



ADVANCED LINE

Stainless Steel Air Motors
from 20 W / 0.03 Hp up to 1.6 kW / 2.1 Hp

PRODUCT SPECTRUM OVERVIEW: ADVANCED LINE AIR MOTORS

Stainless steel motors with integrated planetary gears

The vane motors of the ADVANCED LINE are particularly compact drive solutions for installation in either handheld machines or industrial systems. These top quality stainless steel motors are suitable for the chemical industry, for the paper industry, the pharmaceutical industry, medical technology and also for use in the food industry.

Performance classes:

20/30 W	Page 4
80/100 W	Page 6
90/120/170 W	Page 8
100/200/280 W	Page 10
130/300/400 W	Page 12
300/600/850 W	Page 20
900/1100 W	Page 22
700/1600/2200 W	Page 32

High torque stainless steel motors

The high torque motors of the ADVANCED LINE are small in size but provide extremely high output. Our high torque motors are also less apt to stall, the stalling torque for e.g. motor type 67X-517 is 600 Nm.

These drive solutions are particularly suitable for use in industrial agitators and mixers as used in the paint industry, food industry or pharmaceutical industry.

Performance classes:

300/400 W	Page 14
600/850 W	Page 24
900/1100 W	Page 26

Stainless steel motors with integrated holding brake

Due to their size and design DEPRAG stainless steel motors with integrated holding brake are the optimal choice for use in any application where reliability plays an important role. The integrated holding brake can either be controlled using a separate control lead or via the motor exhaust. If pressure falls the brakes are automatically activated.

The big plus: This innovative complete system is also available with ATEX certification!

Performance classes:

300 W	Page 16
100/130/200/300 W	Page 18
300/600/900 W	Page 28
600/900 W	Page 30
700/1600 W	Page 34

ATEX SPECIFICATION

A =	CE	 II 2G Ex h IIC T6 Gb X  II 2D Ex h IIIC T80 °C Db X
B =	CE	 II 2G Ex h IIC T5 Gb X  II 2D Ex h IIIC T95 °C Db X
C =	CE	 II 2G Ex h IIC T4 Gb X  II 2D Ex h IIIC T130 °C Db X
D =	CE	 II 2G Ex h IIC T3 Gb X  II 2D Ex h IIIC T195 °C Db X

ADVANTAGES OF ADVANCED LINE AIR MOTORS

- **Non corrosive**
- **Sterilisable**
- **ATEX conform**
- **Compact**
- **Oil-free**
- **Insensitive to cleaning solvents**
- **Sealed**



The ADVANCED LINE air motors are particularly suitable for use in the food industry, medical technology, underwater applications and the chemical industry. All airmotors can also be used without lubrication.

All external parts (housing and spindle) of our ADVANCED LINE series are made from high quality non corrosive steel. Our air motors are also available in an ATEX conform complete system with integrated holding brakes.

In addition our modular principle enables us to offer low cost customisations for your specific application!

High torque motors made from stainless steel - small in size but extremely high torque:

Our ADVANCED LINE pneumatic motors are also available as high torque motors made from stainless steel. The ideal drive solution for e.g. agitators and industrial mixers.

LONG LIFE-SPAN

A wide product range of stainless steel motors, the use of DEPRAG high performance vanes as well as a specific surface coating on our materials all this ensures your motor's long life-span.



SHORT DELIVERY TIMES

Due to our large amount of in-house production we are able to deliver quickly and flexibly at short notice, even when dealing with smaller quantities.

Airmotor - gear box - valve: a stainless steel system for the paper industry, sealed stainless steel motors, high performance vanes

APPLICATION CONSULTANCY

Our application engineers will gladly advise you in the selection of the most suitable drive for your application. If you would like to test or replace your existing drive we can check it for you in our innovative performance testing facility.



Large amount of in-house production, on-site salt bath heat treatment facility

WIDE VARIETY AND COMPREHENSIVE RANGE OF ACCESSORIES

Our standard programme is distinguished by its wide variety. All our stainless steel motors are also available with threaded spindle. Additionally due to our modular principle we are able to offer numerous variations to choose from.

Do not hesitate to contact us if you have a specific mounting fixture request.



Performance testing facility, professional guidance from our engineers

20/30 W ADVANCED LINE AIR MOTOR

Motor size 0		reversible				
Series 67X- ATEX conform		Type Part no.	67X-010 306700B	67X-020 306700C	67X-030 306700D	67X-040 306700E
ATEX specification			C	C	A	A
Nominal power		W / HP	20 / 0.03	20 / 0.03	20 / 0.03	20 / 0.03
Nominal speed		rpm	3000	2500	650	475
Speed (idling)		rpm	6000	5000	1300	950
Nominal torque		Nm / in.lbs	0.06 / 0.5	0.08 / 0.7	0.29 / 2.6	0.4 / 3.5
Start torque min.		Nm / in.lbs	0.09 / 0.8	0.12 / 1	0.44 / 3.9	0.6 / 5.3
Stall torque		Nm / in.lbs	0.12 / 1	0.15 / 1.33	0.55 / 4.87	0.75 / 6.64
Air consumption		m ³ /min / cfm	0.1 / 3	0.1 / 3	0.1 / 3	0.1 / 3
Weight		kg / lbs	0.16 / 0.3	0.16 / 0.3	0.16 / 0.3	0.16 / 0.3
Hose I.D., supply air/exhaust air		mm / in.	3 / 1/8	3 / 1/8	3 / 1/8	3 / 1/8

Included in delivery:

2 Slide connectors (M 5)

Motor size 0		right rotation				
Series 67X- ATEX conform		Type Part no.	67X-010R 3067000B	67X-020R 3067000C	67X-030R 3067000D	67X-040R 3067000E
ATEX specification			C	C	A	A
Nominal power		W / HP	30/0.04	30/0.04	30/0.04	30/0.04
Nominal speed		rpm	3000	2500	650	500
Speed (idling)		rpm	6000	5000	1300	1000
Nominal torque		Nm / in.lbs	0.1/0.885	0.11/0.97	0.44/3.89	0.57/5.04
Start torque min.		Nm / in.lbs	0.12/1.06	0.17/1.5	0.66/5.84	0.86/7.61
Stall torque		Nm / in.lbs	0.18/1.59	0.22/1.95	0.84/7.43	1.09/9.65
Air consumption		m ³ /min / cfm	0.1/3.53	0.1/3.53	0.1/3.53	0.1/3.53
Weight		kg / lbs	0.13/0.29	0.13/0.29	0.13/0.29	0.13/0.29
Hose I.D., supply air/exhaust air		mm / in.	3 / 1/8	3 / 1/8	3 / 1/8	3 / 1/8

Included in delivery:

1 Slide connector (M 5)

Performance data relate to an air pressure of 6 bar (85 PSI) and lubricated air. With oil-free operation the output will be reduced by 10 - 20%.

Please note that these motor gears are not stall-proof. If a higher application-based torque cannot be limited by the customer (e.g. by use of a slip clutch), please contact our application specialists to discuss an alternative solution.

Optional Equipment		for Motor size 0	
Flange incl. mounting screws	Part no.	4451872	
Silencer: motor is reversible (right and left rotation)			
1 Silencer	Part no.	129588A	
Maintenance unit with lubricator*	Part no.	820454A	
Connection thread		G 1/4	
Maintenance unit without lubricator*	Part no.	822408A	
Connection thread		G 1/4	
Replacement part set consisting of: vanes, sealant rings, o-rings and silencers			
	Part no.	446083B	

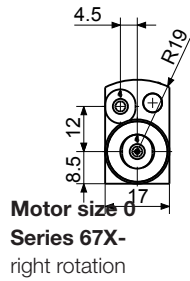
*) Maintenance unit consists of pressure regulator valve, filter and optionally with or without lubricator

Of course you can also purchase individual replacement parts from us. Please contact us if this is a requirement. Our standard maintenance units are not ATEX conform. Please contact us if this is a requirement

Allowable shaft loading see page 36.

