

Plug fan C

ER80C

Motor PMblue IE4 and AMblue IE3



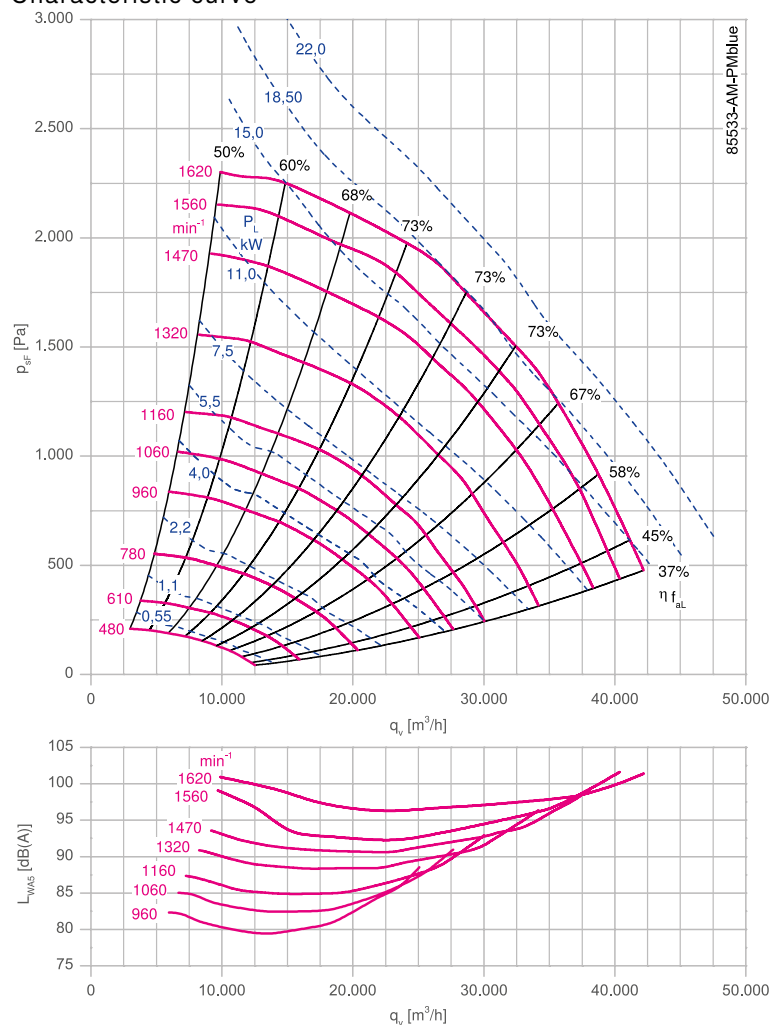
Description

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

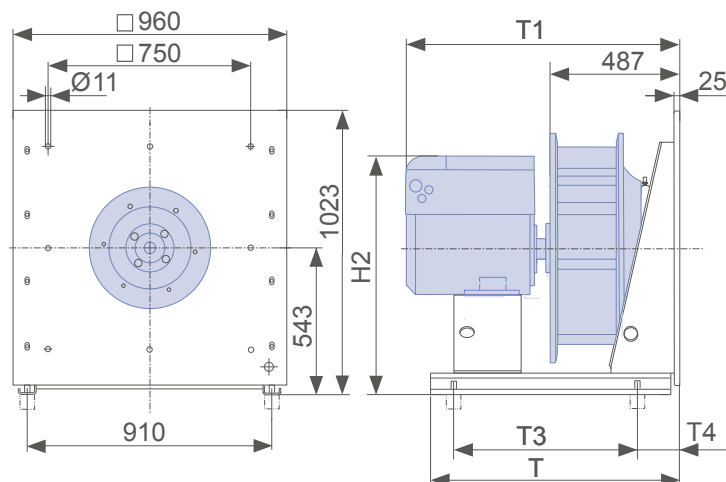
Nozzle coefficients

Standard k	620
With guard grille k_g	594

Characteristic curve



Dimensions mm



L-KL-3474-K-06



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}^*
7.40	ER80C-6IN.H7.1R	115635/0P61	132M	93.8	12.5-10.0	1150	1160	7.80	67.9	69.0
14.80	ER80C-6IN.H7.1R	115636/0P61	132M	93.8	19.5-15.5	1450	1290	11.00	69.5	69.5
14.80	ER80C-6IN.H7.1R	115637/0P61	132M	93.8	27.0-21.0	1450	1470	16.00	69.5	69.1

