	29.0-23.0	1465	1790	16.50	68.5	68.1

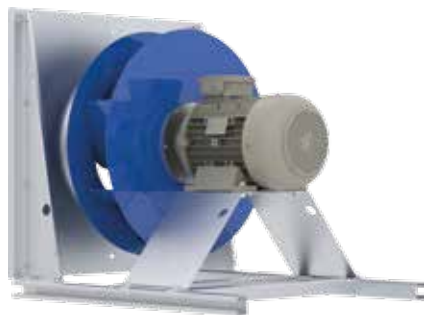
* ErP 2015 Target N=62 | expected limit for ErP 2020 N=64

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	ER71C-6HN.H7.1R	167.00	885	904	735	115	808	00403350	00411646	02006450	00090157
7.5	ER71C-4HN.H7.1R	167.00	885	904	735	115	808	00403350	00411646	02006450	00090157
11.00	ER71C-4HN.I7.1R	244.00	1045	969	893	115	907	00403350	00411646	02006450	00090157
15.00	ER71C-4HN.K7.1R	265.00	1045	1013	893	115	907	00403350	00411646	02006450	02000407

Plug fan C

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Motor ZAmotpremium IE2 and IE3



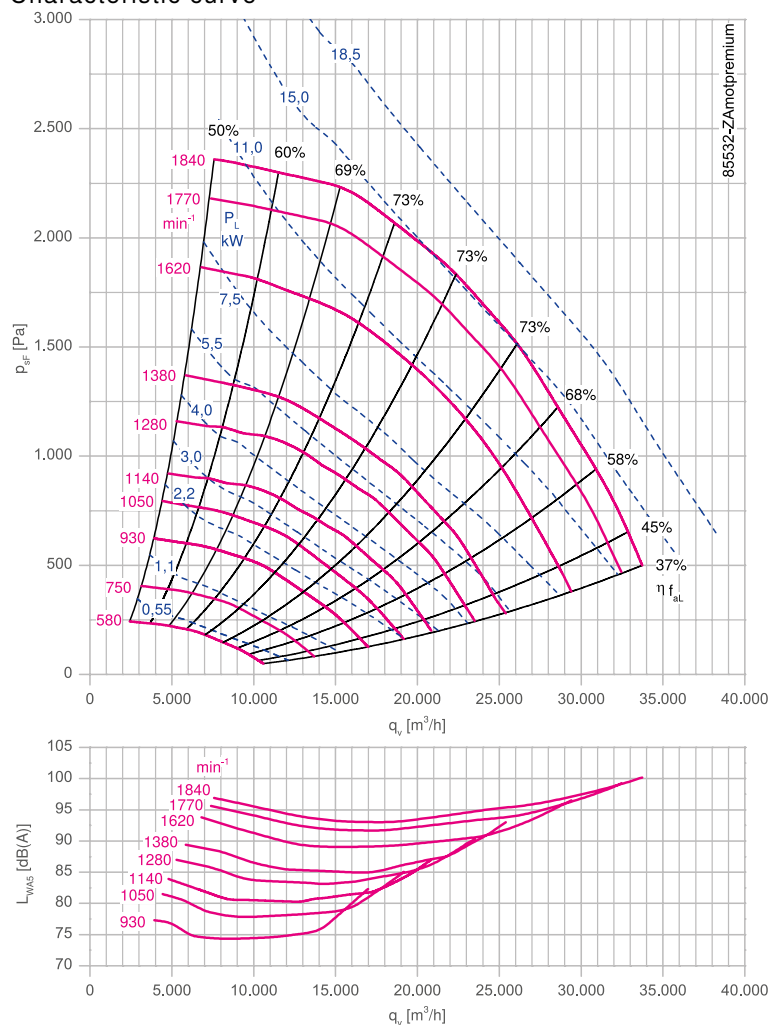
Description

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

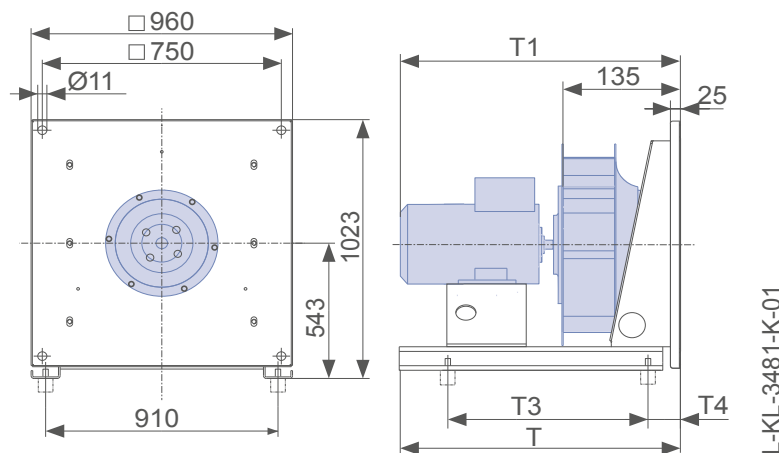
Nozzle coefficients

Standard k	490
With guard grille k_g	470

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}^*
2.2	ER71C-6DN.F7.1R	163664/0101	112M	81.8	5.20	965	930	48	60.9	67.2
3.00	ER71C-6DN.G7.1R	163665/0101	132S	83.3	7.00	970	1050	54	62.0	66.7
4.00	ER71C-6DN.H7.1R	130554/0101	132M/S	84.6	8.70	970	1140	59	63.0	66.7
5.5	ER71C-6DN.H7.1R	130555/0101	132M/S	86.0	12.00	970	1280	66	64.0	66.2
7.5	ER71C-4DN.H7.1R	130556/0101	132M/S	88.7	14.80	1465	1380	47	66.0	67.3
11.00	ER71C-4DN.I7.1R	130557/0101	160M/L	89.8	21.00	1470	1620	55	66.8	66.7
15.00	ER71C-4DN.K7.1R	130558/0101	160L/M	90.6	28.00	1475	1770	60	67.4	67.0
18.50	ER71C-4DN.L7.1R	130559/0101	180M/L	91.2	35.00	1465	1840	63	67.9	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	
2.2	ER71C-6DN.F7.1R	124.00	885	858	682	115	00403350	00411646	02006449	00090157	308234
3.00	ER71C-6DN.G7.1R	135.00	885	866	629	115	00403350	00411646	02006449	00090157	308234
4.00	ER71C-6DN.H7.1R	147.00	885	904	682	115	00403350	00411646	02006450	00090157	308265
5.5	ER71C-6DN.H7.1R	161.00	885	904	682	115	00403350	00411646	02006450	00090157	308265
