

Plug fan ZABluefin

ER80I

Motor PMblue IE4 and AMblue IE3



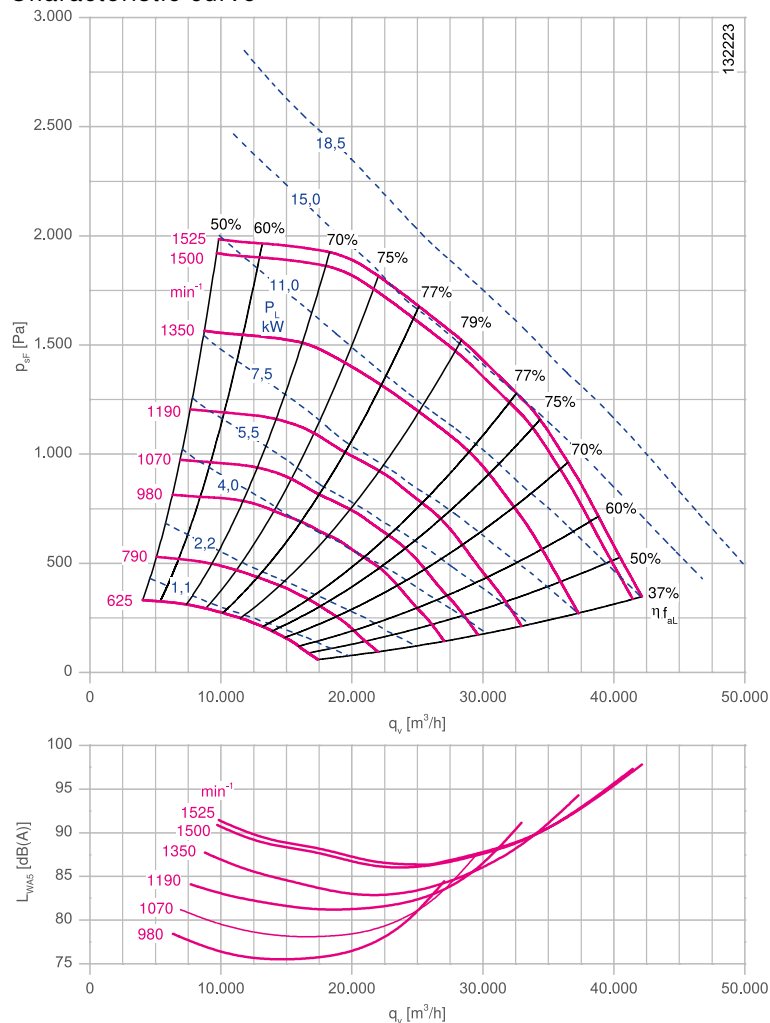
Description

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

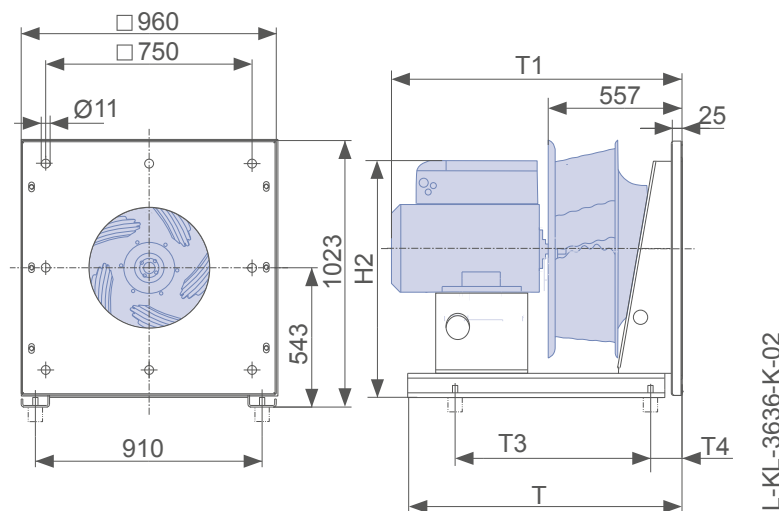
Nozzle coefficients

Standard k	670
With guard grille k_g	630

Characteristic curve



Dimensions mm



L-KL-3636-K-02



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}^*
7.40	ER80I-6IN.H7.1R	116055/0P61	132M	93.8	13.0-10.0	1150	1190	7.80	73.5	74.5
14.80	ER80I-6IN.H7.1R	116056/0P61	132M	93.8	20.0-15.5	1450	1330	11.00	71.7	71.3
14.80	ER80I-6IN.H7.1R	116057/0P61	132M	93.8	27.0-21.0	1450	1500	15.50	75.3	74.8
17.70	ER80I-6IN.H7.1R	116058/0P61	132M	93.6	28.0-22.0	1560	1525	16.50	75.6	75.1

* 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	ER80I-6IN.H7.1R	188.00	885	992	735	115	806	00403350	00414162	02006450	00090157
14.80	ER80I-6IN.H7.1R	211.00	885	1043	735	115	867	00403350	00414162	02006450	00090157