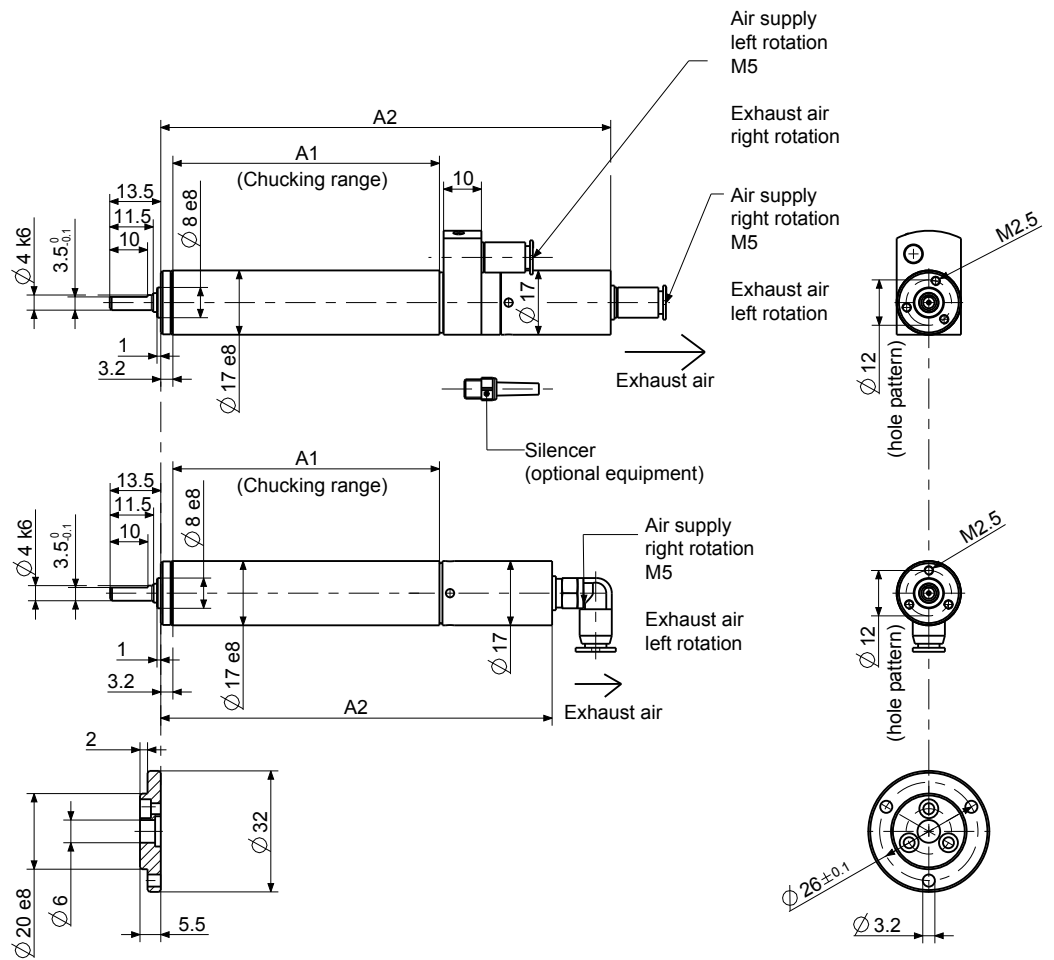
Further notes for soundproofing see page 36/37.

Motor size 0
Series 67X-
 reversible, right rotation



Flange
 (optional equipment)

Dimensions in mm



p4400563

Motor size	Series 67X- Type		Dimensions of motor (mm)	
			A1	A2
0	67X-010	67X-020	64.5	112.9
	67X-030	67X-040	70.5	119
	67X-010R	67X-020R	64.5	97.4
	67X-030R	67X-040R	70.5	103.5

80/100 W ADVANCED LINE AIR MOTOR

Motor size 1

reversible

Series 67X-ATEX conform	 Type	67X-001	67X-011	67X-021	67X-031	67X-061	67X-081	67X-331	67X-551	67X-581
	Part no.	306710A	306710B	306710C	306710D	306710H	306710E	306710G	306710F	306710I
ATEX specification		A	C	C	A	A	A	A	A	A
Nominal power	W/HP	80/0.11	80/0.11	80/0.11	80/0.11	80/0.11	80/0.11	80/0.11	80/0.11	80/0.11
Nominal speed	rpm	14500	3500	950	650	2)	2)	2)	2)	2)
Speed (idling)	rpm	29000	7000	1900	1300	490	240	60	30	8
Nominal torque	Nm/in.lbs	0.05/0.44	0.22/1.9	0.8/7	1.2/11	2/17.7 1)	2/17.7 1)	2/17.7 1)	2/17.7 1)	2/17.7 1)
Start torque min.	Nm/in.lbs	0.08/0.71	0.33/2.9	1.2/11	1.8/16	2/17.7 1)	2/17.7 1)	2/17.7 1)	2/17.7 1)	2/17.7 1)
Stall torque	Nm/in.lbs	0.10/0.89	0.41/3.63	1.5/13.28	2/17.7 1)	2/17.7 1)	2/17.7 1)	2/17.7 1)	2/17.7 1)	2/17.7 1)
Max. admissible torque	Nm/in.lbs	-	-	-	2/17.7	2/17.7	2/17.7	2/17.7	2/17.7	2/17.7
Air consumption	m ³ /min/cfm	0.23/8	0.23/8	0.23/8	0.23/8	0.23/8	0.23/8	0.23/8	0.23/8	0.23/8
Length A2	mm/in.	96.5/3.76	96.5/3.76	105.5/4.1	105.5/4.1	113.5/4.4	113.5/4.4	122.5/4.78	122.5/4.78	130.5/5.09
Length A1	mm/in.	85/3.3	85/3.3	94/3.67	94/3.67	102/3.978	102/3.978	111/4.329	111/4.329	118,75/4.63
Weight	kg/lbs	0.2/0.4	0.2/0.4	0.22/0.5	0.22/0.5	0.29/0.6	0.29/0.6	0.31/0.68	0.31/0.68	0.33/0.73
Hose I.D., supply										
air/exhaust air	mm/in.	4/5/32	4/5/32	4/5/32	4/5/32	4/5/32	4/5/32	4/5/32	4/5/32	4/5/32

Motor size 1

right rotation

Series 67X-ATEX conform	 Type	67X-001R	67X-011R	67X-021R
	Part no.	3067100A	3067100B	3067100C
ATEX specification		A	C	C
Nominal power	W/HP	100/0.134	100/0.134	100/0.134
Nominal speed	rpm	15500	4300	1200
Speed (idling)	rpm	31000	8600	2400
Nominal torque	Nm/in.lbs	0.06/0.53	0.22/1.9	0.8/7
Start torque min.	Nm/in.lbs	0.09/0.8	0.33/2.9	1.2/11
Stall torque	Nm/in.lbs	0.11/0.97	0.41/3.63	1.5/13.28
Max. admissible torque	Nm/in.lbs	-	-	-
Air consumption	m ³ /min/cfm	0.23/8	0.23/8	0.23/8
Length A2	mm/in.	96.5/3.76	96.5/3.76	105.5/4.1
Length A1	mm/in.	85/3.3	85/3.3	94/3.67
Weight	kg/lbs	0.2/0.4	0.2/0.4	0.22/0.5
Hose I.D., supply				
air/exhaust air	mm/in.	4/5/32	4/5/32	4/5/32

Included in delivery:

Slide connectors (M8 x 0.75)

Performance data relate to an air pressure of 6 bar (85 PSI) and lubricated air.

