



THGT

THGT/2-560-6/18 BLPK 5,5kW (400V50HZ) F300/F200 IE3 V5



Range of adjustable pitch aerofoil blade, cased axial flow fans designed for smoke extract in fire conditions. Casings formed from rolled sheet steel with a corrosion resistant hot dipped galvanised finish for all models. Suitable for horizontal or vertical mounting installation. F300 (CE marked) motors are IP55, class H insulation, suitable for inverter control. Long casing versions with large inspection door fitted (that enables access to the motor terminal box for electrical connection) and terminal box. In emergency operation, no need for DOL or de-rating, as long as the VFTM range of VSDs is used, and/or requirements defined in EN 12101-3 are followed. Brand S&P model THGT/2-560-6/18 BLPK 5,5kW (400V50Hz) F300/F200 IE3 V5 for an airflow 14.869 m³/h and static pressure 564 Pa.

SolerPalau Sistemas de Ventilación SLU certifies that this model is licensed to bear the AMCA Seal for Air Performance. The ratings shown are based on test and procedures performed in accordance with AMCA Publication 211 and comply with the requirement of the AMCA Certified Ratings Program.

Performance certified is for installation type D; ducted inlet, ducted outlet, without the effect of appurtenances. The AMCA Certified Ratings Seal applies to air performance ratings only. Power rating excludes transmission losses.

The revision version is EasyVent v11, May 2020. Certification may be checked at [AMCA](#)

G52566055U43 - THGT/2-560-6/18 BLPK 5,5kW (400V50Hz) F300/F200 IE3 V5



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Theoretical Working Point

Airflow	14,844 m³/h
Static Pressure	562 Pa
Temperature	20 °C
Altitude	0 m
Density	1,2 kg/m³
Frequency	50 Hz

Working Point

Airflow	14,869 m³/h
Static Pressure	564 Pa
Dynamic pressure	169 Pa
Total Pressure	733 Pa
Shaft power	5,00 kW
Max shaft power	5,05 kW
Tot efficiency	60,6 %
Outlet speed	16,8 m/s
Fan speed	2940 rpm
Specific Fan Power	1,35 W/l/s

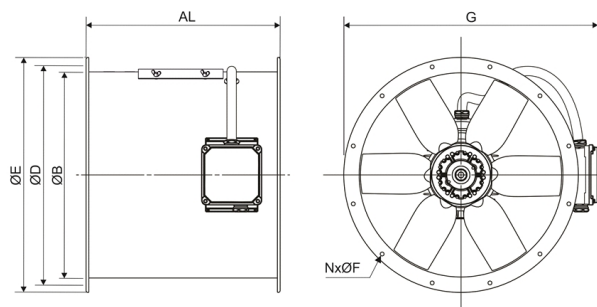
Construction

Discharge diameter	560 mm
Blades	6
Angle	18°
Product Code	G52566055U43
Generical Code	G52566055U43
Certification	F300/F200
Weight	121,00 kg

Motor Characteristics

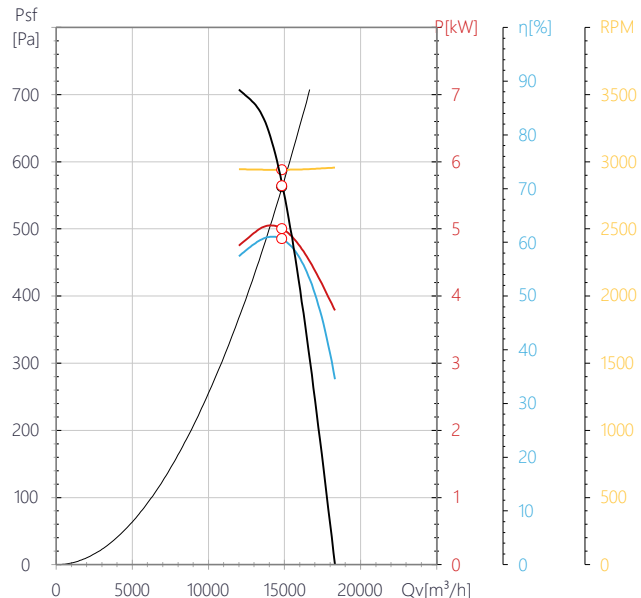
Number of poles	2
Motor Power	5,5 kW
Voltage	3-400/690V-50Hz
FLC	10,6 A / 6,1 A
IP Rating	IP55
Motor insulation class	H
Motor Certification	F300
Motor Efficiency	IE3
Starting Current	89 A

Drawing (mm)