* 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
7.40	ER80C-6IN.H7.1R	189.00	885	948	735	115	806	00403350	00414162	02006450	00090157
14.80	ER80C-6IN.H7.1R	212.00	885	999	735	115	867	00403350	00414162	02006450	00090157
14.80	ER80C-6IN.H7.1R	212.00	885	999	735	115	867	00403350	00414162	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	ER80C-6HN.H7.1R	130546/0A41	132M	88.0	11.5-9.2	968	1060	6.60	65.6	67.8
7.5	ER80C-6HN.I7.1R	130547/0A41	160M	89.1	16.5-13.0	970	1160	8.60	66.5	67.6
11.00	ER80C-6HN.K7.1R	130548/0A41	160L	90.3	23.0-18.5	970	1320	13.00	67.3	67.2
15.00	ER80C-4HN.K7.1R	130549/0A41	160L	92.1	29.0-23.0	1465	1470	16.50	68.7	68.3

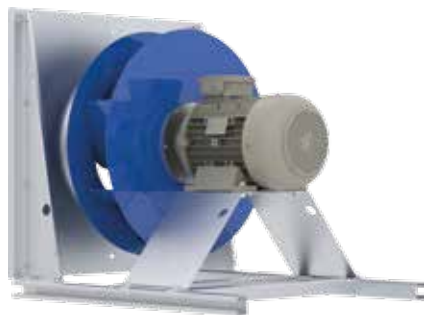
* ErP 2015 Target N=62 | expected limit for ErP 2020 N=64

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	ER80C-6HN.H7.1R	194.00	885	956	735	115	808	00403350	00414162	02006450	00090157
7.5	ER80C-6HN.I7.1R	250.00	1045	1021	893	115	847	00403350	00414162	02006450	00090157
11.00	ER80C-6HN.K7.1R	284.00	1045	1065	893	115	907	00403350	00414162	02006450	00090157
15.00	ER80C-4HN.K7.1R	292.00	1045	1065	893	115	907	00403350	00414162	02006450	02000407

Plug fan C

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Motor ZAmotpremium IE2 and IE3



