

Plug fan ZAbbluefin

ER71I

Motor PMblue IE4 and AMblue IE3



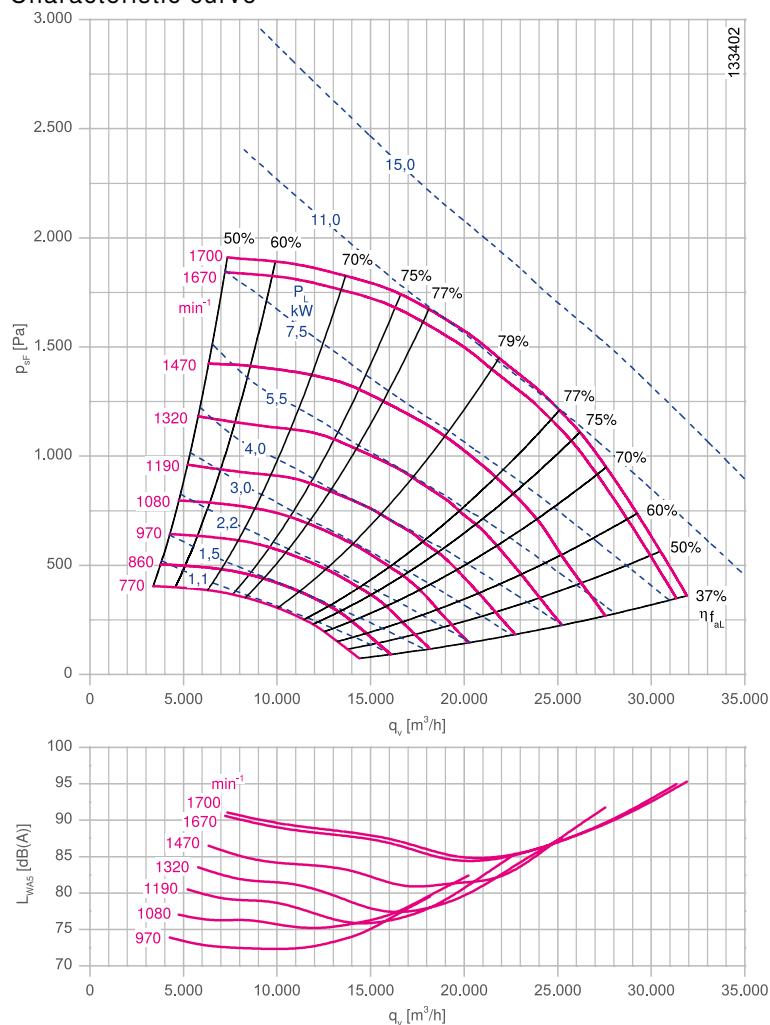
Description

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

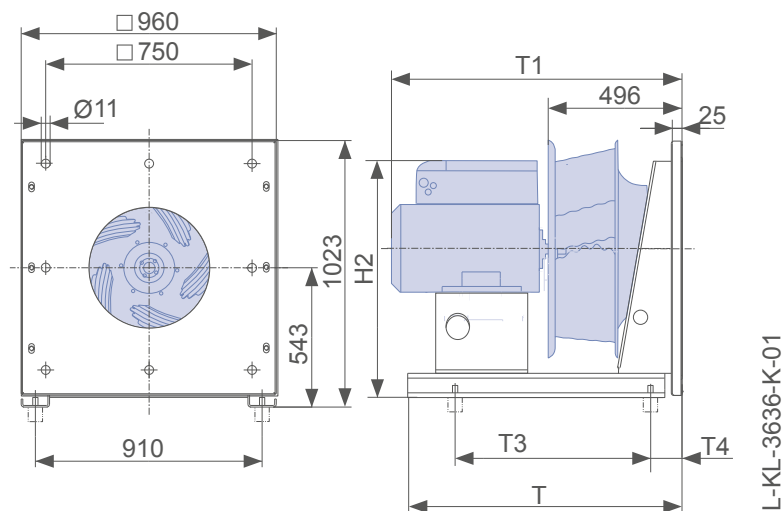
Nozzle coefficients

Standard k	530
With guard grille k _g	500

Characteristic curve



Dimensions mm



ZAbuefin-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	ER71I-6IN.F7.1R	116051/0P61	112M	90.1	9.4-7.4	1270	1320	5.80	73.2	75.6
7.28	ER71I-6IN.F7.1R	116052/0P61	112M	90.5	13.0-10.5	1410	1470	8.00	73.5	74.5
10.64	ER71I-6IN.H7.1R	116053/0P61	132M	93.3	20.0-15.5	1600	1670	11.50	75.8	75.7
14.90	ER71I-6IN.H7.1R	116054/0P61	132M	93.8	22.0-17.5	1790	1700	13.00	74.0	73.8

* 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	ER71I-6IN.F7.1R	137.00	885	864	735	115	791	00403350	00411646	02006449	00090157
7.28	ER71I-6IN.F7.1R	141.00	885	864	735	115	791	00403350	00411646	02006450	00090157
10.64	ER71I-6IN.H7.1R	176.00	885	951	735	115	867	00403350	00411646	02006450	00090157