With oil-free operation the output will be reduced by 10 - 20%.

- 1) Please take note of the maximum permissible torque for the gear. Please note that these motor gears are not stall-proof. If a higher application-based torque cannot be limited by the customer (e.g. by use of a slip clutch), please contact our application specialists to discuss an alternative solution.
- 2) At the maximum permissible torque of the gear, operating speed is adjusted to the region of the idle speed. This operating speed can be reduced to up to 25 % of the indicated idle speed by reducing pressure and additional exhaust air throttling. For operation at very low speeds in relation to the idle speed, we recommend the use of spring-assisted vanes (Z vanes).

Optional Equipment

for motor size 1

Flange incl. mounting screws	Part no.	4451812
Bracket incl. mounting screws	Part no.	4451802
Silencer	Part no.	117968A
Maintenance unit with lubricator*	Part no.	820454A
Connection thread		G 1/4
Maintenance unit without lubricator*	Part no.	822408A
Connection thread		G 1/4
Replacement part set consisting of: vanes, sealant rings, o-rings and silencers	Part no.	446084B / for part no. 306710(0)A 446084C / for part no. 306710(0)B,C

* Maintenance unit consists of pressure regulator valve, filter and optionally with or without lubricator

Of course you can also purchase individual replacement parts from us. Please contact us if this is a requirement. Our standard maintenance units are not ATEX conform. Please contact us if this is a requirement

Allowable shaft loading see page 36.

Further notes for soundproofing see page 36/37.

Series 67X-



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90/120/170 W ADVANCED LINE AIR MOTOR

Motor size 2		reversible							
Series 67X- ATEX conform		Type Part no.	67X-002 306720A	67X-012 306720H	67X-022 306720B	67X-032 306720C	67X-042 306720D	67X-052 306720E	67X-2521 306720F
ATEX specification			A	C	C	C	A	A	A
Series 67X- ATEX conform		Type Part no.	67X-002G 3067207A	67X-012G 3067207H	67X-022G 3067207B	67X-032G 3067207C	67X-042G 3067207D	67X-052G 3067207E	67X-2521G 3067207F
ATEX specification			A	C	C	C	A	A	A
Nominal power	W / HP		120 / 0.16	120 / 0.16	120 / 0.16	120 / 0.16	120 / 0.16	120 / 0.16	90 / 0.12 ³⁾
Nominal speed	rpm		11000	2750	1800	700	450	300	²⁾
Speed (idling)	rpm		22000	5500	3600	1400	900	600	100
Nominal torque	Nm / in.lbs		0.10 / 0.9	0.4 / 3.5	0.6 / 5.3	1.6 / 14	2.5 / 22	3.8 / 34	5/44 ¹⁾
Start torque min.	Nm / in.lbs		0.15 / 1.3	0.6 / 5.3	0.9 / 8	2.4 / 21	3.8 / 34	5/44 ¹⁾	5/44 ¹⁾
Stall torque	Nm / in.lbs		0.19 / 1.68	0.76 / 6.73	1.14 / 10.09	3 / 26.55	4.7 / 41.6	5/44 ¹⁾	5/44 ¹⁾
Max. admissible torque	Nm / in.lbs		-	-	-	-	-	5 / 44	5 / 44
Air consumption	m ³ /min / cfm		0.3 / 11	0.3 / 11	0.3 / 11	0.3 / 11	0.3 / 11	0.3 / 11	0.3 / 11
Weight	kg / lbs		0.35 / 0.8	0.35 / 0.8	0.35 / 0.8	0.4 / 0.9	0.4 / 0.9	0.4 / 0.9	0.45 / 1
Hose I.D., supply air/exhaust air	mm / in.		6 / ¼	6 / ¼	6 / ¼	6 / ¼	6 / ¼	6 / ¼	6 / ¼
Motor size 2		right rotation							
Series 67X- ATEX conform		Type Part no.	67X-002R 3067200A	67X-012R 3067200H	67X-022R 3067200B	67X-032R 3067200C	67X-042R 3067200D	67X-052R 3067200E	
ATEX specification			A	D	C	C	C	A	
Nominal power	W / HP		170 / 0.23	170 / 0.23	170 / 0.23	170 / 0.23	170 / 0.23	170 / 0.23	
Nominal speed	rpm		12250	3075	2050	750	500	340	
Speed (idling)	rpm		24500	6150	4100	1500	1000	680	
Nominal torque	Nm / in.lbs		0.13 / 1.15	0.5 / 4.42	0.8 / 7.08	2.1 / 18.6	3.2 / 28.3	4.8 / 42.5	
Start torque min.	Nm / in.lbs		0.2 / 1.77	0.8 / 7.08	1.2 / 10.62	3.2 / 28.3	4.8 / 42.5	5/44 ¹⁾	
Stall torque	Nm / in.lbs		0.25 / 2.2	1 / 8.85	1.5 / 13.3	4.1 / 36.3	5/44 ¹⁾	5/44 ¹⁾	
Max. admissible torque	Nm / in.lbs		-	-	-	-	5 / 44	5 / 44	
Air consumption	m ³ /min / cfm		0.3 / 11	0.3 / 11	0.3 / 11	0.3 / 11	0.3 / 11	0.3 / 11	
Weight	kg / lbs		0.35 / 0.8	0.35 / 0.8	0.35 / 0.8	0.4 / 0.9	0.4 / 0.9	0.4 / 0.9	
Hose I.D., supply air/exhaust air	mm / in.		6 / ¼	6 / ¼	6 / ¼	6 / ¼	6 / ¼	6 / ¼	

Performance data relate to an air pressure of 6 bar (85 PSI) and lubricated air. With oil-free operation the output will be reduced by 10 - 20%.

³⁾ theoretical values for issuing the power diagram

¹⁾ Please take note of the maximum permissible torque for the gear. Please note that these motor gears are not stall-proof. If a higher application-based torque cannot be limited by the customer (e.g. by use of a slip clutch), please contact our application specialists to discuss an alternative solution.

²⁾ At the maximum permissible torque of the gear, operating speed is adjusted to the region of the idle speed. This operating speed can be reduced to up to 25 % of the indicated idle speed by reducing pressure and additional exhaust air throttling. For operation at very low speeds in relation to the idle speed, we recommend the use of spring-assisted vanes (Z vanes).