7.5	ER71C-4DN.H7.1R	146.00	885	904	682	115	00403350	00411646	02006450	00090157	308267
11.00	ER71C-4DN.I7.1R	172.00	1045	969	840	115	00403350	00411646	02006450	00090157	308323
15.00	ER71C-4DN.K7.1R	184.00	1045	1013	893	115	00403350	00411646	02006451	02000407	308325
18.50	ER71C-4DN.L7.1R	268.00	1045	1049	893	115	00403350	00411646	02006451	02000407	308327

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}^*
2.2	ER71C-6DN.F7.1R	163664/0141	112M	84.3	4.75	970	930	48	62.7	69.2
3.00	ER71C-6DN.G7.1R	163665/0141	132S	85.6	6.60	975	1050	54	63.7	68.6
4.00	ER71C-6DN.H7.1R	130554/0141	132M/S	86.8	8.40	970	1140	59	64.6	68.4
5.5	ER71C-6DN.H7.1R	130555/0141	132M	88.0	11.60	970	1280	66	65.4	67.7
7.5	ER71C-4DN.H7.1R	130556/0141	132M	90.4	14.30	1470	1380	47	67.3	68.7
11.00	ER71C-4DN.I7.1R	130557/0141	160M/L	91.4	20.50	1475	1590	54	68.0	67.9
15.00	ER71C-4DN.K7.1R	130558/0141	160L	92.1	28.50	1475	1770	60	68.5	68.1
18.50	ER71C-4DN.L7.1R	130559/0141	180M/L	92.6	35.50	1470	1840	63	68.9	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	Flexible inlet connector	Guard grille	Vibration damper		Frequency inverters 3~
									Spring	Rubber	
2.2	ER71C-6DN.F7.1R	124.00	885	825	682	115	00403350	00411646	02006449	00090157	308232
3.00	ER71C-6DN.G7.1R	139.00	885	856	629	115	00403350	00411646	02006449	00090157	308234
4.00	ER71C-6DN.H7.1R	149.00	885	856	682	115	00403350	00411646	02006450	00090157	308236
5.5	ER71C-6DN.H7.1R	149.00	885	906	682	115	00403350	00411646	02006450	00090157	308265
7.5	ER71C-4DN.H7.1R	161.00	885	906	682	115	00403350	00411646	02006450	00090157	308267
11.00	ER71C-4DN.I7.1R	184.00	1045	965	788	115	00403350	00411646	02006450	00090157	308323
15.00	ER71C-4DN.K7.1R	201.00	1045	1025	840	115	00403350	00411646	02006451	02000407	308325
18.50	ER71C-4DN.L7.1R	268.00	1045	1029	893	115	00403350	00411646	02006451	02000407	308327