

Plug fan C ATEX

ER31C

Motor ZAmotpremiumEX IE2



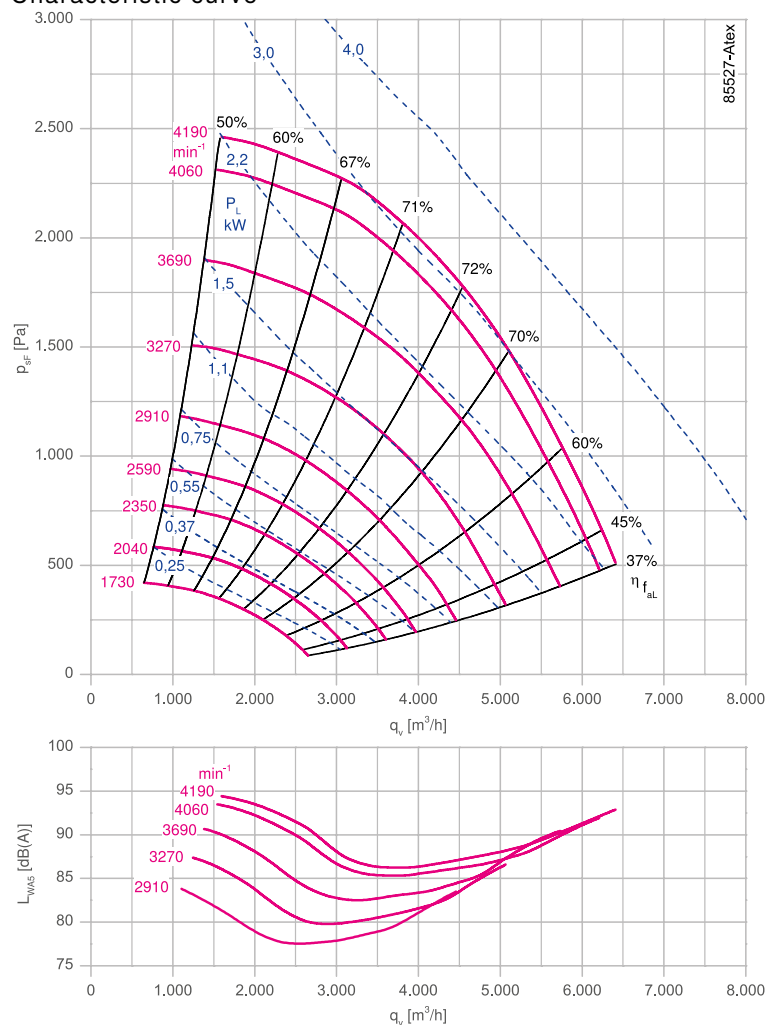
Description

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

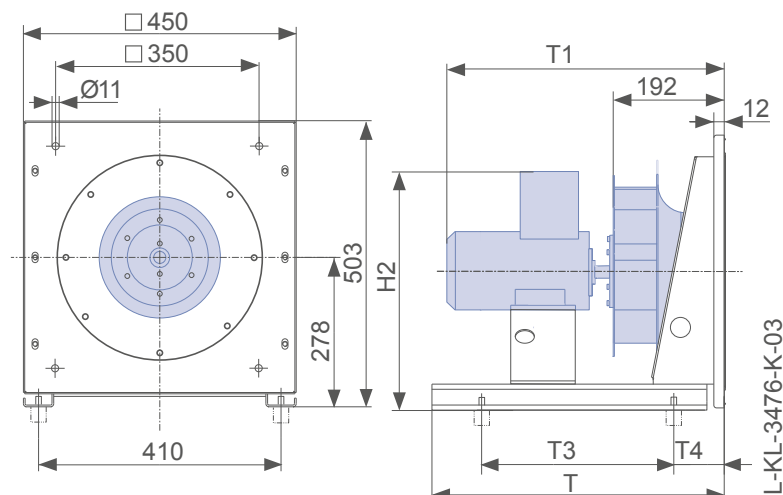
Nozzle coefficients

Standard k	87
With guard grille k_g	83

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
1.1	ER31C-2DY.B7.1R	130599/EX01	080M	79.6	2.40	2835	2910	51
1.5	ER31C-2DY.D7.1R	130600/EX01	090L	81.3	3.20	2885	3270	57
2.2	ER31C-2DY.D7.1R	130601/EX01	090L	83.2	4.50	2890	3690	64
3.00	ER31C-2DY.E7.1R	130602/EX01	100L	84.6	6.10	2905	4060	70
4.00	ER31C-2DY.F7.1R	130603/EX01	112M	85.8	7.80	2950	4190	72

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	
1.1	ER31C-2DY.B7.1R	40.00	562	541	410	60	486	00406431	00412701	02021196	00090144	308228
1.5	ER31C-2DY.D7.1R	51.00	562	599	460	60	491	00406431	00412701	02021196	00090144	308230
2.2	ER31C-2DY.D7.1R	51.00	562	599	460	60	491	00406431	00412701	02021197	00090144	308232
3.00	ER31C-2DY.E7.1R	67.00	562	645	480	60	505	00406431	00412701	02021197	00090144	308234
4.00	ER31C-2DY.F7.1R	77.00	562	628	480	60	518	00406431	00412701	02021197	00090144	308236

Information

ZAbuefin

Cpro

C

C ATEX

Impellers with hub

System components

Control technology

General notes