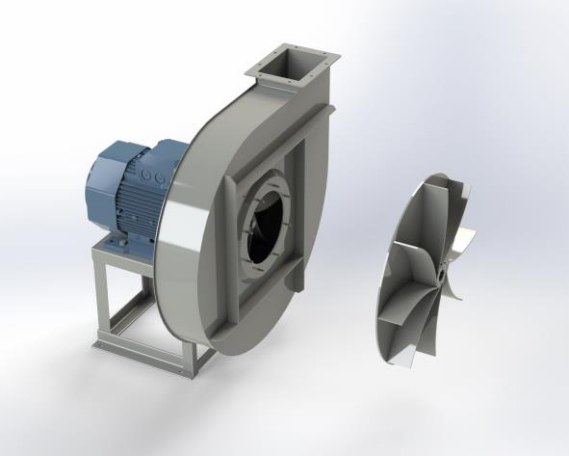
TG 451A



Centrifugal fan model TG, Es.4
Single inlet fan, direct driven with an IEC-standard motor in form B3 which is mounted on a motorbase. The overhang impeller is mounted on the motor shaft and has backwardly curved blades. De blades are welded between the back plate disc and the aerodynamically formed front plate. The robust industrial fan is totally made of steel and painted in the agate grey color RAL 7037. The fan is suitable for the transport of granules and trimmings in nylon; for loading solid fuels into boilers, etc.

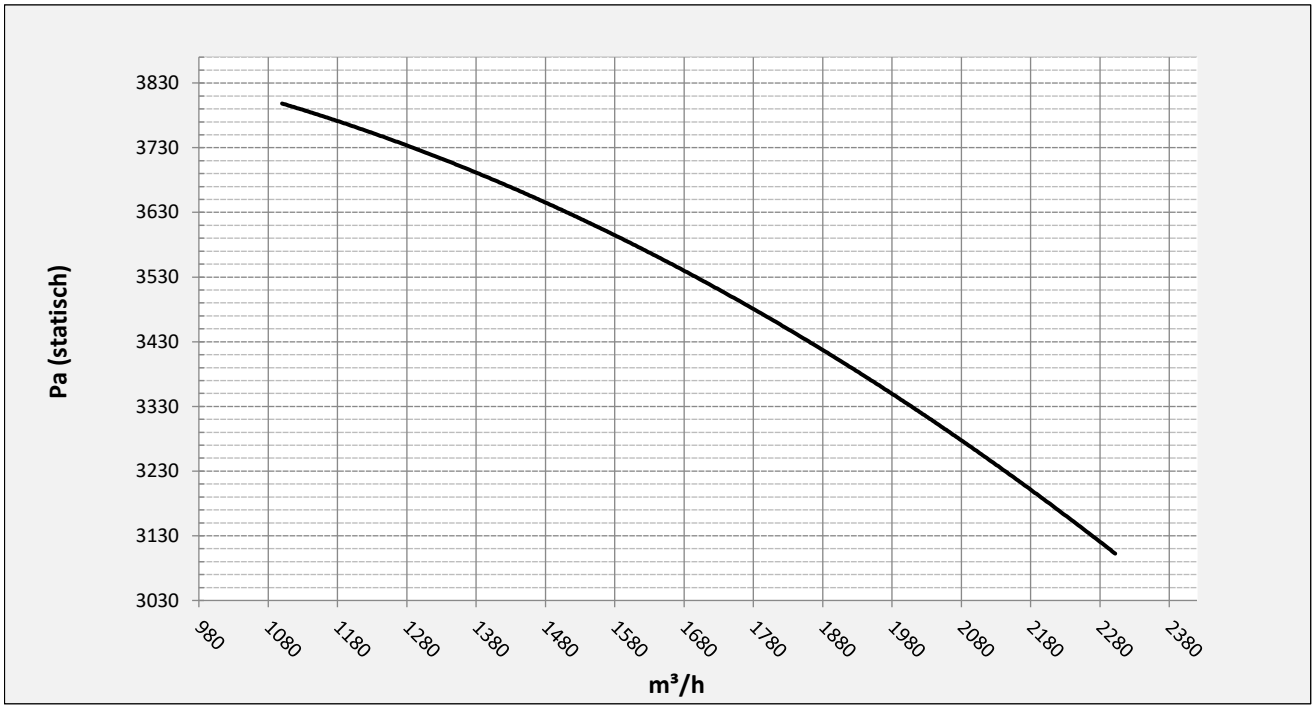
General data:

Drive	**direct**	
Motor position	**horizontal**	
Material casing/base	**Steel**	
Material impeller/hub	**Steel**	
Motorcoating/protection	**RAL 7037**	
Operating temperature (max.)	**15 (80)**	**°C**
Medium density (altitude 0 m)	**1,226**	**kg/m3**
Impeller speed	**2900**	**rpm**
Weight	**94**	**kg**
Sound pressure level ±3 *(at 1,5 m near the fan with inlet and outlet ducted, in free field)*	**82**	**dB(A)**

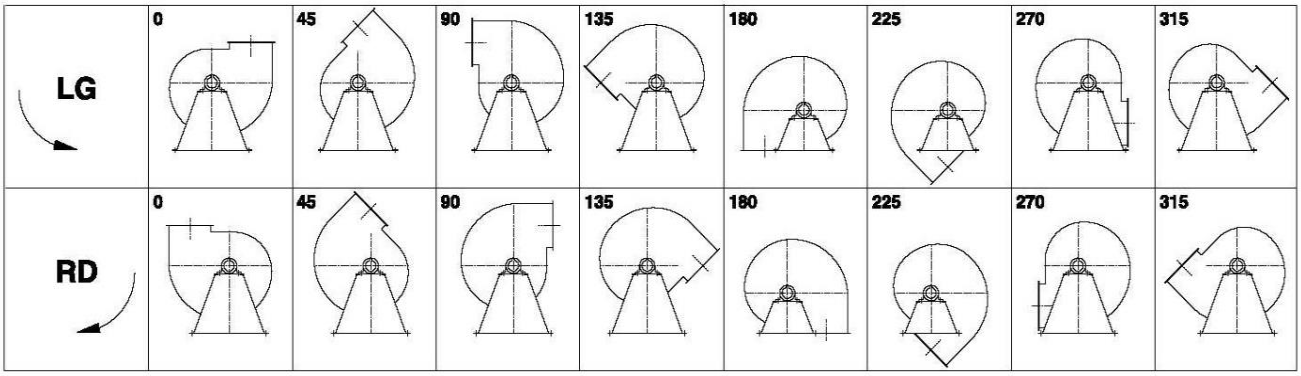
Electric motor:

	112M	**IEC**
Power	**4**	**kW**
Motor speed	**2.900**	**rpm**
Electric supply	**3x400V50Hz**	**V/Hz**
Full load current	**7,59**	**A**
Enclosure	**55**	**IP**
Shape	**B3T**	
Efficiency class	**IE3**	

Curve TG 451A @ 2900rpm @ 15°C @ 0m



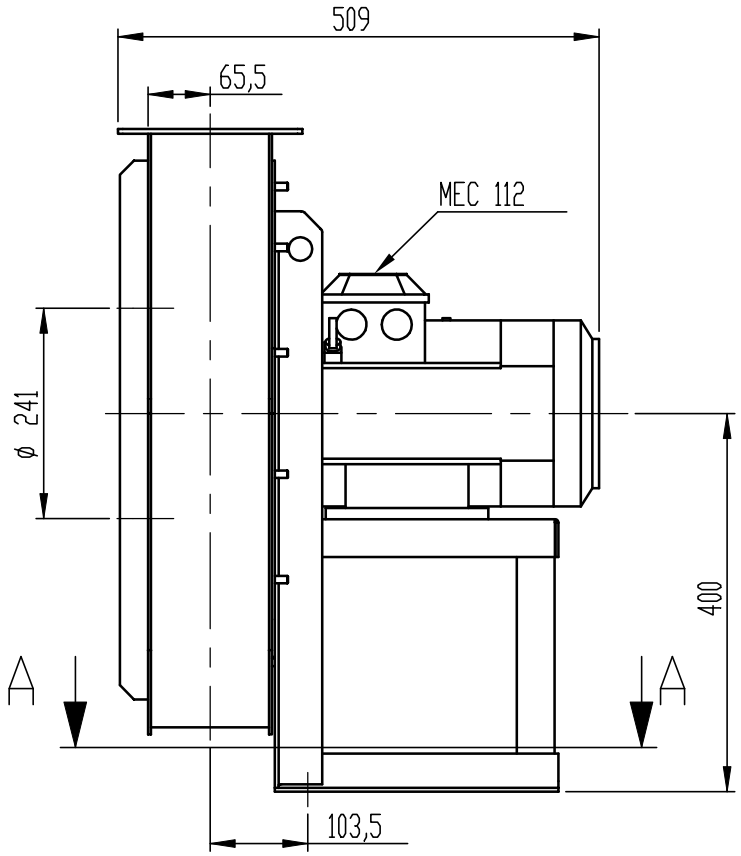
Possible discharge positions:

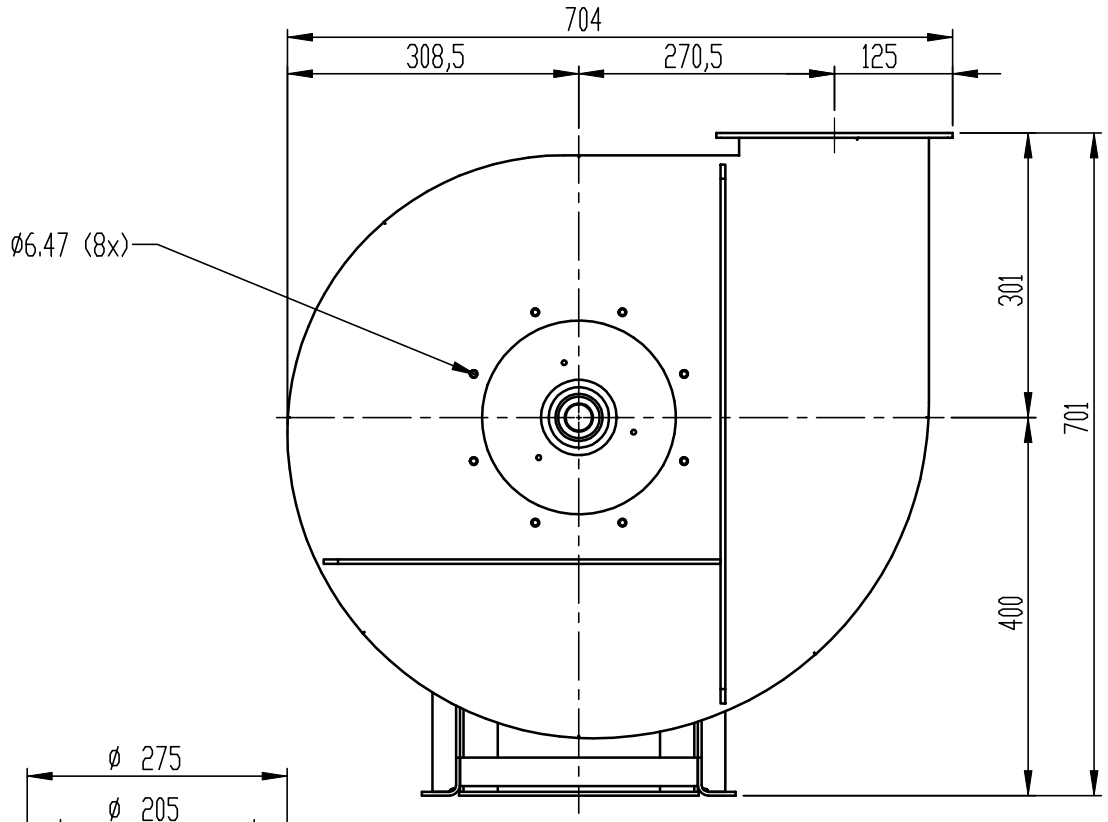


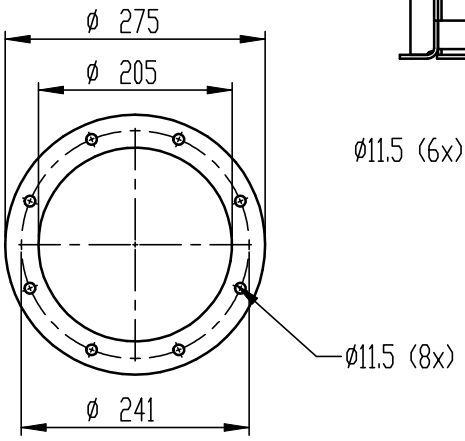
* (Pos 180 and 225 extra price)