Optional Equipment		for motor size 2	
Flange incl. mounting screws	Part no.	4445694	
Bracket incl. mounting screws	Part no.	4445722	
Silencer: motor operates in one direction (right or left rotation)			
1 Hose nozzle	Part no.	823237	
1 Silencer	Part no.	129596A	
Silencer: motor is reversible (right and left rotation)			
2 Hose nozzles	Part no.	823237	
1 Silencer	Part no.	129596B	
Maintenance unit with lubricator*	Part no.	820454A	
Connection thread		G 1/4	
Maintenance unit without lubricator*	Part no.	822408A	
Connection thread		G 1/4	
Replacement part set consisting of: vanes, sealant rings, o-rings and silencers		445580C / for part no. 306720(0)A 445580A / for part no. 306720(0)B-H	

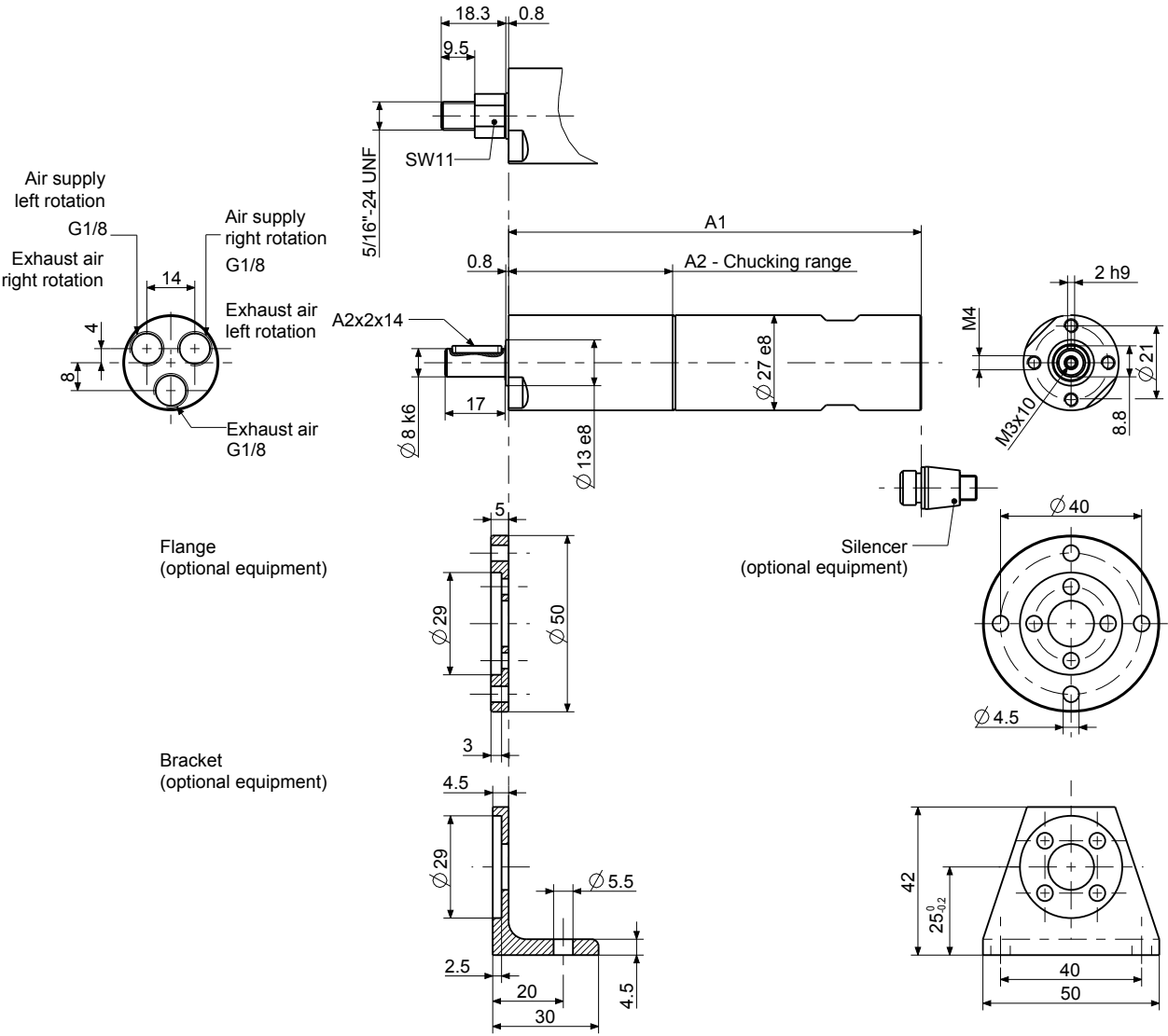
*) Maintenance unit consists of pressure regulator valve, filter and optionally with or without lubricator

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Allowable shaft loading see page 36.

Further notes for soundproofing see page 36/37.

Motor size 2
Series 67X-
 reversible and right rotation



Dimensions in mm

p4402205

Motor size	Series 67X- Type			Dimensions of motor (mm)	
				A1	A2
2	67X-002(G,R)	67X-012(G,R)	67X-022(G,R)	117	46.5
	67X-032(G,R)	67X-042(G,R)	67X-052(G,R)	129.5	59
	67X-2521(G)			142	71.5

100/200/280 W ADVANCED LINE AIR MOTOR

Motor size 2.5			reversible							
Series 67X- ATEX conform		Type Part no.	67X-0025 306725B	67X-0125 306725C	67X-0225 306725D	67X-0725 306725F	67X-0325 306725E	67X-0425 306725A	67X-04251 306725G	67X-24251 306725H
ATEX specification			A	C	C	C	A	A	A	A
Series 67X- with threaded shaft ATEX conform		Type Part no.	67X-0025G 3067257B	67X-0125G 3067257C	67X-0225G 3067257D	67X-0725G 3067257F	67X-0325G 3067257E	67X-0425G 3067257A	67X-04251G 3067257G	67X-24251G 3067257H
ATEX specification			A	C	C	C	A	A	A	A
Nominal power	W / HP		200 / 0.27	200 / 0.27	200 / 0.27	200 / 0.27	200 / 0.27	200 / 0.27	100 / 0.13	200 / 0.27
Nominal speed	rpm		8000	2300	1200	700	350	180	90	2)
Speed (idling)	rpm		16000	4600	2400	1400	700	360	180	50
Nominal torque	Nm / in.lbs		0.24/2.12	0.8/7.08	1.6/14.16	2.7/23.9	5.4/47.8	10.6/93.81	10.5/92.9	20/177 1)
Start torque min.	Nm / in.lbs		0.35/3.1	1.2/10.62	2.4/21.24	4.1/36.3	8.2/72.6	15.9/140.7	15/132.75	20/177 1)
Stall torque	Nm / in.lbs		0.45/3.98	1.5/13.3	3/26.6	5.1/45.1	10.3/91.2	20/177 1)	20/177 1)	20/177 1)
Max. admissible torque	Nm / in.lbs		-	-	-	-	-	20/177	20/177	20/177
Air consumption	m ³ /min / cfm		0.37/13.06	0.37/13.06	0.37/13.06	0.37/13.06	0.37/13.06	0.37/13.06	0.27/9.53	0.37/13.06
Weight	kg / lbs		0.7/1.54	0.75/1.65	0.75/1.65	0.85/1.87	0.85/1.87	0.85/1.87	0.85/1.87	0.95/2.09
Hose I.D., supply air/exhaust air	mm /in.		10 / 3/8	10 / 3/8	10 / 3/8	10 / 3/8	10 / 3/8	10 / 3/8	10 / 3/8	10 / 3/8
Motor size 2.5			right rotation							
Series 67X- ATEX conform		Type Part no.	67X-0025R 3067250B	67X-0125R 3067250C	67X-0225R 3067250D	67X-0725R 3067250F	67X-0325R 3067250E	67X-0425R 3067250A		
ATEX specification			A	C	C	C	A	A		
Nominal power	W / HP		280 / 0.38	280 / 0.38	280 / 0.38	280 / 0.38	280 / 0.38	280 / 0.38		
Nominal speed	rpm		9000	2600	1350	750	395	200		
Speed (idling)	rpm		18000	5200	2700	1500	790	400		
Nominal torque	Nm / in.lbs		0.3 / 2.65	1.03 / 9.11	1.98 / 17.5	3.55 / 31.4	6.77 / 59.9	13.37/118.3		
Start torque min.	Nm / in.lbs		0.45 / 3.98	1.5 / 13.3	2.9 / 25.7	5.3 / 46.9	10.1 / 89.4	20 / 177		
Stall torque	Nm / in.lbs		0.55 / 4.9	1.95 / 17.3	3.7 / 32.7	6.7 / 59.3	12.8 / 113.3	20/177 1)		
Max. admissible torque	Nm / in.lbs		-	-	-	-	-	20/177		
Air consumption	m ³ /min / cfm		0.4/14.12	0.4/14.12	0.4/14.12	0.4/14.12	0.4/14.12	0.4/14.12		
Weight	kg / lbs		0.7/1.54	0.75/1.65	0.75/1.65	0.85/1.87	0.85/1.87	0.85/1.87		
Hose I.D., supply air/exhaust air	mm /in.		10 / 3/8	10 / 3/8	10 / 3/8	10 / 3/8	10 / 3/8	10 / 3/8		

Performance data relate to an air pressure of 6 bar (85 PSI) and lubricated air. With oil-free operation the output will be reduced by 10 - 20%.

