

Plug fan ZAbbluefin

ER90I

Motor PMblue IE4 and AMblue IE3



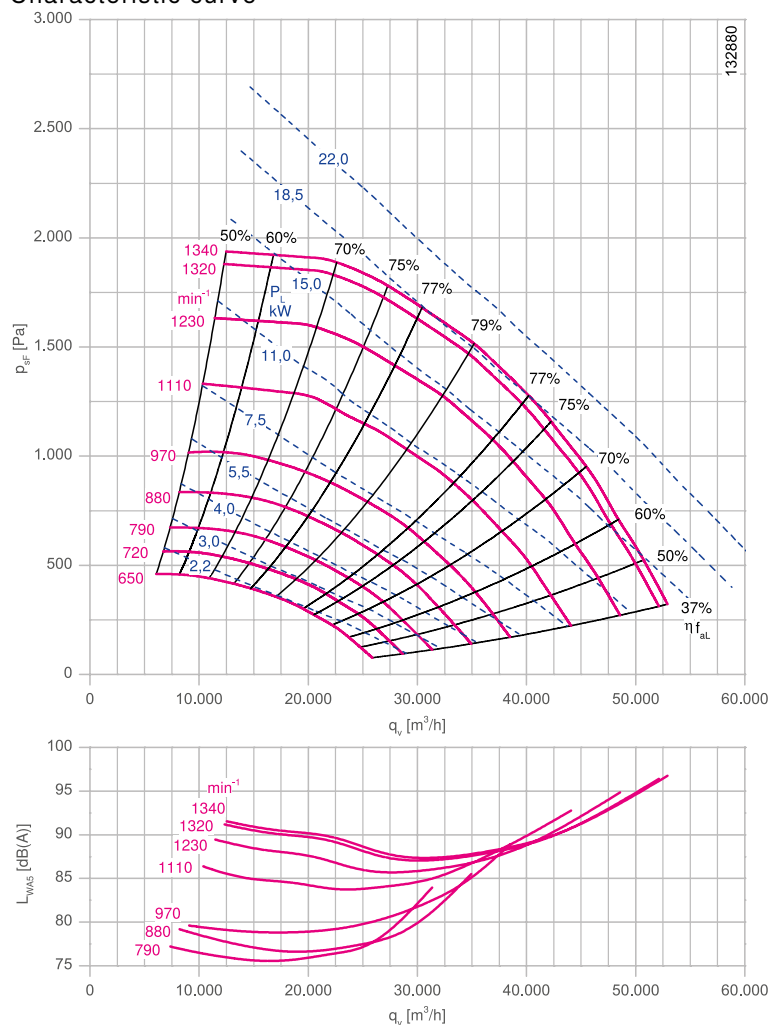
Description

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

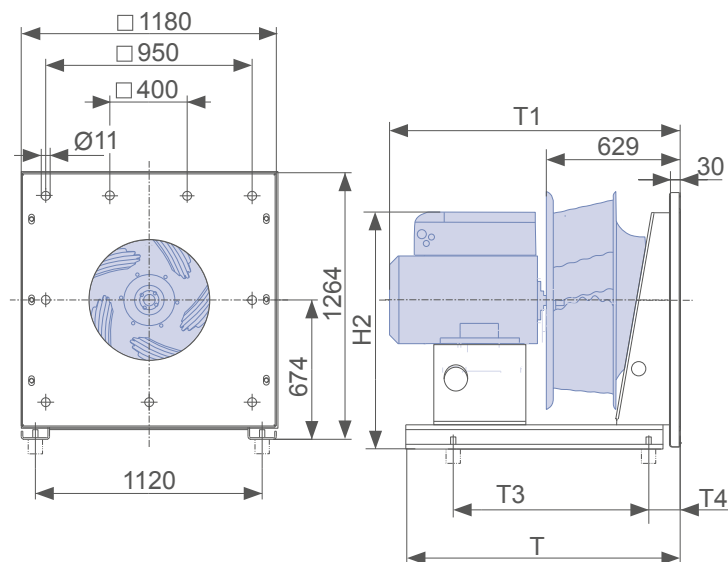
Nozzle coefficients

Standard k	850
With guard grille k _g	800

Characteristic curve



Dimensions mm



L-KL-3638-K-01



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	ER90I-6IN.H7.1R	116059/0P61	132M	92.5	12.5-10.0	950	970	7.80	74.9	76.1
14.90	ER90I-6IN.H7.1R	116060/0P61	132M	94.5	20.0-15.5	1200	1080	11.00	76.5	76.5
14.90	ER90I-6IN.H7.1R	116061/0P61	132M	94.5	27.0-21.0	1200	1210	15.50	76.5	76.2
tbd	ER90I-8IN.K7.1R	116062/0P61	160L	tbd	tbd	tbd	1320	18.50	tbd	tbd
tbd	ER90I-8IN.K7.1R	116063/0P61	160L	tbd	tbd	tbd	1340	22.00	tbd	tbd