14.90	ER71I-6IN.H7.1R	180.00	885	951	735	115	791	00403350	00411646	02006450	00090157

ZAbuefin-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	ER71I-6HN.H7.1R	115956/0A41	132M	88.0	11.0-8.6	968	1320	6.40	71.4	73.8
7.5	ER71I-4HN.H7.1R	115957/0A41	132M	90.4	16.5-13.0	1460	1470	8.40	73.4	74.4
11.00	ER71I-4HN.I7.1R	115958/0A41	160M	91.4	23.0-18.0	1465	1670	12.50	74.2	74.1
15.00	ER71I-4HN.K7.1R	115959/0A41	160L	92.1	24.0-19.0	1465	1700	13.00	74.8	74.6

* 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	H2 mm	Flexible inlet connector	Guard grille	Vibration damper	
										Spring	Rubber
5.5	ER71I-6HN.H7.1R	168.00	885	942	735	115	808	00403350	00411646	02006450	00090157
7.5	ER71I-4HN.H7.1R	168.00	885	942	735	115	808	00403350	00411646	02006450	00090157
11.00	ER71I-4HN.I7.1R	246.00	1045	997	893	115	907	00403350	00411646	02006450	00090157
15.00	ER71I-4HN.K7.1R	267.00	1045	1041	893	115	907	00403350	00411646	02006450	00090157