AL	B	D	E	F	N	G
600	560	620	655	12	12	726

Performance Chart

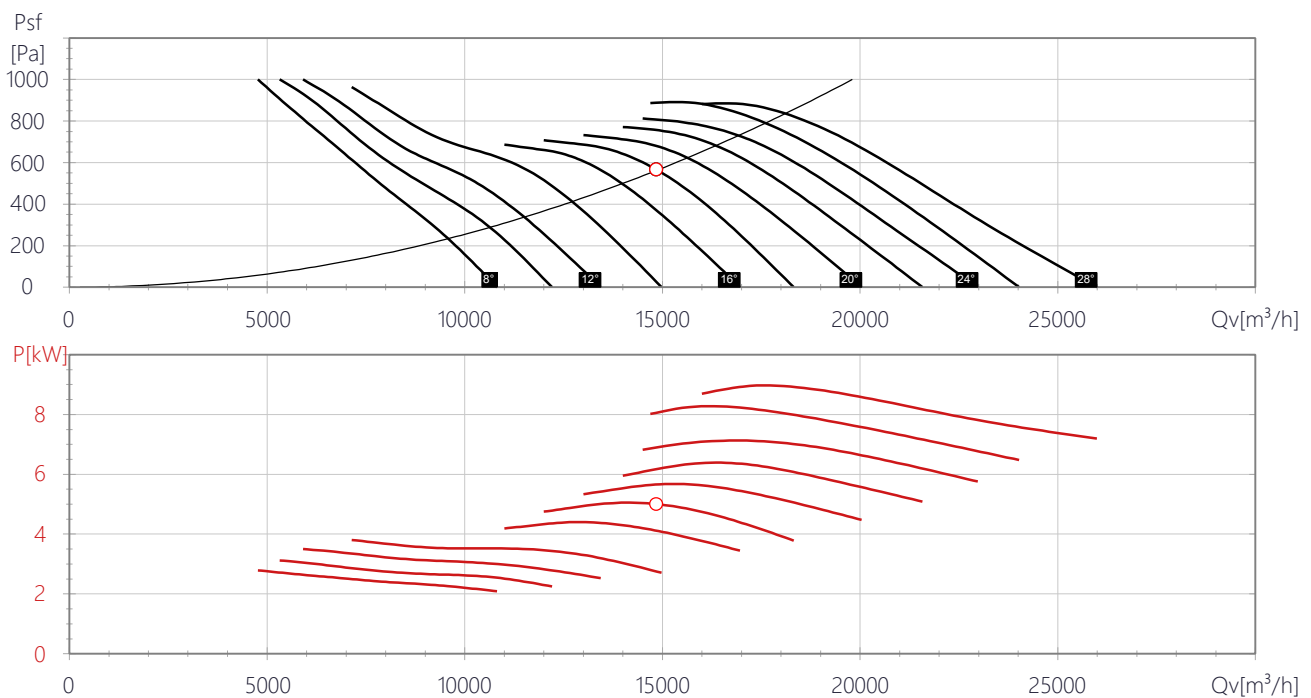
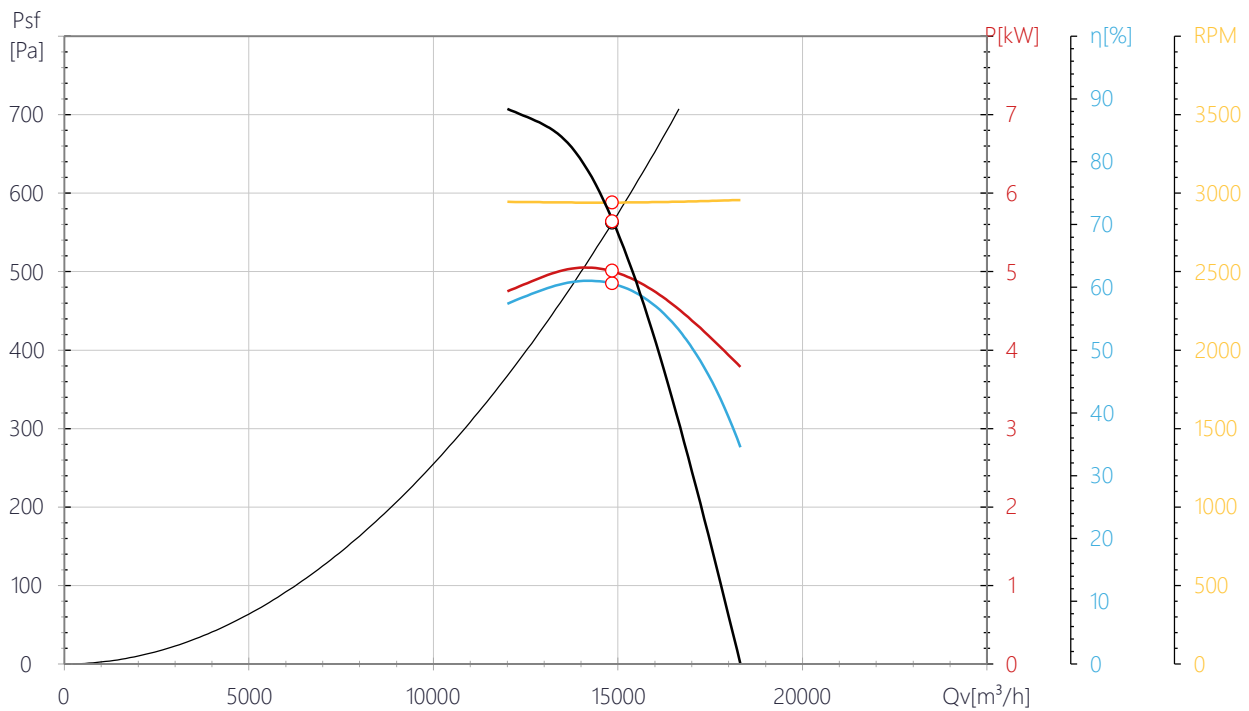




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THGT/2-560-6/18 BLPK 5,5KW (400V50HZ) F300/F200 IE3 V5