1) Please take note of the maximum permissible torque for the gear. Please note that these motor gears are not stall-proof. If a higher application-based torque cannot be limited by the customer (e.g. by use of a slip clutch), please contact our application specialists to discuss an alternative solution.

2) At the maximum permissible torque of the gear, operating speed is adjusted to the region of the idle speed. This operating speed can be reduced to up to 25 % of the indicated idle speed by reducing pressure and additional exhaust air throttling. For operation at very low speeds in relation to the idle speed, we recommend the use of spring-assisted vanes (Z vanes).

Optional Equipment

for motor size 2.5

Flange incl. mounting screws	Part no.	4445305
Bracket incl. mounting screws	Part no.	4445393
Silencer: motor operates in one direction (right or left rotation)		
1 Hose nozzle	Part no.	823238 (1/8")
1 Silencer	Part no.	129601A (G1/8 / G1/4)
Silencer: motor is reversible (right or left rotation)		
2 Hose nozzles	Part no.	823238 (1/8")
1 Silencer	Part no.	129601B (G1/4)
Maintenance unit with lubricator*	Part no.	820454A
Connection thread		G 1/4
Maintenance unit without lubricator*	Part no.	822408A
Connection thread		G 1/4
Replacement part set consisting of: vanes, sealant rings, o-rings and silencers	Part no.	444785A / for part no. 306725(0)A, C-H 444785E / for part no. 306725(0)B

*) Maintenance unit consists of pressure regulator valve, filter and optionally with or without lubricator

Of course you can also purchase individual replacement parts from us. Please contact us if this is a requirement. Our standard maintenance units are not ATEX conform. Please contact us if this is a requirement

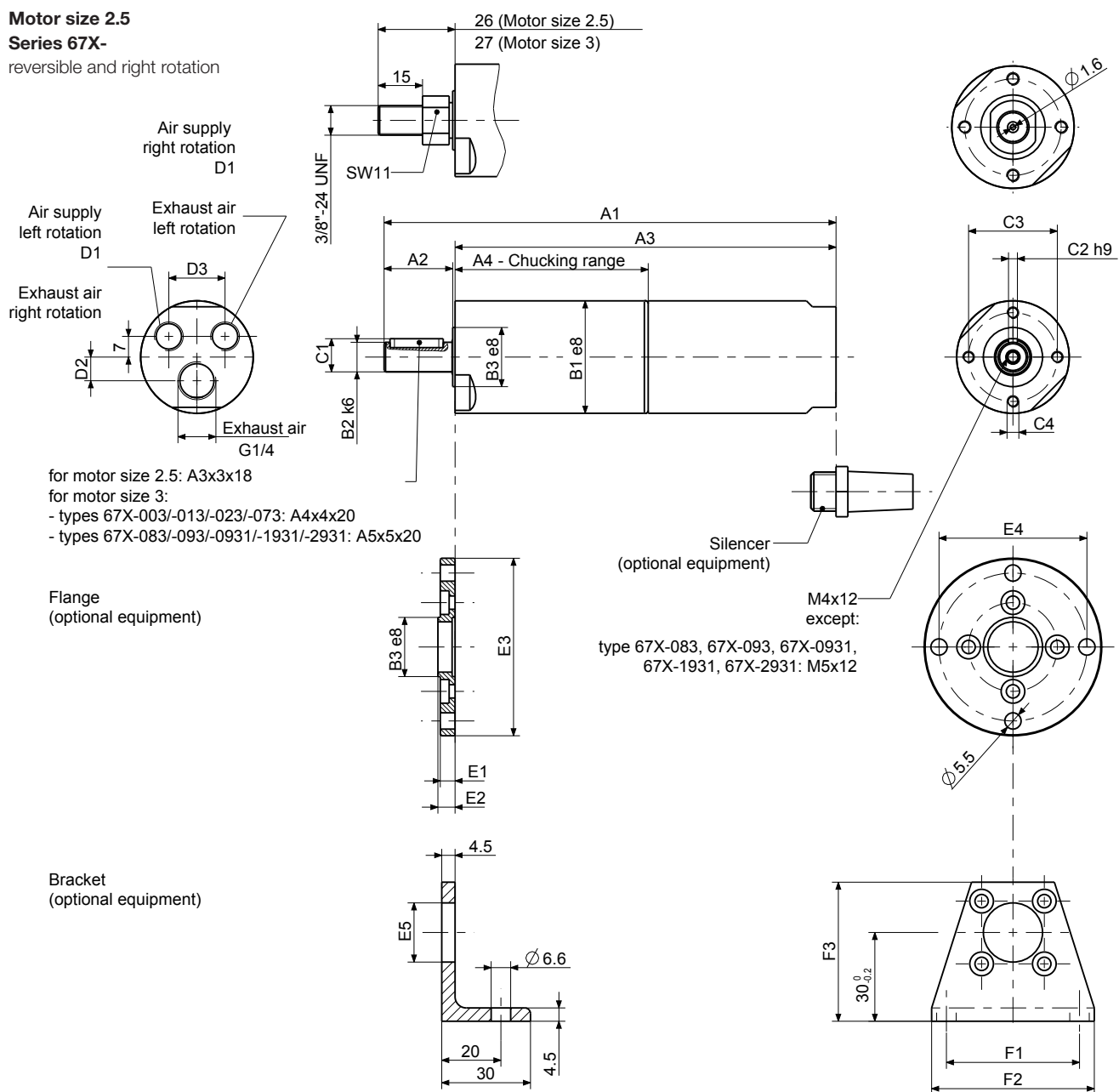
Allowable shaft loading see page 36.

Further notes for soundproofing see page 36/37.