14.80	ER80I-6IN.H7.1R	211.00	885	1043	735	115	867	00403350	00414162	02006450	02000407
17.70	ER80I-6IN.H7.1R	219.00	855	1053	735	115	866	00403350	00414162	02006450	02000407

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}^*
7.5	ER80I-6HN.I7.1R	115963/0A41	160M	89.1	16.5-13.0	970	1190	8.80	72.0	72.9
11.00	ER80I-6HN.K7.1R	115964/0A41	160L	90.3	23.0-18.5	970	1350	13.00	72.9	72.8
15.00	ER80I-4HN.K7.1R	115965/0A41	160L	92.1	29.0-23.0	1465	1500	16.50	74.4	73.9
18.50	ER80I-4HN.L7.1R	115966/0A41	180M	92.6	29.0-23.0	1470	1525	17.50	74.8	74.3

* 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
7.5	ER80I-6HN.I7.1R	249.00	1045	1049	893	115	847	00403350	00414162	02006450	00090157
11.00	ER80I-6HN.K7.1R	283.00	1045	1093	893	115	907	00403350	00414162	02006450	00090157
15.00	ER80I-4HN.K7.1R	291.00	1045	1093	893	115	907	00403350	00414162	02006450	02000407
18.50	ER80I-4HN.L7.1R	336.00	1045	1145	893	115	922	00403350	00414162	02006450	02000407