* 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	ER90I-6IN.H7.1R	245.00	1160	1060	998	115	937	00403351	00411648	02006450	02001674
14.90	ER90I-6IN.H7.1R	268.00	1160	1111	998	115	998	00403351	00411648	02006451	02001674
14.90	ER90I-6IN.H7.1R	268.00	1160	1111	998	115	998	00403351	00411648	02006451	02000407
tbd	ER90I-8IN.K7.1R	tbd	1160	tbd	998	115	tbd	00403351	00411648	02006451	02000407
tbd	ER90I-8IN.K7.1R	tbd	1160	tbd	998	115	tbd	00403351	00411648	02006451	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	ER90I-6HN.I7.1R	115970/0A41	160M	89.1	16.5-13.0	970	970	8.60	72.2	73.1
11.00	ER90I-6HN.K7.1R	115971/0A41	160L	90.3	24.0-18.5	970	1110	13.00	73.1	73.0
15.00	ER90I-6HN.M7.1R	115972/0A41	180L	91.2	29.0-23.0	978	1230	16.50	73.9	73.4
18.50	ER90I-6HN.N7.1R	115973/0A41	200L	91.7	34.0-30.0	980	1320	21.00	74.3	73.6
22.00	ER90I-6HN.N7.1R	115974/0A41	200L	92.2	36.0-28.0	980	1340	21.00	74.7	73.9

* 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	ER90I-6HN.I7.1R	302.00	1160	1060	998	115	1054	00403351	00411648	02006450	02001674
11.00	ER90I-6HN.K7.1R	336.00	1160	1111	998	115	1038	00403351	00411648	02006450	02000407
15.00	ER90I-6HN.M7.1R	403.00	1160	1111	998	115	1054	00403351	00411648	02006451	02000407
18.50	ER90I-6HN.N7.1R	447.00	1320	1304	1103	115	1068	00403351	00411648	02006451	02000407
22.00	ER90I-6HN.N7.1R	464.00	1320	1282	1050	115	1068	00403351	00411648	02006451	02000407

