

Plug fan ZAbbluefin

ER10I

Motor PMblue IE4 and AMblue IE3



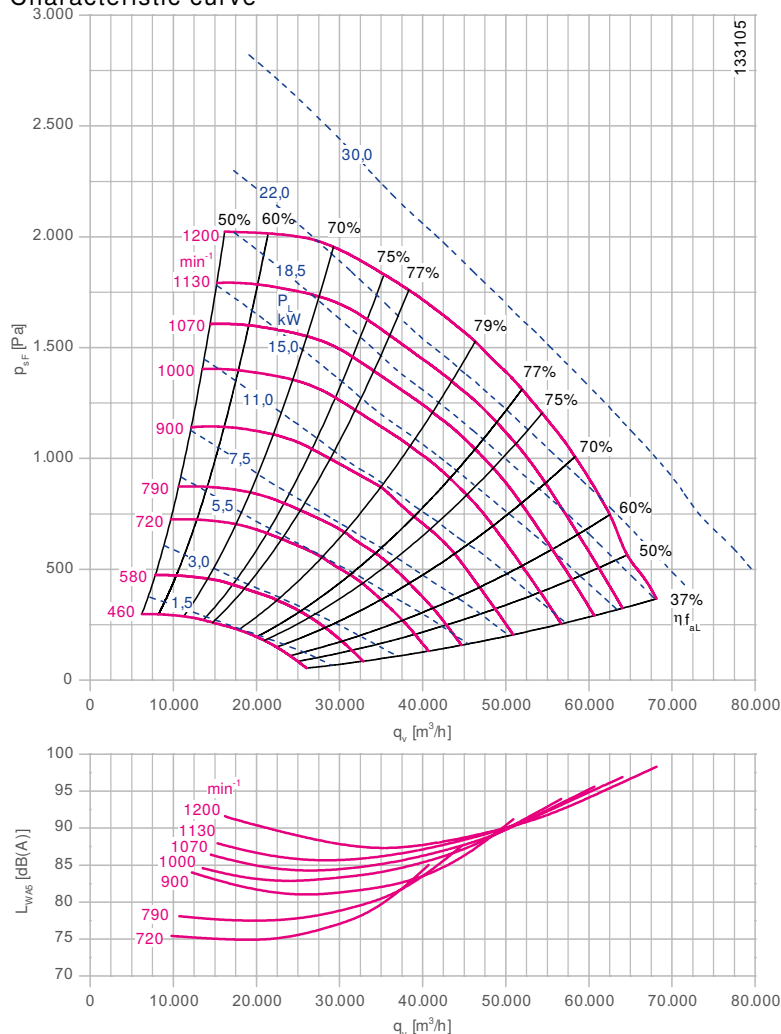
Description

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

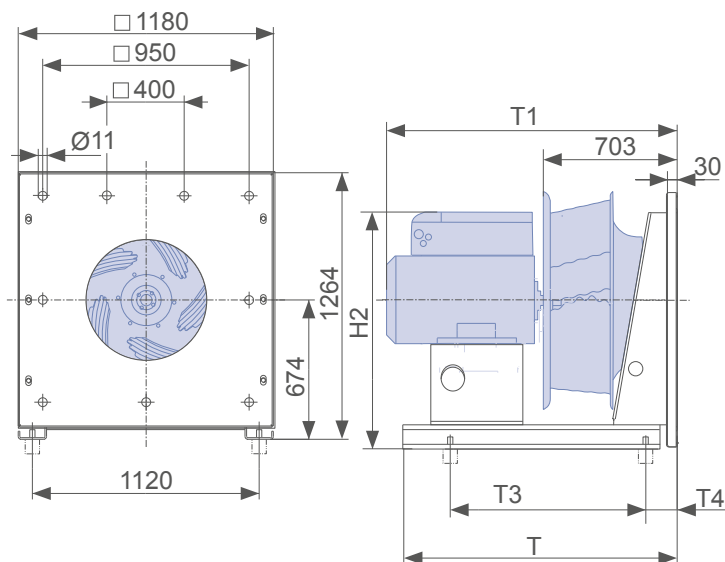
Nozzle coefficients

Standard k	1050
With guard grille k _g	1000

Characteristic curve



Dimensions mm



L-KL-3638-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}^*
10.80	ER10I-6IN.H7.1R	116064/0P61	132M	91.9	18.0-14.5	880	900	11.00	74.3	74.2
14.60	ER10I-8IN.K7.1R	116065/0P61	160L	91.9	26.0-21.0	1000	1000	15.50	74.3	73.8
18.50	ER10I-8IN.K7.1R	116066/0P61	160L	92.4	32.0-25.0	1070	1070	19.00	74.7	74.0
22.00	ER10I-8IN.K7.1R	116067/0P61	160L	92.8	38.0-30.0	1130	1130	23.00	75.0	74.2