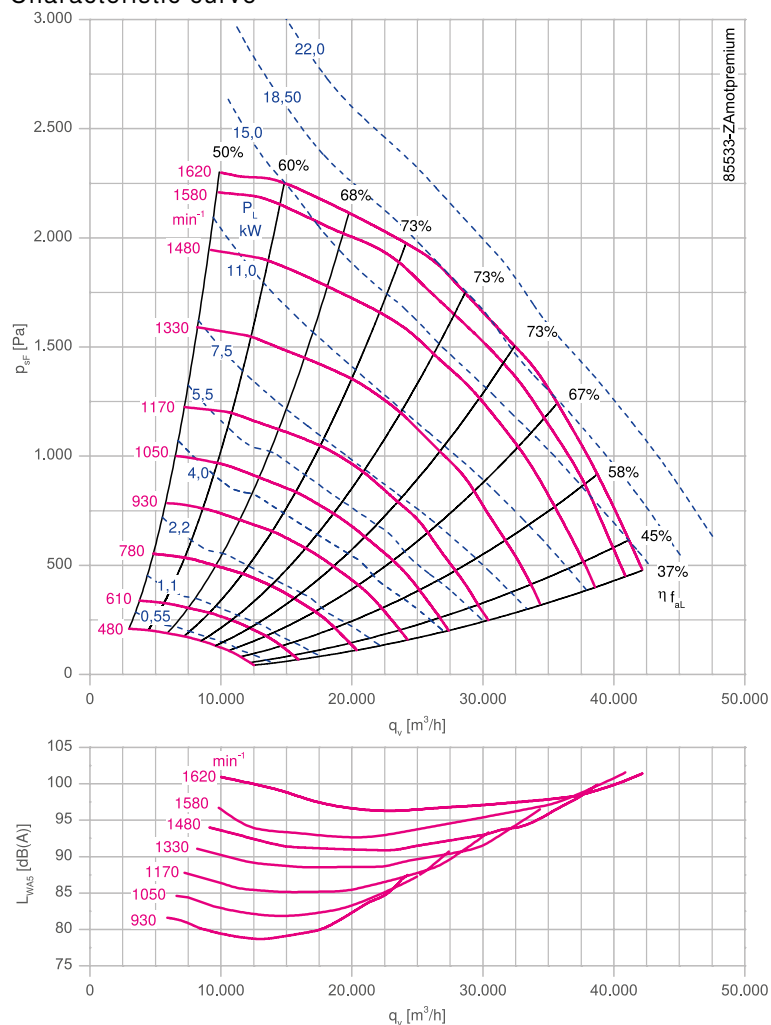
Description

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

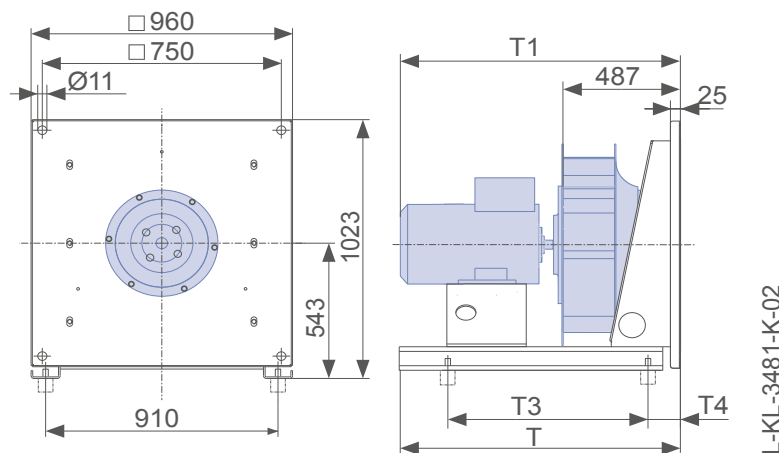
Nozzle coefficients

Standard k	620
With guard grille k_g	594

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}^*
4.00	ER80C-6DN.H7.1R	130545/0101	132M/S	84.6	8.70	970	930	48	63.1	66.9
5.5	ER80C-6DN.H7.1R	130546/0101	132M/S	86.0	12.00	970	1050	54	64.1	66.4
7.5	ER80C-6DN.I7.1R	130547/0101	160M/L	87.2	16.20	975	1170	60	65.0	65.9
11.00	ER80C-6DN.K7.1R	130548/0101	160L/M	88.7	22.50	975	1330	68	66.2	66.1
15.00	ER80C-4DN.K7.1R	130549/0101	160L/M	90.6	28.00	1475	1480	50	67.6	67.1
18.50	ER80C-4DN.L7.1R	130550/0101	180M/L	91.2	35.00	1465	1580	54	68.0	67.3
22.00	ER80C-4DN.M7.1R	130551/0101	180LM	91.6	41.50	1465	1610	55	68.3	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	
4.00	ER80C-6DN.H7.1R	174.00	885	956	734	115	00403350	00414162	02006450	00090157	308265
5.5	ER80C-6DN.H7.1R	188.00	885	956	734	115	00403350	00414162	02006450	00090157	308265
7.5	ER80C-6DN.I7.1R	226.00	1045	1065	893	115	00403350	00414162	02006450	00090157	308267
11.00	ER80C-6DN.K7.1R	233.00	1045	1065	893	115	00403350	00414162	02006450	00090157	308323
15.00	ER80C-4DN.K7.1R	212.00	1045	1065	893	115	00403350	00414162	02006451	02000407	308325
18.50	ER80C-4DN.L7.1R	295.00	1045	1101	893	115	00403350	00414162	02006451	02000407	308327
22.00	ER80C-4DN.M7.1R	276.00	1045	1139	893	115	00403350	00414162	02006451	02000407	308329

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}^*
4.00	ER80C-6DN.H7.1R	130545/0141	132M/S	86.8	8.40	970	930	48	64.8	68.8
5.5	ER80C-6DN.H7.1R	130546/0141	132M	88.0	11.60	970	1050	54	65.6	68.0
7.5	ER80C-6DN.I7.1R	130547/0141	160M/L	89.1	16.00	980	1160	59	66.5	67.6
11.00	ER80C-6DN.K7.1R	130548/0141	160L	90.3	23.00	975	1330	68	67.4	67.3
15.00	ER80C-4DN.K7.1R	130549/0141	160L	92.1	28.50	1475	1480	50	68.7	68.3
18.50	ER80C-4DN.L7.1R	130550/0141	180M/L	92.6	35.50	1470	1560	53	69.1	68.5
22.00	ER80C-4DN.M7.1R	130551/0141	180L/M	93.0	41.00	1470	1620	55	69.4	68.7

* 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	
4.00	ER80C-6DN.H7.1R	177.00	885	908	734	115	00403350	00414162	02006450	00090157	308236
5.5	ER80C-6DN.H7.1R	177.00	885	958	734	115	00403350	00414162	02006450	00090157	308265
7.5	ER80C-6DN.I7.1R	223.00	1045	1017	840	115	00403350	00414162	02006450	00090157	308267
11.00	ER80C-6DN.K7.1R	244.00	1045	1077	893	115	00403350	00414162	02006450	00090157	308323
15.00	ER80C-4DN.K7.1R	229.00	1045	1077	893	115	00403350	00414162	02006451	02000407	308325
18.50	ER80C-4DN.L7.1R	295.00	1045	1081	893	115	00403350	00414162	02006451	02000407	308327
22.00	ER80C-4DN.M7.1R	300.00	1045	1111	893	115	00403350	00414162	02006451	02000407	308329