Motor size 2.5

Series 67X-

reversible and right rotation



Dimensions in mm

p4402777

Motor size	Series 67X-				Dimensions of motor (mm)													
	Type				A1	A2	A3	A4	B1	B2	B3	C1	C2	C3	C4	D1	D2	D3
2.5	67X-0025(G,R)	67X-0125(G,R)	67X-0225(G,R)		152.5		128.5	65										
	67X-0725(G,R)	67X-0325(G,R)	67X-0425(G,R)	67X-04251(G)	168.8	23	144.8	81.3	38	10	20	11.2	3	30	M4	G ¹ /8	8	19
	67X-24251(G)				184.5		160.5	97										
Motor size	Series 67X-				Dimensions of flange (mm)						Dimensions of bracket (mm)							
	Type				B3	E1	E2	E3	E4	E5	F1	F2	F3					
2.5	67X-0025(G,R)	67X-0125(G,R)	67X-0225(G,R)	67X-0325(G,R)	20	5	5.8	60	50	17	45	55	47					
	67X-0725(G,R)	67X-0425(G,R)	67X-04251(G)	67X-24251(G)														

130/300/400 W ADVANCED LINE AIR MOTOR

Motor size 3			reversible								
Series 67X- ATEX conform		Type Part no.	67X-003 306730A	67X-013 306730B	67X-023 306730C	67X-073 306730D	67X-083 306730E	67X-093 306730F	67X-0931 306730G	67X-1931 306730K	67X-2931 306730H
ATEX specification			A	D	C	C	A	A	A	A	A
Series 67X- with threaded shaft ATEX conform		Type Part no.	67X-003G 3067307A	67X-013G 3067307B	67X-023G 3067307C	67X-073G 3067307D	67X-083G 3067307E	67X-093G 3067307F	67X-0931G 3067307G	67X-1931G 3067307K	67X-2931G 3067307H
ATEX specification			A	D	C	C	A	A	A	A	A
Nominal power	W / HP		300 / 0.4	300 / 0.4	300 / 0.4	300 / 0.4	300 / 0.4	300 / 0.4	130 / 0.17	300 / 0.4	300 / 0.4
Nominal speed	rpm		7250	2300	1200	615	350	180	90	2)	2)
Speed (idling)	rpm		14500	4600	2400	1230	700	360	180	100	50
Nominal torque	Nm / in.lbs		0.4/3.54	1.2/10.62	2.4/21.24	4.65/41.15	8.15/72.13	15.9/140.7	13.8/122.13	36/318.6 ¹⁾	36/318.6 ¹⁾
Start torque min.	Nm / in.lbs		0.6/5.31	1.9/16.8	3.6/31.9	6.95/61.5	12.25/108.4	23.8/210.6	21/185.85	36/318.6 ¹⁾	36/318.6 ¹⁾
Stall torque	Nm / in.lbs		0.76/6.7	2.2/19.5	4.5/39.8	8.8/77.88	15.5/137.2	30.2/267.3	26.2/231.9	36/318.6 ¹⁾	36/318.6 ¹⁾
Max. admissible torque	Nm / in.lbs		-	-	-	-	-	-	-	36/318.6	36/318.6
Air consumption	m ³ /min / cfm		0.47/16.6	0.47/16.6	0.47/16.6	0.47/16.6	0.47/16.6	0.47/16.6	0.28/9.88	0.47/16.6	0.47/16.6
Weight	kg / lbs		1.0/2.2	1.05/2.31	1.05/2.31	1.10/2.42	1.15/2.53	1.15/2.53	1.15/2.53	1.25/2.75	1.25/2.75
Hose I.D., supply air/exhaust air	mm / in.		10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈
Motor size 3			right rotation								
Series 67X- ATEX conform		Type Part no.	67X-003R 3067300A	67X-013R 3067300B	67X-023R 3067300C	67X-073R 3067300D	67X-083R 3067300E	67X-093R 3067300F			
ATEX specification			A	D	C	C	A	A			
Series 67X- with threaded shaft ATEX conform		Type Part no.	67X-003GR 30673014A	67X-013GR 30673014B	67X-023GR 30673014C	67X-073GR 30673014D	67X-083GR 30673014E	67X-093GR 30673014F			
ATEX specification			A	D	C	C	A	A			
Nominal power	W / HP		400/0.54	400/0.54	400/0.54	400/0.54	400/0.54	400/0.54			
Nominal speed	rpm		8800	2550	1300	745	425	220			
Speed (idling)	rpm		17600	5100	2600	1490	850	440			
Nominal torque	Nm / in.lbs		0.43/3.8	1.5/13.3	2.9/18.6	5.1/45.1	9/79.65	17.4/154			
Start torque min.	Nm / in.lbs		0.65/5.75	2.2/19.5	4.4/38.9	7.65/67.7	13.4/118.6	26/230.1			
Stall torque	Nm / in.lbs		0.82/7.3	2.8/24.8	5.5/48.7	9.7/85.8	17/150.45	33/292.05			
Max. admissible torque	Nm / in.lbs		-	-	-	-	-	-			
Air consumption	m ³ /min / cfm		0.5/17.65	0.5/17.65	0.5/17.65	0.5/17.65	0.5/17.65	0.5/17.65			
Weight	kg / lbs		1.0/2.2	1.05/2.31	1.05/2.31	1.10/2.42	1.15/2.53	1.15/2.53			
Hose I.D., supply air/exhaust air	mm / in.		10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈			

Performance data relate to an air pressure of 6 bar (85 PSI) and lubricated air. With oil-free operation the output will be reduced by 10 - 20%.

- Please take note of the maximum permissible torque for the gear. Please note that these motor gears are not stall-proof. If a higher application-based torque cannot be limited by the customer (e.g. by use of a slip clutch), please contact our application specialists to discuss an alternative solution.
- At the maximum permissible torque of the gear, operating speed is adjusted to the region of the idle speed. This operating speed can be reduced to up to 25 % of the indicated idle speed by reducing pressure and additional exhaust air throttling. For operation at very low speeds in relation to the idle speed, we recommend the use of spring-assisted vanes (Z vanes).

Optional Equipment		for motor size 3
Flange incl. mounting screws	Part no.	4446105
Bracket incl. mounting screws	Part no.	4446112
Silencer: motor operates in one direction		
(right or left rotation)		
1 Hose nozzle	Part no.	410541 (1/4")
1 Silencer	Part no.	129602A (2xG1/4)
Silencer: motor is reversible		
(right or left rotation)		
2 Hose nozzles	Part no.	410541 (1/4")
1 Silencer	Part no.	129601B (G1/4)
Maintenance unit with lubricator*	Part no.	820455A
Connection thread		G 1/2
Maintenance unit without lubricator*	Part no.	822409A
Connection thread		G 1/2
Replacement part set		
consisting of:		444786A / for part no. 306730(0)B-K
vanes, sealant rings, o-rings and silencers	Part no.	444786L / for part no. 306730(0)A

*) Maintenance unit consists of pressure regulator valve, filter and optionally with or without lubricator

Of course you can also purchase individual replacement parts from us. Please contact us if this is a requirement. Our standard maintenance units are not ATEX conform. Please contact us if this is a requirement

Allowable shaft loading see page 36.