* 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
10.80	ER10I-6IN.H7.1R	306.00	1160	1182	945	115	998	00403351	00411649	02006450	02001674
14.60	ER10I-8IN.K7.1R	347.00	1160	1248	945	115	1026	00403351	00411649	02006451	02000407
18.50	ER10I-8IN.K7.1R	356.00	1160	1248	945	115	1026	00403351	00411649	tbd	tbd
22.00	ER10I-8IN.K7.1R	361.00	1160	1248	945	115	1026	00403351	00411649	tbd	tbd

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}^*
11.00	ER10I-8HN.M7.1R	115978/0A41	180L	88.6	21.0-16.0	735	900	12.00	71.6	71.5
15.00	ER10I-6HN.M7.1R	115979/0A41	180L	91.2	29.0-23.0	978	1000	16.50	73.7	73.3
18.50	ER10I-6HN.N7.1R	115980/0A41	200L	91.7	33.0-27.0	980	1070	20.00	74.1	73.4
22.00	ER10I-6HN.N7.1R	115981/0A41	200L	92.2	40.0-32.0	980	1130	24.00	74.5	73.7

* 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	H2 mm	Flexible inlet connector	Guard grille	Vibration damper	
										Spring	Rubber
11.00	ER10I-8HN.M7.1R	442.00	1320	1322	1155	115	1054	00403351	00411649	02006451	02001674
15.00	ER10I-6HN.M7.1R	442.00	1320	1322	1155	115	1054	00403351	00411649	02006451	02000407
18.50	ER10I-6HN.N7.1R	486.00	1320	1353	1155	115	1068	00403351	00411649	02006451	02000407
22.00	ER10I-6HN.N7.1R	503.00	1320	1375	1155	115	1068	00403351	00411649	02006451	02000407