Performance Chart





THGT

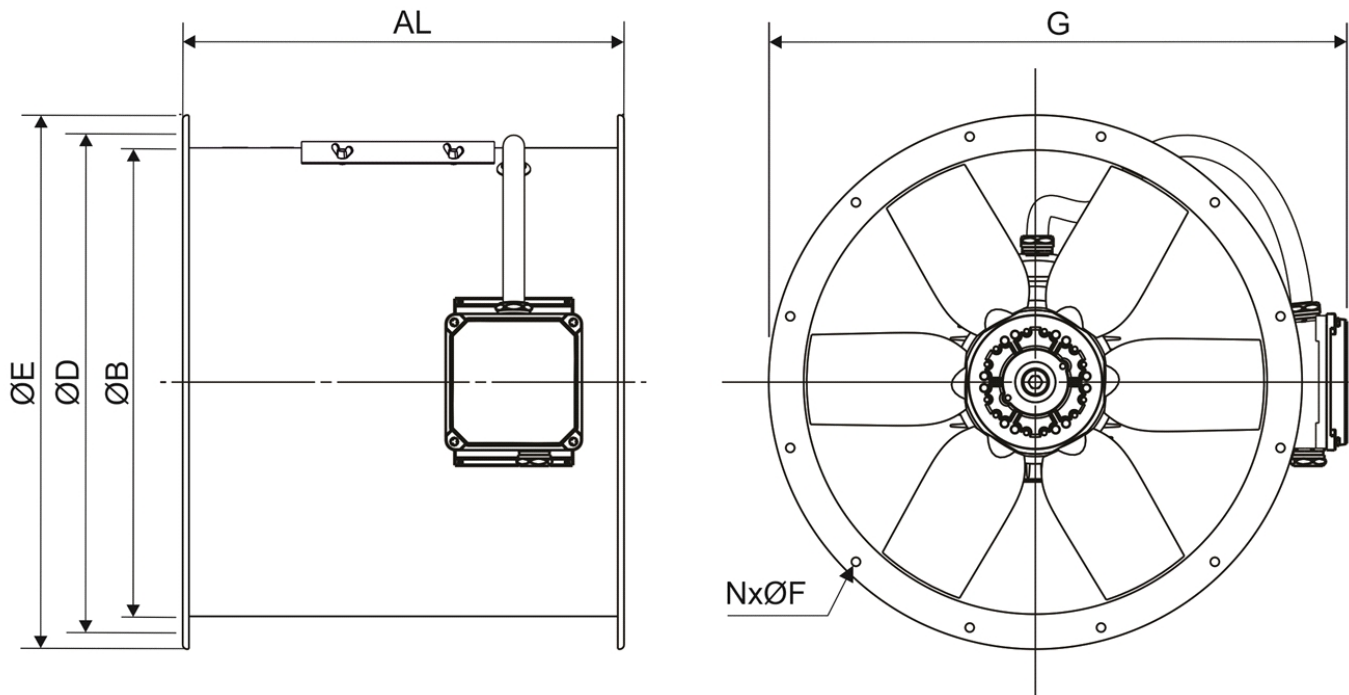
THGT/2-560-6/18 BLPK 5,5KW (400V50HZ) F300/F200 IE3 V5

Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	62	78	88	95	96	93	87	79	100
Inlet LpA @ 1m	51	67	77	84	85	82	76	68	89



Drawing (mm)



AL	B	D	E	F	N	G
600	560	620	655	12	12	726



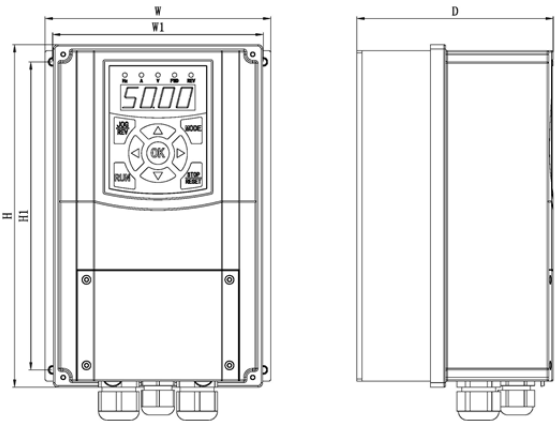
THGT

THGT/2-560-6/18 BLPK 5,5KW (400V50HZ) F300/F200 IE3 V5

Accessories

L1000000663 - S&P VFD-M 16A IP54 (1-PH)

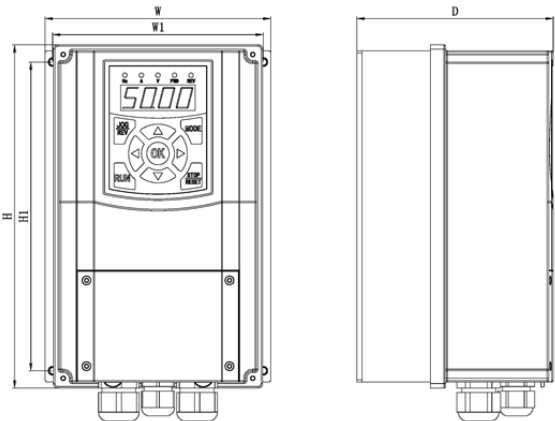
Single-phase 230V-50/60Hz Voltage supply. Motor kW protection programmable by a single parameter. Power on and drive status indication. Speed selection with UP/DOWN keys. Run/Fault relay output contacts. Motor overload and shortcut protections.