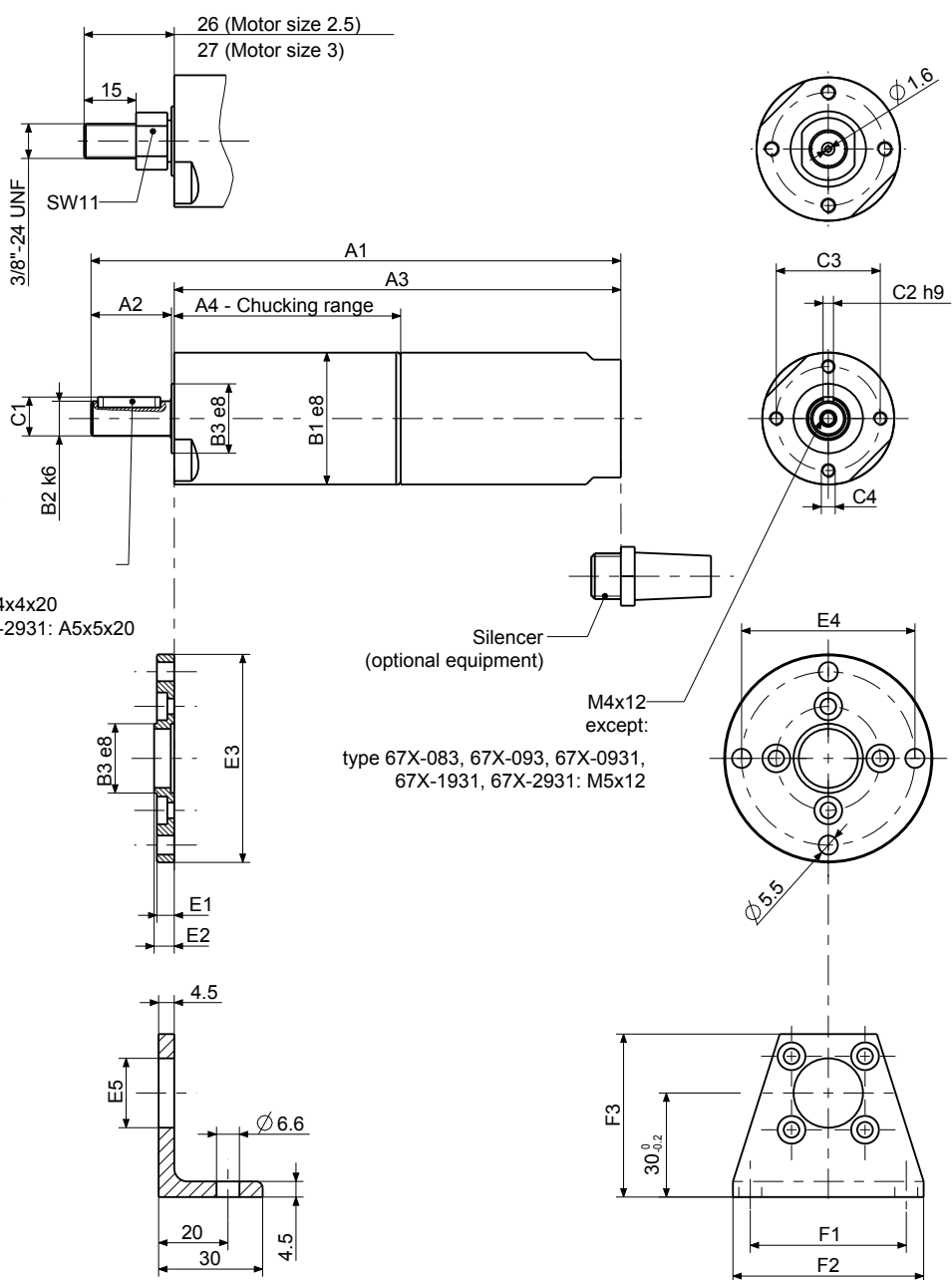
Further notes for soundproofing see page 36/37.

Series 67X-

for motor size 2.5: A3x3x18
for motor size 3:
- types 67X-003/-013/-023/-073: A4x4x20
- types 67X-083/-093/-0931/-1931/-2931: A5x5x20

Flange
(optional equipment)

Bracket
(optional equipment)



p4402777

13

300/400 W ADVANCED LINE AIR MOTOR with high torque

Motor size 3 with high torque		reversible				
Series 67- ATEX conform	 Type Part no.	67X-613 306730I	67X-623 306730L	67X-673 306730M	67X-413 306730N	67X-423 306730O
ATEX specification		A	A	A	A	A
Nominal power	W / HP	300 / 0.4	300 / 0.4	300 / 0.4	300 / 0.4	300 / 0.4
Nominal speed	rpm	85	45	25	13	7
Speed (idling)	rpm	170	90	50	26	14
Nominal torque	Nm / in.lbs	33.7 / 298.2	63.6 / 562.9	114.5 / 1013.3	220 / 1947	410 / 3628.5
Start torque min.	Nm / in.lbs	50.5 / 446.9	95.4 / 844.3	171.5 / 1517.8	330 / 2920.5	600/5310 ¹⁾
Stall torque	Nm / in.lbs	64 / 566.4	120.9 / 1070	217 / 1920.45	418 / 3699.3	600/5310 ¹⁾
Max. admissible torque	Nm / in.lbs	-	-	-	-	600 / 5310
Air consumption	m ³ /min / cfm	0.47 / 16.6	0.47 / 16.6	0.47 / 16.6	0.47 / 16.6	0.47 / 16.6
Weight	kg / lbs	2.7 / 5.94	2.6 / 5.72	2.9 / 6.38	3.5 / 7.7	3.5 / 7.7
Hose I.D., supply air/exhaust air	mm / in.	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈
Motor size 3 with high torque		right rotation				
Series 67- ATEX conform	 Type Part no.	67X-613R 3067300I	67X-623R 3067300L	67X-673R 3067300M	67X-413R 3067300N	67X-423R 3067300O
ATEX specification		A	A	A	A	A
Nominal power	W / HP	400/0.54	400/0.54	400/0.54	400/0.54	400/0.54
Nominal speed	rpm	105	55	31	15	8
Speed (idling)	rpm	210	110	62	30	16
Nominal torque	Nm / in.lbs	36.3/321.25	69.4/614.2	123.2/1090	254/2248	477/4221.45
Start torque min.	Nm / in.lbs	54.5/482.3	104/920.4	184.4/1631.94	382/3380.7	600/5310 ¹⁾
Stall torque	Nm / in.lbs	69/610.65	132/1168.2	234/2070.9	483.8/4281.63	600/5310 ¹⁾
Max. admissible torque	Nm / in.lbs	-	-	-	-	600/5310
Air consumption	m ³ /min / cfm	0.5/17.65	0.5/17.65	0.5/17.65	0.5/17.65	0.5/17.65
Weight	kg / lbs	2.7 / 5.94	2.6 / 5.72	2.9 / 6.38	3.5 / 7.7	3.5 / 7.7
Hose I.D., supply air/exhaust air	mm / in.	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈

Performance data relate to an air pressure of 6 bar (85 PSI) and lubricated air. With oil-free operation the output will be reduced by 10 - 20%.

¹⁾ Please take note of the maximum permissible torque for the gear. Please note that these motor gears are not stall-proof. If a higher application-based torque cannot be limited by the customer (e.g. by use of a slip clutch), please contact our application specialists to discuss an alternative solution.

Optional Equipment		for motor size 3
Flange incl. mounting screws	Part no.	4134632
Bracket incl. mounting screws	Part no.	44461738
Silencer: motor operates in one direction (right or left rotation)		
1 Hose nozzle	Part no.	410541 (1/4")
1 Silencer	Part no.	129602A (2xG1/4)
Silencer: motor is reversible (right or left rotation)		
2 Hose nozzles	Part no.	410541 (1/4")
1 Silencer	Part no.	129601B (G1/4)
Maintenance unit with lubricator*	Part no.	820455A
Connection thread		G 1/2
Maintenance unit without lubricator*	Part no.	822409A
Connection thread		G 1/2
Replacement part set consisting of: vanes, sealant rings, o-rings and silencers		444786O for part no. 306730(0)I,L,M 444786C for part no. 306730(0)N,O

*) Maintenance unit consists of pressure regulator valve, filter and optionally with or without lubricator

Of course you can also purchase individual replacement parts from us. Our standard maintenance units are not ATEX conform. Please contact us if this is a requirement.

Allowable shaft loading see page 36.