Plug fan ZAbbluefin

ER10I

Motor ZAmotpremium IE3



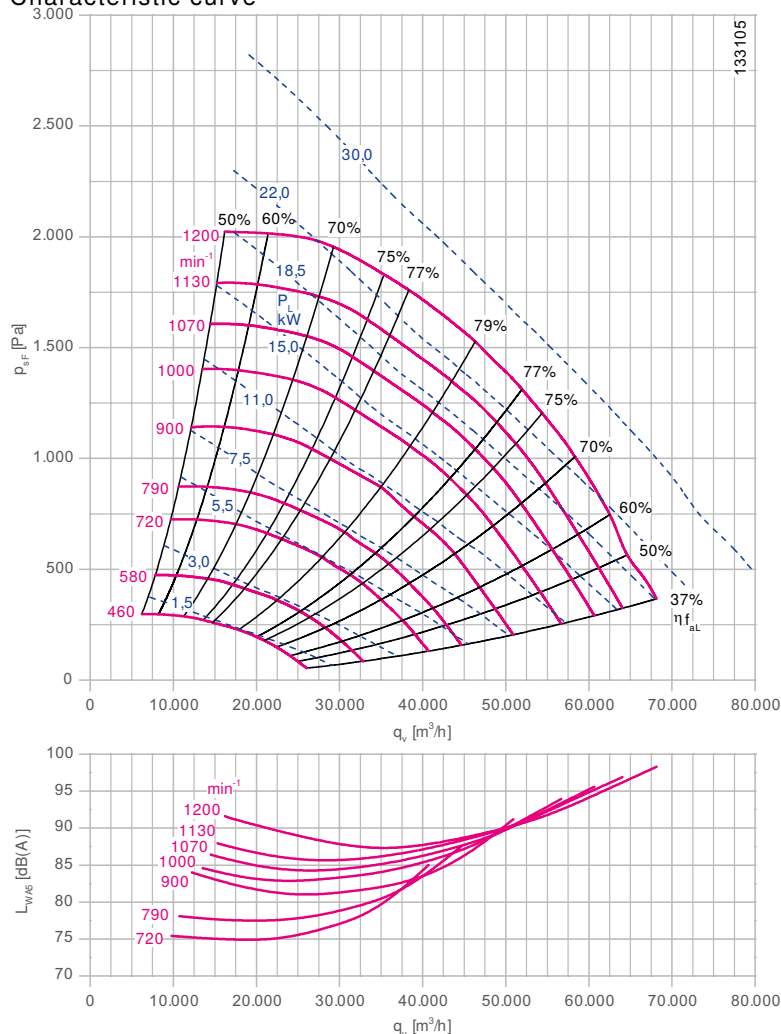
Description

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

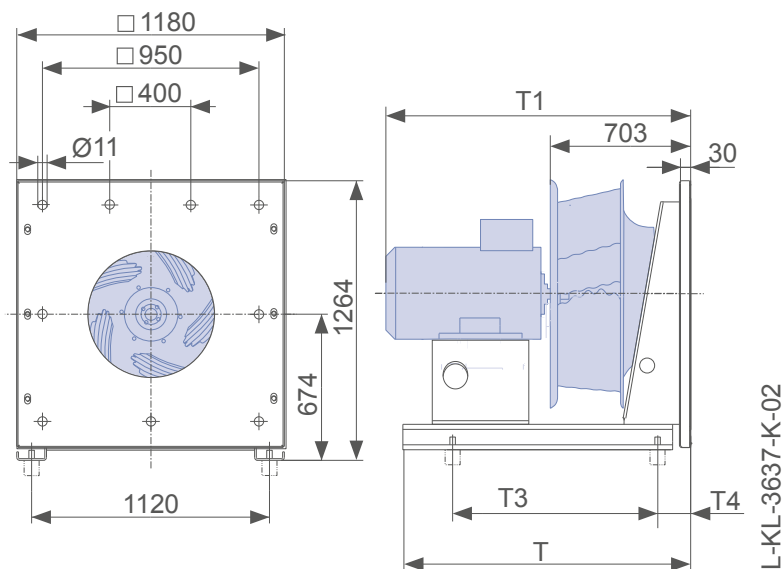
Nozzle coefficients

Standard k	1050
With guard grille k _g	1000

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}^*
5.5	ER10I-8DN.I7.1R	115976/0141	160M/L	86.2	14.00	730	720	49	69.7	71.8
7.5	ER10I-8DN.K7.1R	115977/0141	160L	87.3	19.10	728	790	54	70.6	71.4
11.00	ER10I-8DN.M7.1R	115978/0141	180L/M	88.6	24.00	725	900	62	71.6	71.5
15.00	ER10I-6DN.M7.1R	115979/0141	180L/M	91.2	29.50	975	1000	51	73.7	73.3
18.50	ER10I-6DN.N7.1R	115980/0141	200L	91.7	37.00	975	1070	55	74.1	73.4
22.00	ER10I-6DN.N7.1R	115981/0141	200L	92.2	43.00	978	1130	58	74.5	73.7
30.00	ER10I-6DN.R7.1R	115982/0141	225M/S	92.9	56.00	982	1200	61	75.1	74.0

* 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	
5.5	ER10I-8DN.I7.1R	305.00	1160	1200	998	115	00403351	00411649	02006450	02001674	308267
7.5	ER10I-8DN.K7.1R	329.00	1160	1260	998	115	00403351	00411649	02006450	02001674	308323
11.00	ER10I-8DN.M7.1R	413.00	1320	1294	1155	115	00403351	00411649	02006451	02001674	308323
15.00	ER10I-6DN.M7.1R	403.00	1320	1264	1155	115	00403351	00411649	02006451	02000407	308325
18.50	ER10I-6DN.N7.1R	440.00	1320	1317	1155	115	00403351	00411649	02006451	02000407	308327
22.00	ER10I-6DN.N7.1R	455.00	1320	1342	1155	115	00403351	00411649	02006451	02000407	308329
30.00	ER10I-6DN.R7.1R	548.00	1320	1416	1155	115	00403351	00411649	02006452	02000407	308331