Dimensions					
H	H1	W	W1	D	d
228	205	150	140	131	4.5

L1000000679 - S&P VFD-T 13A IP54 (3-PH)

Three-phase 400V-50/60Hz Voltage supply. Motor kW protection programmable by a single parameter. Power on and drive status indication. Speed selection with UP/DOWN keys. Run/Fault relay output contacts. Motor overload and shortcut protections.

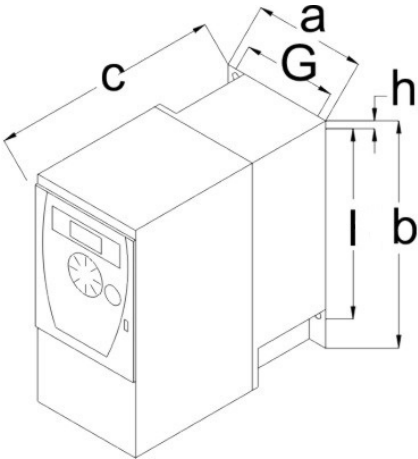


Dimensions					
H	H1	W	W1	D	d
228	205	150	140	131	4.5

5401226700 - VFTM320 TRI 5,5



Adjustable frequency drive. Three phase supply 400V-50/60Hz, three phase 400V output.

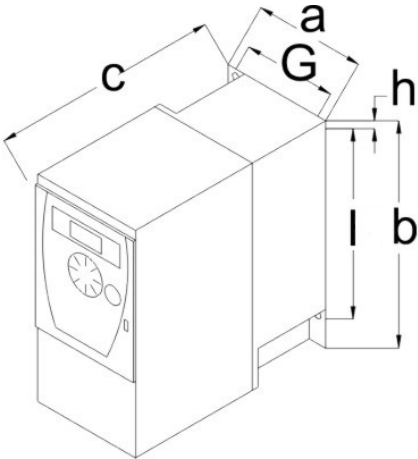


Dimensions					
a	b	c	G	I	h
150	308	232	130	210	5

5401228600 - VFTM320 TRI 5,5 IP66



Adjustable frequency drive. Three phase supply 400V-50/60Hz, three phase 400V output.



Dimensions					
a	b	c	G	I	h
320	521	30	300	496	8



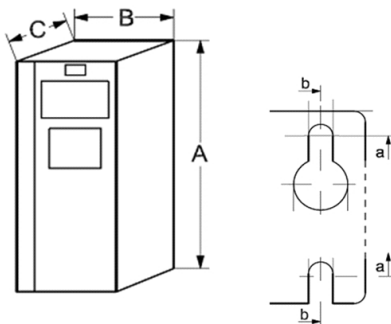
THGT

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L0111000001138 - VLTM102 5.5kW 11.7A IP66 (400V)



Frequency converters for three-phase motors from 1.1 to 15kW. IP66 protection rating.VLTM IP66 Models: 400V-50/60Hz three-phase supply voltage and 400V three-phase output.External screen for viewing parameters.Internal control buttons for manual speed regulation (frequency).Special plug & play configuration for constant pressure work modes or manual regulation with internal control buttons.Overload and short circuit protection. Integrated class 2 EMC filter.Modbus and CANopen communication protocols integrated as standard.BACnet MSTP and Modbus RTU as Standard.Additional Modules available:-Additional relays.-BACNET./ip-Thermistor module (PTC).-Real Time Clock battery.

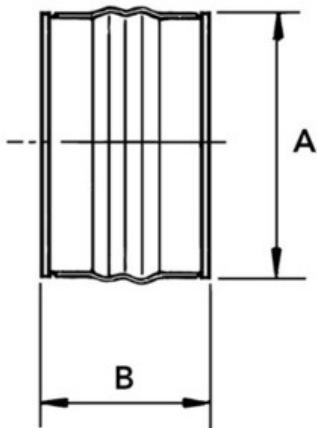


W = Weight (kg)