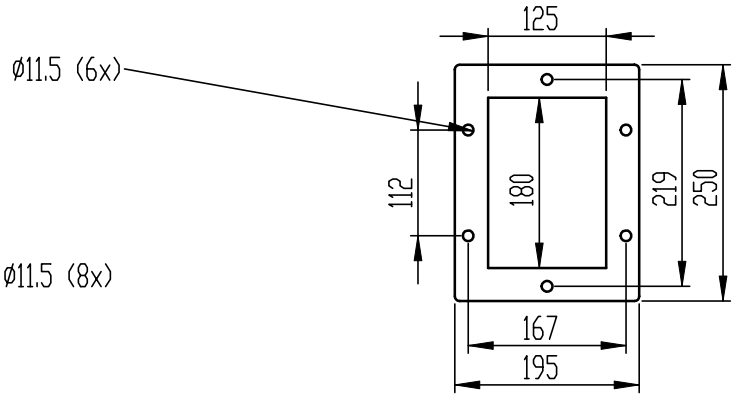
Possible accessories

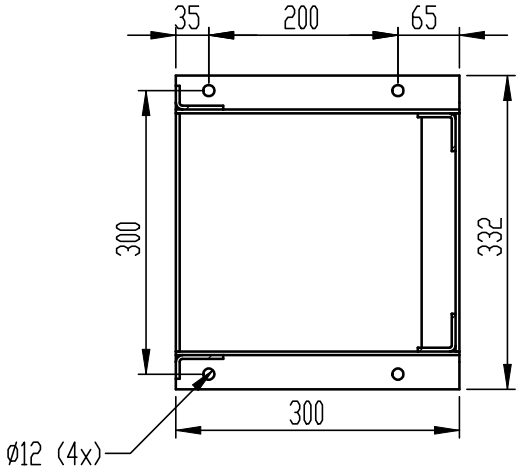
Mounting profiles for load distribution	AP100-11201ST
Counterflange inlet/outlet	zz Ø200 / pz 180x125
Flexible connection inlet/outlet max. 80°C	zz Ø250 / pz Ø250
Anti-vibration mountings	4x 30x20/B/55° ShA
Inspectiondoor	
Drain connection	
Shaft seal without asbestos	
Coolingwheel (medium max. 150°C)	(incl. coating RAL9006)
Flexible connection inlet/outlet max. 150°C	zz Ø250 / pz Ø250
ATEX version	Zone 1 / 2 / 21 / 22
ATEX motor	Ex nA / Exe / Ex de
Coating suitable for outdoor application	RAL 5010 / RAL ….
Stainless steel version	304 / 316 / …
Acoustic enclosure	









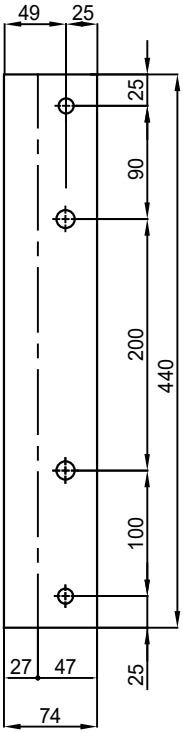


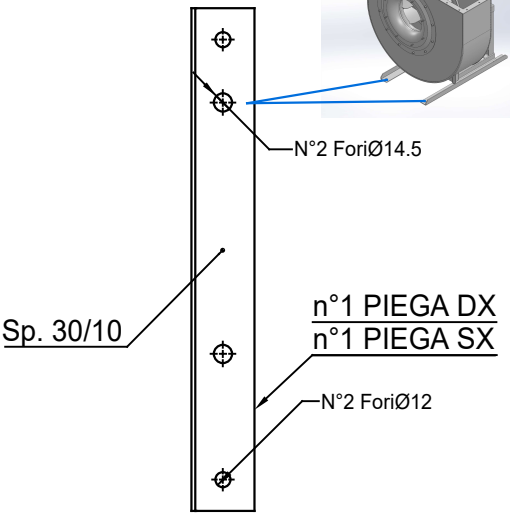
DESCRIZIONE - DESCRIPTION ve TG 451/A - RD 0	SCALE-SCHAAL 1:8	PREPARED-GEMAAKT Overmeer E.	FORMAT-FORMAAT A4
	DATA-DATUM 29/11/2023		

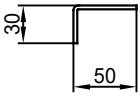
Slingerland ventilatoren

N.DRAWING-N.TEKENING

V1TG451/A







COMM.
N°

00	02/02/2016	PRIMA EMISSIONE	RK	RK
01	16/09/2020	Extention pedestal	MvS	MvS
REV	DATA - DATE	DESCRIZIONE - DESCRIPTION	DISEGNATO PREPARED	CONTROLLATO CHECKED

DESCRIZIONE - DESCRIPTION	MATERIALE - MATERIAL	NR.FILE	PESO - WEIGHT
	Fe 360		Kg

DESCRIZIONE - DESCRIPTION

Staffe per Puffer L=440
IEC 100-112 / AP series

SCALA 1:4	DISEGNATO - PREPARED	FORMATO
DATA 02/02/2016	RK	A4

SOSTITUISCE IL - REPLACED THE N°

SOSTITUITO DAL - REPLACES BY N°

N.DISEGNO - N.DRAWING

STF-AP10011201ST

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REV.

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