

Plug fan C ATEX

ER90C

Motor ZAmotpremiumEX IE2



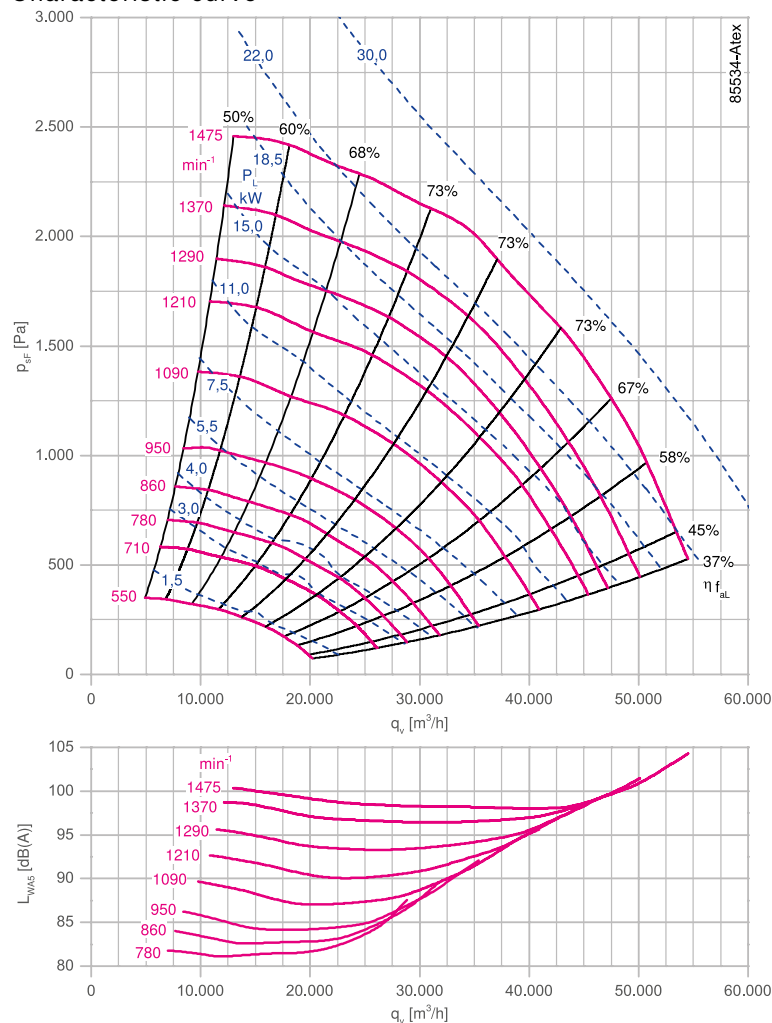
Description

Plug fan with high performance centrifugal impeller
Impeller made of bright sheet metal powder-coated according to resistance class 2 RAL 9005 (jet black)
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
Temperature class: II 2 G c IIB T4
Conformity: EAC

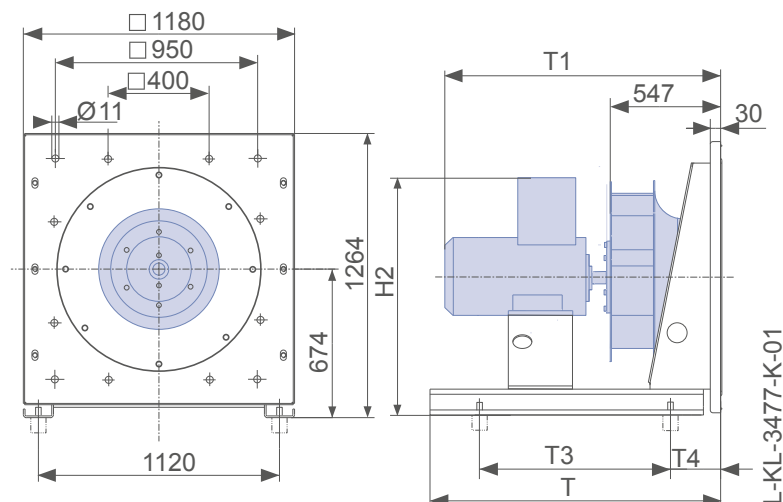
Nozzle coefficients

Standard k	724
With guard grille k_g	691

Characteristic curve



Dimensions mm



C-ATEX-ZAmotpremiumEX 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
4.00	ER90C-8DY.I7.1R	130537/EX01	160M	87.3	8.30	720	780	54
5.5	ER90C-8DY.I7.1R	130538/EX01	160M	87.3	11.40	720	860	60
7.5	ER90C-6DY.I7.1R	130539/EX01	160M	87.2	16.80	975	950	49
11.00	ER90C-6DY.K7.1R	130540/EX01	160L	88.7	23.50	975	1090	56
15.00	ER90C-6DY.M7.1R	130541/EX01	180L	89.7	31.00	975	1210	62
18.50	ER90C-6DY.N7.1R	130542/EX01	200L	90.4	36.00	978	1290	66
22.00	ER90C-6DY.N7.1R	130543/EX01	200L	90.9	42.50	978	1370	70
30.00	ER90C-4DY.N7.1R	130544/EX01	200L	92.3	56.00	1470	1475	50

P_N kW	Type	Weight kg	T mm	T1 mm	T3 mm	T4 mm	H2 mm	Flexible inlet connector	Guard grille	Vibration damper		Frequency inverters 3~
										Spring	Rubber	
4.00	ER90C-8DY.I7.1R	378.00	1160	1258	940	115	979	00406435	00412710	02006450	02001674	308236
5.5	ER90C-8DY.I7.1R	378.00	1160	1258	940	115	979	00406435	00412710	02006450	02001674	308265
7.5	ER90C-6DY.I7.1R	370.00	1160	1258	940	115	979	00406435	00412710	02006451	02001674	308267
11.00	ER90C-6DY.K7.1R	379.00	1160	1258	940	115	982	00406435	00412710	02006451	02000407	308323
15.00	ER90C-6DY.M7.1R	450.00	1320	1294	1070	115	1023	00406435	00412710	02006451	02000407	308325
18.50	ER90C-6DY.N7.1R	522.00	1320	1356	1070	115	1043	00406435	00412710	02006452	02000407	308327
22.00	ER90C-6DY.N7.1R	522.00	1320	1356	1125	115	1043	00406435	00412710	02006452	02019767	308329
30.00	ER90C-4DY.N7.1R	522.00	1320	1356	1125	115	1043	00406435	00412710	02006452	02019767	308331

Information

ZAbuefin

Cpro

C

C ATEX

Impellers with hub

System components

Control technology

General notes