Dimensions					
A	B	C	a	b	W
420	242	195	402	215	14.2

5138921400 - ACOPEL F400-560/160 N

FLEXIBLE CONNECTOR



Dimensions	
A	B
568	160



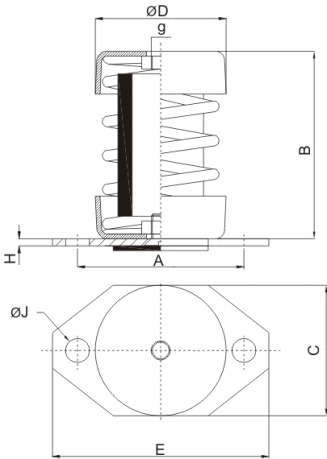
THGT

THGT/2-560-6/18 BLPK 5,5KW (400V50HZ) F300/F200 IE3 V5

5130865800 - AM-100M



Metallic anti vibration mount

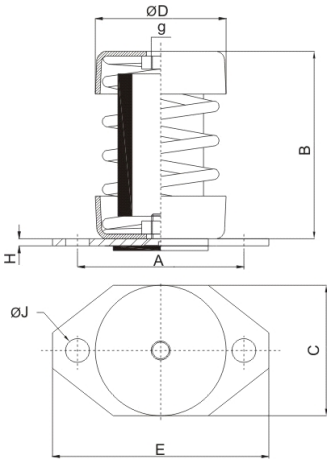


Dimensions							
A	B	C	D	E	gM	H	J
70	79	55	55	91	8	3	10

5130963900 - AM-125M



Metallic anti vibration mount

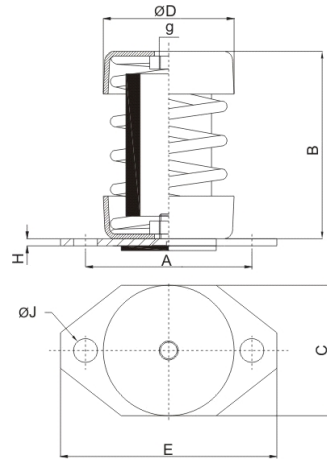


Dimensions							
A	B	C	D	E	gM	H	J
70	79	55	55	91	8	3	10

5130863900 - AM-25 M



Metallic anti vibration mount



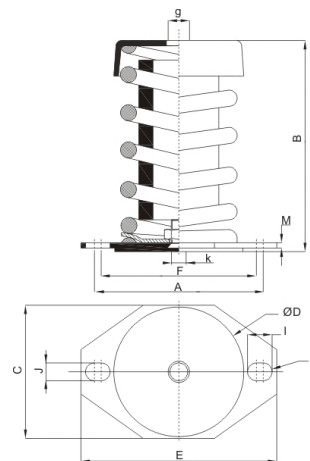
Dimensions

A	B	C	D	E	gM	H	J
70	79	55	55	91	8	3	10

5130964000 - AM-250M



Metallic anti vibration mount



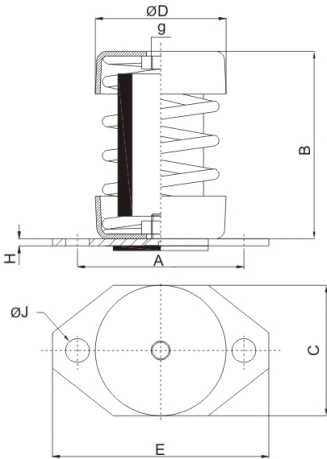
Dimensions

A	B	C	D	E	gM	HR	J	I	kM	M
95	118	75	73	110	12	5	10	14	8	3

5130864000 - AM-50 M



Metallic anti vibration mount

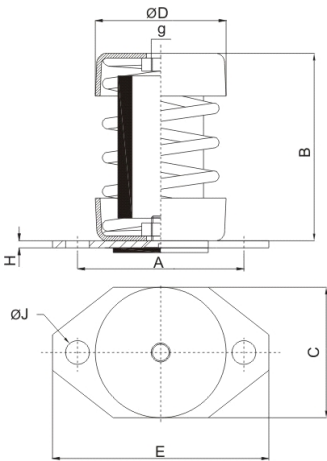


Dimensions							
A	B	C	D	E	gM	H	J
70	79	55	55	91	8	3	10

5130864100 - AM-75 M



Metallic anti vibration mount

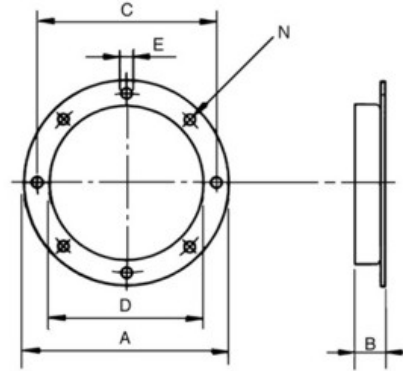


Dimensions							
A	B	C	D	E	gM	H	J
70	79	55	55	91	8	3	10

5138906300 - ARO BRIDA THGT-560 N



CIRCULAR DUCT MATCHING FLANGE

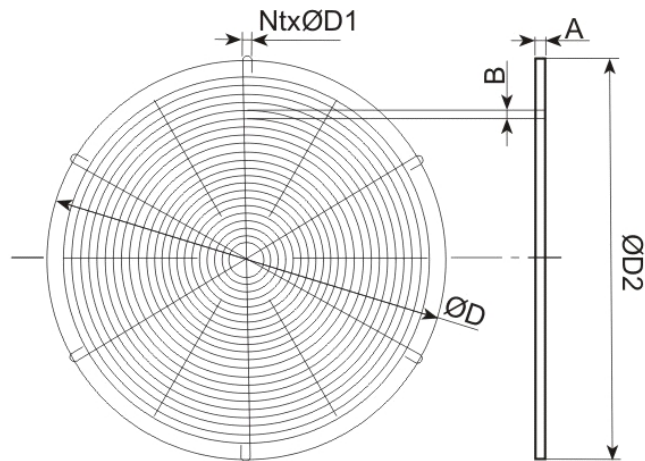


Dimensions

A	B	C	D	E	N
655	55	620	560	12	12

5138836100 - DEF.ASP.THGT-560

WIRE PROTECTION GUARD - INLET -CASED MOUNTED AXIAL FANS

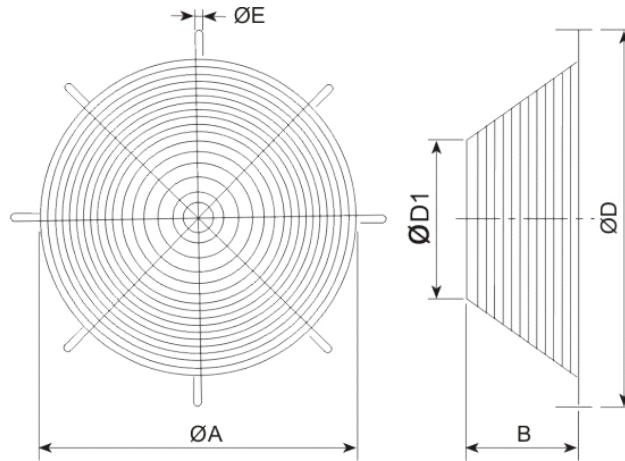


Dimensions

D	D1	D2	Nt	A	B
620	12	560	6	5	10

5120642300 - DEF.DES.THGT-560

WIRE PROTECTION GUARD - OUTLET -CASED MOUNTED AXIAL FANS