Plug fan ZAbbluefin

ER71I

Motor ZAmotpremium IE3



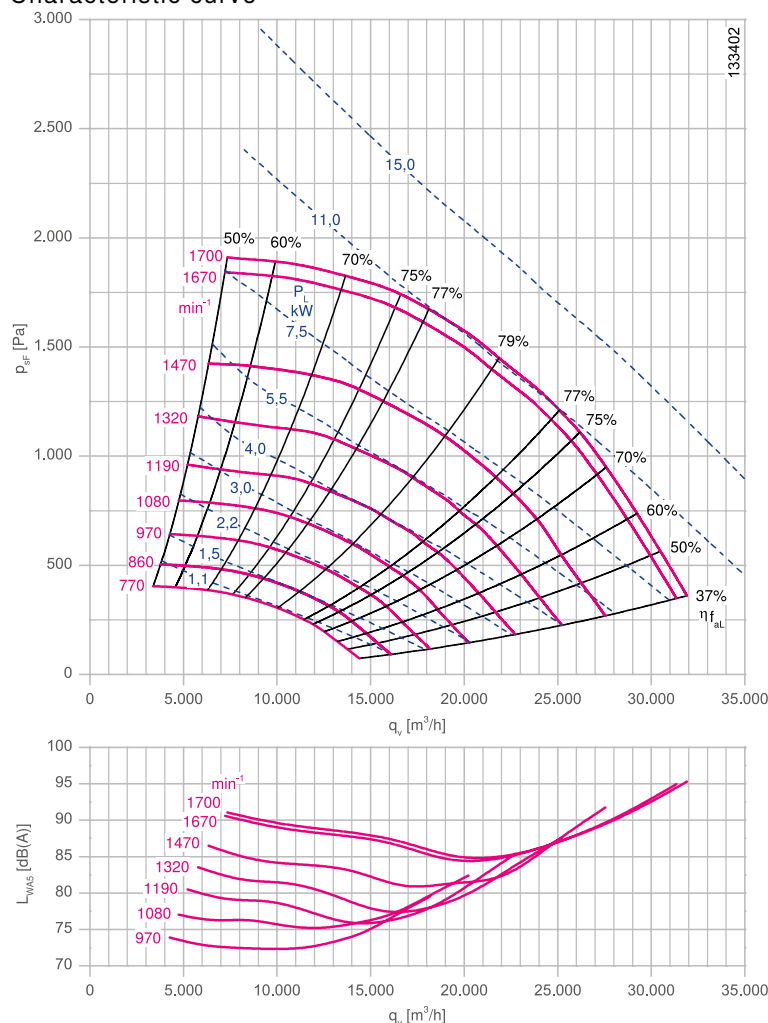
Description

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

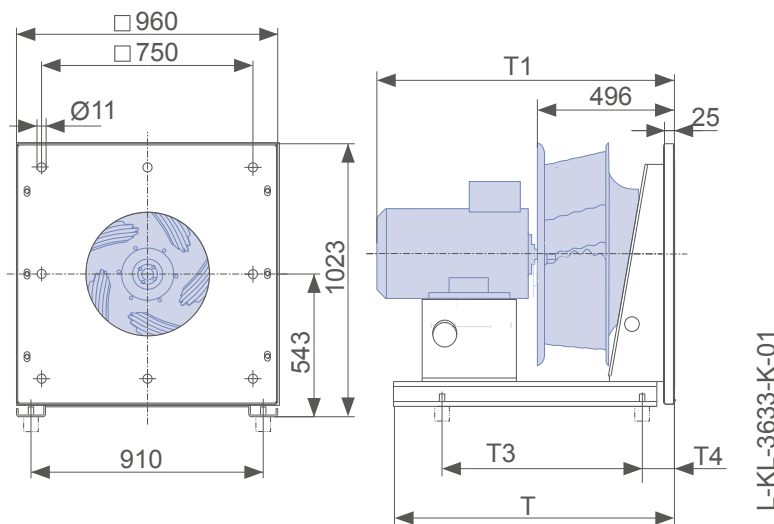
Nozzle coefficients

Standard k	530
With guard grille k_g	500

Characteristic curve



Dimensions mm



ZBluefin-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	ER71I-6DN.F7.1R	115953/0141	112M	84.3	5.00	970	970	50	68.4	74.8
3.00	ER71I-6DN.G7.1R	115954/0141	132S	85.6	6.60	975	1080	55	69.5	74.4
4.00	ER71I-6DN.H7.1R	115955/0141	132M/S	86.8	8.40	970	1190	61	70.5	74.2
5.5	ER71I-6DN.H7.1R	115956/0141	132M	88.0	11.60	970	1320	68	71.4	73.8
7.5	ER71I-4DN.H7.1R	115957/0141	132M	90.4	14.30	1470	1470	50	73.4	74.4
11.00	ER71I-4DN.I7.1R	115958/0141	160M/L	91.4	20.50	1475	1670	57	74.2	74.1
15.00	ER71I-4DN.K7.1R	115959/0141	160L	92.1	28.50	1475	1700	58	74.8	74.6

* 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	
2.2	ER71I-6DN.F7.1R	126.00	885	866	735	115	00403350	00411646	02006449	00090157	308232
3.00	ER71I-6DN.G7.1R	141.00	885	894	735	115	00403350	00411646	02006449	00090157	308234
4.00	ER71I-6DN.H7.1R	151.00	885	894	735	115	00403350	00411646	02006449	00090157	308236
5.5	ER71I-6DN.H7.1R	151.00	885	944	735	115	00403350	00411646	02006450	00090157	308265
7.5	ER71I-4DN.H7.1R	163.00	885	944	735	115	00403350	00411646	02006450	00090157	308267
11.00	ER71I-4DN.I7.1R	186.00	1045	993	840	115	00403350	00411646	02006450	00090157	308323
15.00	ER71I-4DN.K7.1R	203.00	1045	1053	893	115	00403350	00411646	02006450	02000407	308325