Plug fan ZAbluefin

ER90I

Motor ZAmotpremium IE3



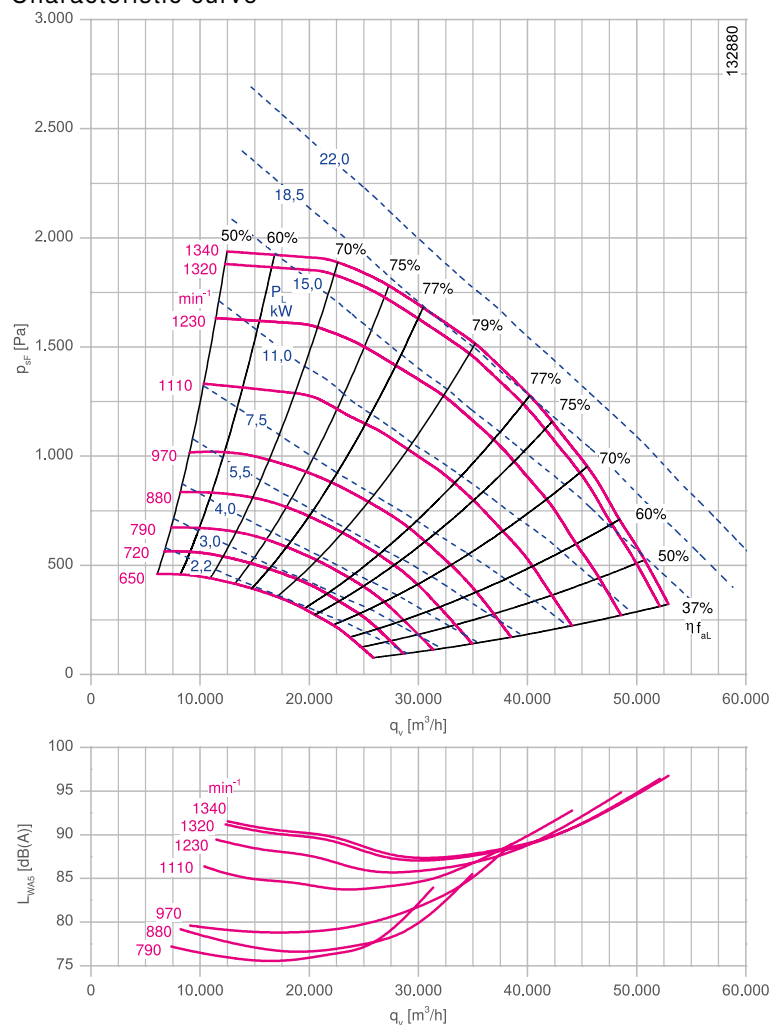
Description

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

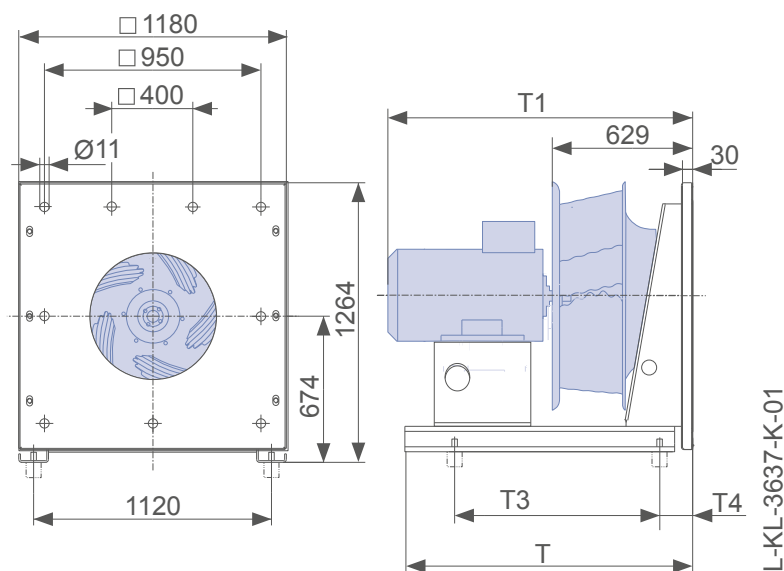
Nozzle coefficients

Standard k	850
With guard grille k_g	800

Characteristic curve



Dimensions mm



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	ER90I-8DN.I7.1R	115968/0141	160M/L	84.8	10.30	730	790	54	68.7	72.3
5.5	ER90I-8DN.I7.1R	115969/0141	160M/L	86.2	14.00	730	880	60	69.8	72.0
7.5	ER90I-6DN.I7.1R	115970/0141	160M/L	89.1	16.00	980	970	49	72.2	73.1
11.00	ER90I-6DN.K7.1R	115971/0141	160L	90.3	23.00	975	1110	57	73.1	73.0
15.00	ER90I-6DN.M7.1R	115972/0141	180L/M	91.2	29.50	975	1230	63	73.9	73.4
18.50	ER90I-6DN.N7.1R	115973/0141	200L	91.7	37.00	975	1320	68	74.3	73.6
22.00	ER90I-6DN.N7.1R	115974/0141	200L	92.2	43.00	978	1340	69	74.7	73.9

* 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	ER90I-8DN.I7.1R	253.00	1160	1129	998	115	00403351	00411648	02006450	02001674	308265
5.5	ER90I-8DN.I7.1R	267.00	1160	1129	945	115	00403351	00411648	02006450	02001674	308267
7.5	ER90I-6DN.I7.1R	274.00	1160	1129	945	115	00403351	00411648	02006450	02001674	308267
11.00	ER90I-6DN.K7.1R	296.00	1160	1189	788	115	00403351	00411648	02006450	02000407	308323
15.00	ER90I-6DN.M7.1R	364.00	1320	1193	1103	115	00403351	00411648	02006451	02000407	308325
18.50	ER90I-6DN.N7.1R	402.00	1320	1246	1155	115	00403351	00411648	02006451	02000407	308327
22.00	ER90I-6DN.N7.1R	417.00	1320	1271	1155	115	00403351	00411648	02006451	02000407	308329