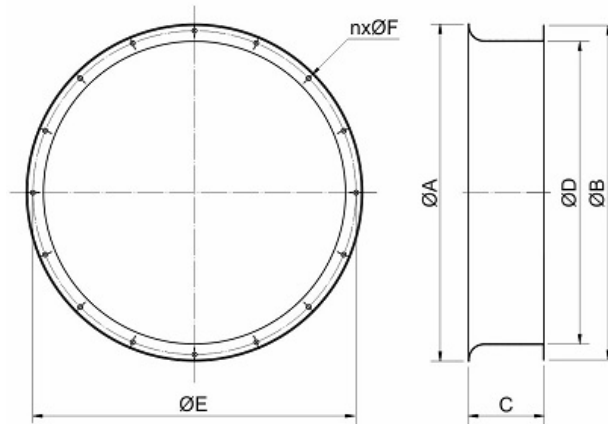


Dimensions

A	B	D1	D	E	N
540	295	510	620	12	6

5120870500 - EMB-560T

Bellmouth protection guard to avoid turbulence at inlet and prevent any contact with the fan impeller.



Dimensions

A	B	C	D	E	F	n
674	620	165	560	664	12	12



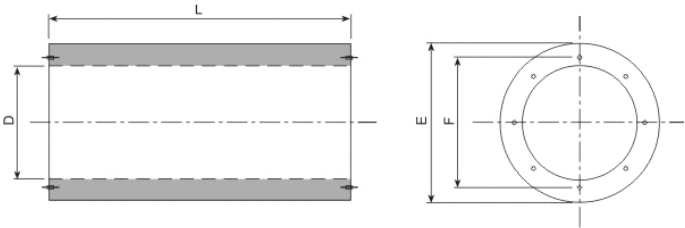
THGT

THGT/2-560-6/18 BLPK 5,5KW (400V50HZ) F300/F200 IE3 V5

5211810900 - SIL CZ 560-10



Casing pre-galvanised sheet steel Z200 of thickness 0,8 mm sizes up to 1250 and 1,2 mm for size 1400. Mounting flange with threaded insert. Acoustic miner wool density 70kg/m3 with erosion resistant facing with M0 fire resistance.



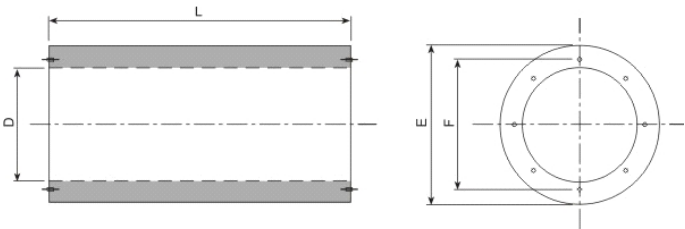
Corrections							
63	125	250	500	1k	2k	4k	8k
-0	-0	-4	-14	-11	-8	-5	-4

Dimensions				
D	E	F	L	No
560	720	620	560	12

5211811000 - SIL CZ 560-15



Casing pre-galvanised sheet steel Z200 of thickness 0,8 mm sizes up to 1250 and 1,2 mm for size 1400. Mounting flange with threaded insert. Acoustic miner wool density 70kg/m3 with erosion resistant facing with M0 fire resistance.



Corrections							
63	125	250	500	1k	2k	4k	8k
-0	-2	-7	-20	-15	-11	-8	-5

Dimensions				
D	E	F	L	No
560	720	620	840	12



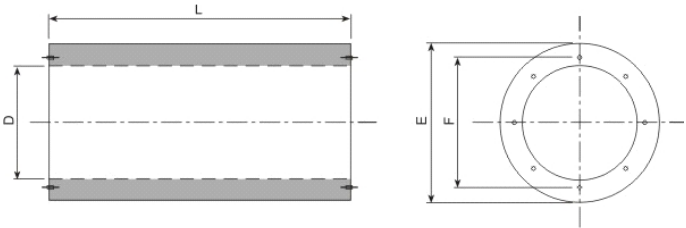
THGT

THGT/2-560-6/18 BLPK 5,5KW (400V50HZ) F300/F200 IE3 V5

5211811100 - SIL CZ 560-20



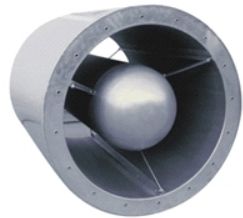
Casing pre-galvanised sheet steel Z200 of thickness 0,8 mm sizes up to 1250 and 1,2 mm for size 1400. Mounting flange with threaded insert. Acoustic miner wool density 70kg/m3 with erosion resistant facing with M0 fire resistance.