Plug fan ZAbbluefin

ER80I

Motor ZAmotpremium IE3



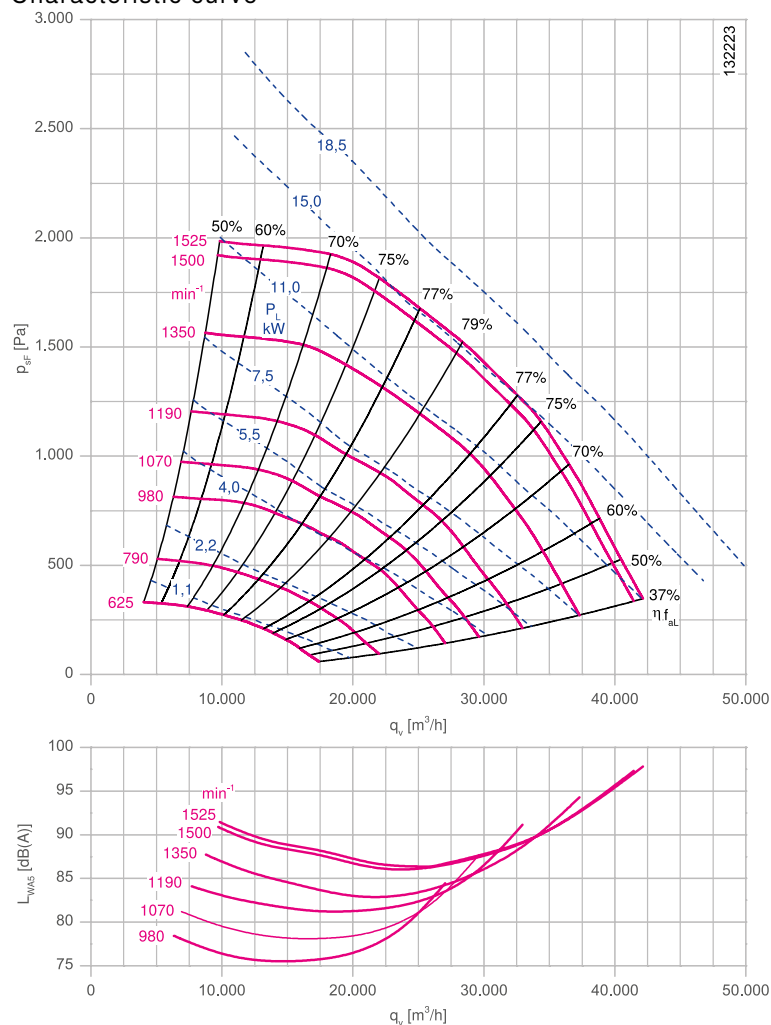
Description

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

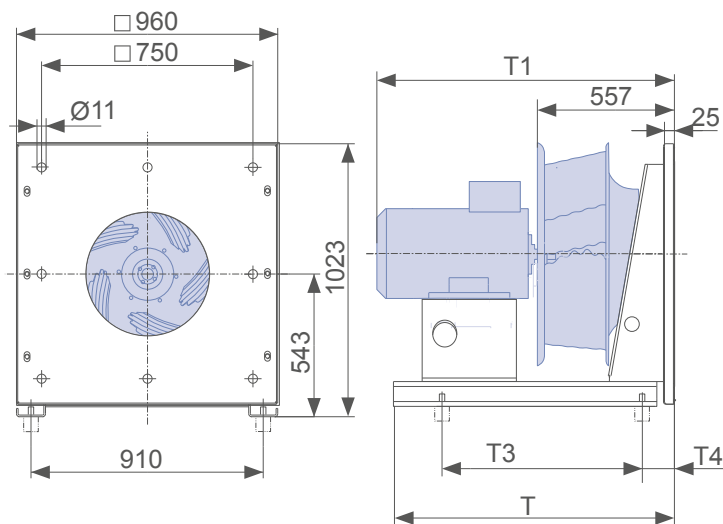
Nozzle coefficients

Standard k	670
With guard grille k_g	630

Characteristic curve



Dimensions mm



L-KL-3633-K-02



ZAbbluefin-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	ER80I-6DN.H7.1R	115961/0141	132M/S	86.8	8.40	970	980	51	70.1	73.5
5.5	ER80I-6DN.H7.1R	115962/0141	132M	88.0	11.60	970	1070	55	71.1	73.4
7.5	ER80I-6DN.I7.1R	115963/0141	160M/L	89.1	16.00	980	1190	61	72.0	72.9
11.00	ER80I-6DN.K7.1R	115964/0141	160L	90.3	23.00	975	1350	69	72.9	72.8
15.00	ER80I-4DN.K7.1R	115965/0141	160L	92.1	28.50	1475	1500	51	74.4	73.9
18.50	ER80I-4DN.L7.1R	115966/0141	180M/L	92.6	35.50	1470	1525	52	74.8	74.3

* 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	
4.00	ER80I-6DN.H7.1R	175.00	885	952	735	115	00403350	00414162	02006449	00090157	308236
5.5	ER80I-6DN.H7.1R	175.00	885	1002	735	115	00403350	00414162	02006450	00090157	308265
7.5	ER80I-6DN.I7.1R	220.00	1045	1045	893	115	00403350	00414162	02006450	00090157	308267
11.00	ER80I-6DN.K7.1R	242.00	1045	1105	893	115	00403350	00414162	02006450	00090157	308323
15.00	ER80I-4DN.K7.1R	227.00	1045	1105	893	115	00403350	00414162	02006450	02000407	308325
18.50	ER80I-4DN.L7.1R	294.00	1045	1125	893	115	00403350	00414162	02006450	02000407	308327