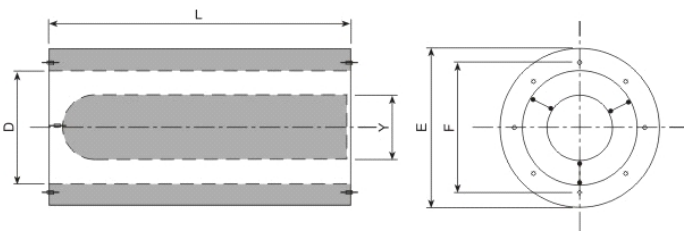
Corrections							
63	125	250	500	1k	2k	4k	8k
-0	-1	-9	-24	-19	-14	-10	-7

Dimensions				
D	E	F	L	No
560	720	620	1120	12

5211814200 - SIL CZO 560-10



As SIL CZ but with internal pod for extra attenuation. On request: Version with stainless steel casing.



Corrections							
63	125	250	500	1k	2k	4k	8k
-0	-1	-6	-15	-21	-17	-11	-8

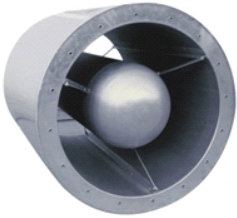
Dimensions					
D	E	F	No	L	Y
560	720	620	12	560	300



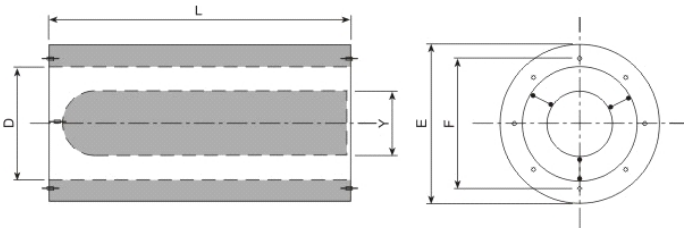
THGT

THGT/2-560-6/18 BLPK 5,5KW (400V50HZ) F300/F200 IE3 V5

5211814300 - SIL CZO 560-15



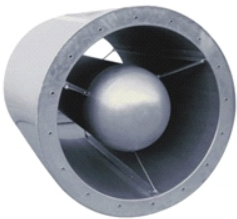
As SIL CZ but with internal pod for extra attenuation. On request: Version with stainless steel casing.



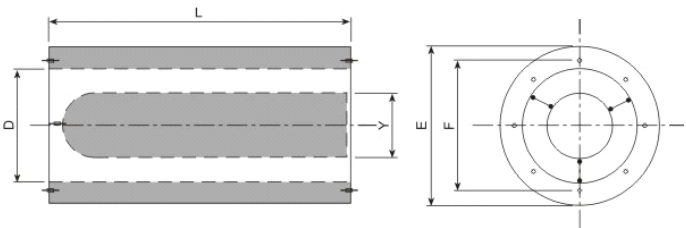
Corrections							
63	125	250	500	1k	2k	4k	8k
-0	-3	-9	-22	-32	-27	-15	-11

Dimensions					
D	E	F	No	L	Y
560	720	620	12	840	300

5211814400 - SIL CZO 560-20



As SIL CZ but with internal pod for extra attenuation. On request: Version with stainless steel casing.



Corrections							
63	125	250	500	1k	2k	4k	8k
-0	-2	-12	-27	-41	-35	-18	-12

Dimensions					
D	E	F	No	L	Y
560	720	620	12	1120	300

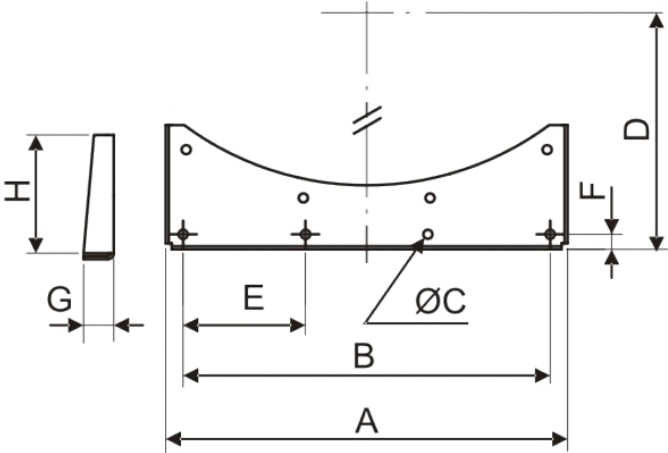


THGT

THGT/2-560-6/18 BLPK 5,5KW (400V50HZ) F300/F200 IE3 V5

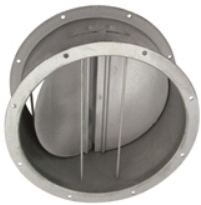
5138902500 - PIE SOP.TGT/THGT-560 V

MOUNTING FEET

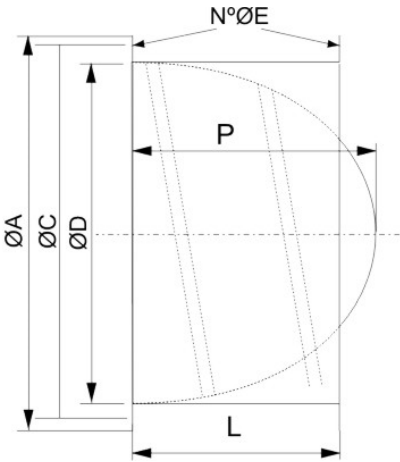


Dimensions							
A	B	C	D	E	F	G	H
523	483	12.5	365	161	20	40	160

5136849200 - CLAR 560



Back draft shutter to be installed within circular ducting to prevent back draft of air when the fans are switched off. It could only be placed in position horizontal airflow.



Dimensions						
A	C	D	E	N	L	P
655	620	560	12	12	250	315

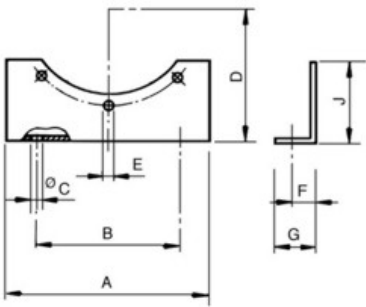


THGT

THGT/2-560-6/18 BLPK 5,5KW (400V50HZ) F300/F200 IE3 V5

5138879100 - PIE SOP.TGT/THGT-560 HRZ INSTL SPRT FEET (PR)

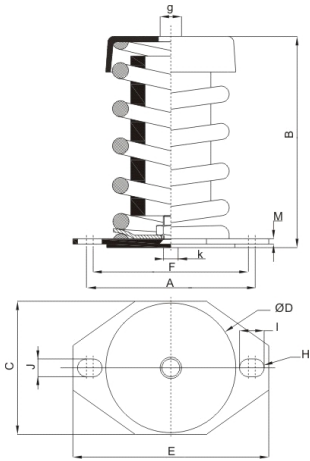
MOUNTING FEET



Dimensions								
A	B	C	D	E	F	G	J	n
475	355	12.5	355	12.5	17	30	155	4

5130864400 - AM-150M

Metallic anti vibration mount

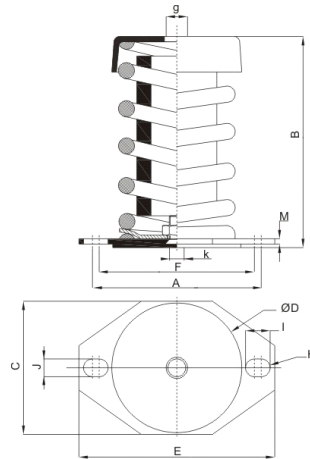


Dimensions										
A	B	C	D	E	gM	HR	J	I	kM	M
95	118	75	73	110	12	5	10	14	8	3

5130983300 - AM-200M



Metallic anti vibration mount



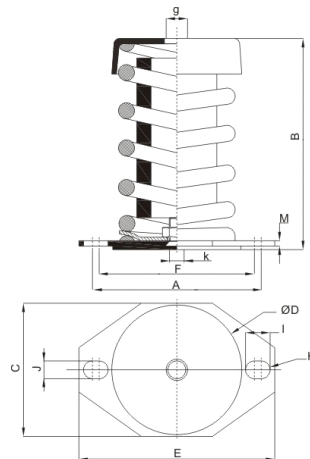
Dimensions

A	B	C	D	E	gM	HR	J	I	kM	M
95	118	75	73	110	12	5	10	14	8	3

5130953500 - AM-350M



Metallic anti vibration mount



Dimensions

A	B	C	D	E	gM	HR	J	I	kM	M
95	118	75	73	110	12	5	10	14	8	3



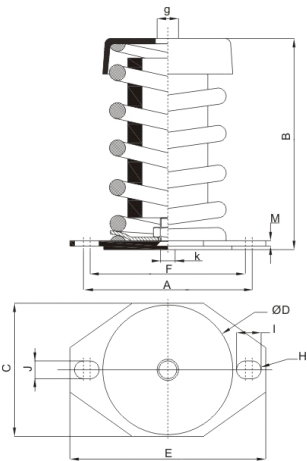
THGT

THGT/2-560-6/18 BLPK 5,5KW (400V50HZ) F300/F200 IE3 V5

5130864600 - AM-450M



Metallic anti vibration mount

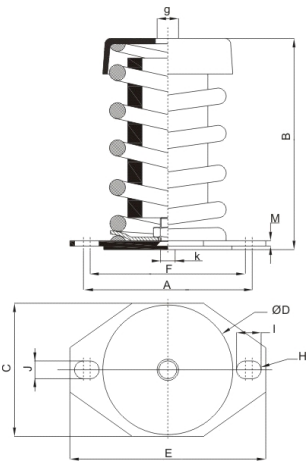


Dimensions										
A	B	C	D	E	gM	HR	J	I	kM	M
95	118	75	73	110	12	5	10	14	8	3

5130864500 - AM-550M



Metallic anti vibration mount



Dimensions										
A	B	C	D	E	gM	HR	J	I	kM	M
95	118	75	73	110	12	5	10	14	8	3



THGT

THGT/2-560-6/18 BLPK 5,5KW (400V50HZ) F300/F200 IE3 V5

ErP Data

Fan type	
Maximum efficiency η [%]	54,8
Installation type	D
Category efficiency	Total
N	N56,4
Variable speed drive	+
Year of manufacture	Product Rating Plate
Input power at optimum efficiency point (kW)	5,644
Airflow at optimum efficiency point [m3/h]	14.390
Pressure at optimum efficiency point [Pa]	771
Correction factor	No
Element supplied with the fan	Instruction manual
Speed at optimum efficiency point	2940
Specific Ratio	1
Manufacturer's Info	S&P
Product code	G52566055U43
Recycling/disposal	Instruction Manual
Maintenance	Instruction Manual
Additional components	Catalogue and according to ISO 5801

Related documentation



Certifications & Declarations of Performance

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