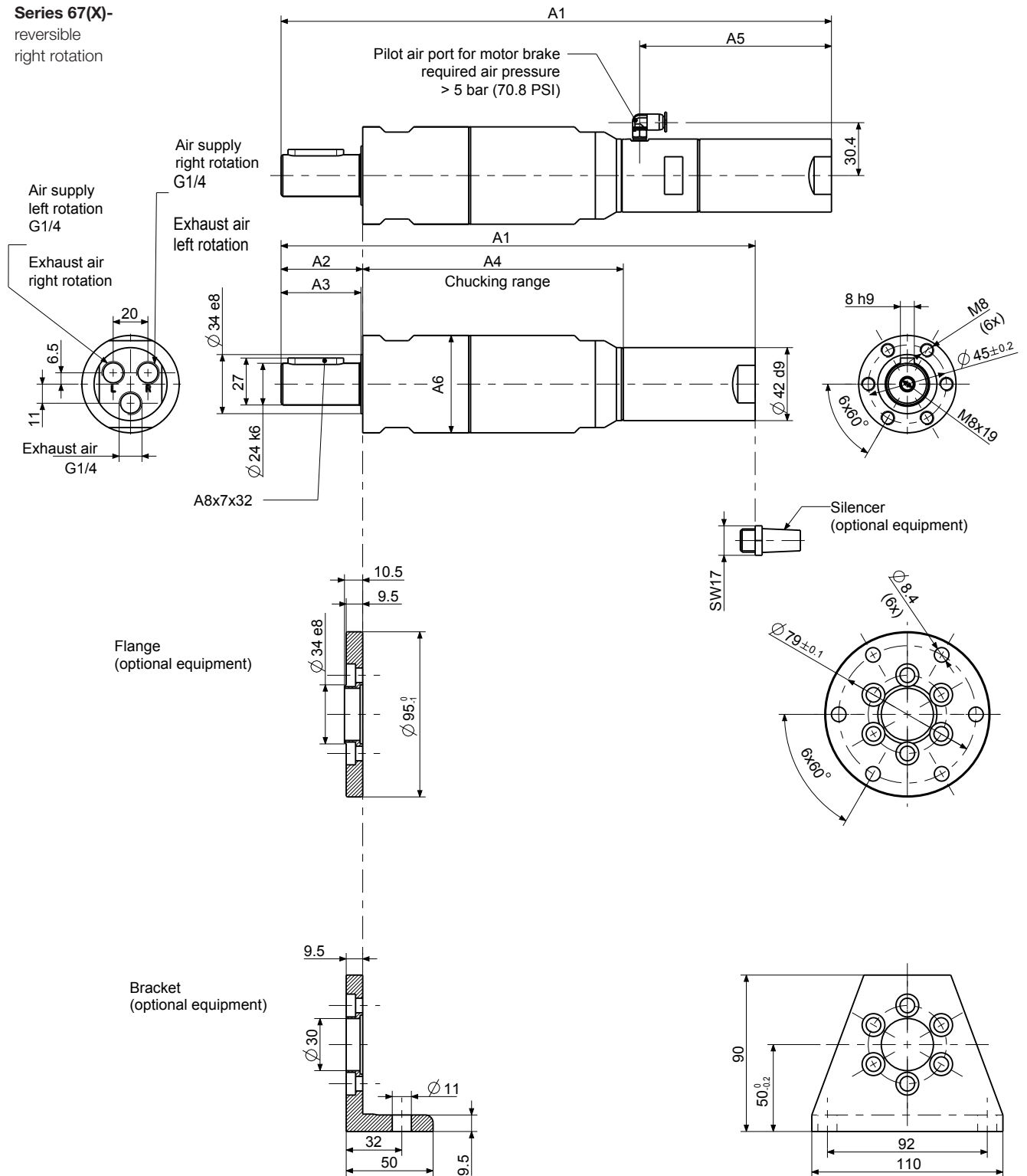
Further notes for soundproofing see page 36/37.

Notes to the pressure regulator valve for our ATEX conform brake motors, please find on page 38.

Motor size 3 High torque stainless steel motors

Series 67(X)-

reversible
right rotation



p444204

Motor size	Series 67(X)- Type		Dimensions of motor (mm)					A6
			A1	A2	A3	A4	A5	
3	67X-613(R)	67X-623(R)	257.1	44	43	134.1	-	56e8
	67X-673(R)		272.9			149.9		
	67X-413(R)	67X-423(R)	279.2	47	46	156.2		63h8

300 W ADVANCED LINE HIGH TORQUE MOTORS with integrated holding brake

Motor size 3 with holding brake		reversible				
Series 67- ATEX conform	 Type Part no.	67X-613B 1030291P	67X-623B 1030291R	67X-673B 1030291S	67X-413B 1030291N	67X-423B 1030291O
ATEX specification		A	A	A	A	A
Series 67- without ATEX authorization	Type Part no.	67-613B-1 103029P	67-623B-1 103029R	67-673B-1 103029S	67-413B-1 103029N	67-423B-1 103029O
Nominal power	W / HP	300 / 0.4	300 / 0.4	300 / 0.4	300 / 0.4	300 / 0.4
Nominal speed	rpm	85	45	25	13	7
Speed (idling)	rpm	170	90	50	26	14
Nominal torque	Nm / in.lbs	33.7 / 298.2	63.6 / 562.9	114.5 / 1013.3	220 / 1947	410 / 3628.5
Start torque min.	Nm / in.lbs	50.5 / 446.9	95.4 / 844.29	171.5 / 1517.8	330 / 2920.5	600/5310 ¹⁾
Stall torque	Nm / in.lbs	64 / 566.4	120.9 / 1070	217 / 1920.45	418 / 3699.3	600/5310 ¹⁾
Max. admissible torque	Nm / in.lbs	-	-	-	-	600 / 5310
Brake torque	Nm / in.lbs	82 / 725.7	160 / 1416	282 / 2495.7	554 / 4902.9	-
Air consumption	m ³ /min / cfm	0.47 / 16.6	0.47 / 16.6	0.47 / 16.6	0.47 / 16.6	0.47 / 16.6
Weight	kg / lbs	3.1 / 6.82	3 / 6.6	3.3 / 7.26	3.9 / 8.58	3.9 / 8.58
Hose I.D., supply air/exhaust air	mm / in.	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈

Performance data relate to an air pressure of 6 bar (85 PSI) and lubricated air. With oil-free operation the output will be reduced by 10 - 20%.

¹⁾ Please take note of the maximum permissible torque for the gear. Please note that these motor gears are not stall-proof. If a higher application-based torque cannot be limited by the customer (e.g. by use of a slip clutch), please contact our application specialists to discuss an alternative solution.

Optional Equipment		for motor size 3
Flange incl. mounting screws	Part no.	4134632
Bracket incl. mounting screws	Part no.	44461738
Silencer: motor operates in one direction (right or left rotation)		
1 Hose nozzle	Part no.	410541 (1/4")
1 Silencer	Part no.	129602A (2xG1/4)
Silencer: motor is reversible (right or left rotation)		
2 Hose nozzles	Part no.	410541 (1/4")
1 Silencer	Part no.	129601B (G1/4)
Maintenance unit with lubricator*	Part no.	820455A
Connection thread		G 1/2
Maintenance unit without lubricator*	Part no.	822409A
Connection thread		G 1/2
Replacement part set consisting of: vanes, sealant rings, o-rings and silencers	Part no.	444786O for part no. 103029(1)P,R,S 444786C for part no. 103029(1)N,O
Replacement part set for brake consisting of: discs, pressure spring and o-rings	Part no.	446096C

* Maintenance unit consists of pressure regulator valve, filter and optionally with or without lubricator

Of course you can also purchase individual replacement parts from us. Our standard maintenance units are not ATEX conform. Please contact us if this is a requirement.

Allowable shaft loading see page 36.

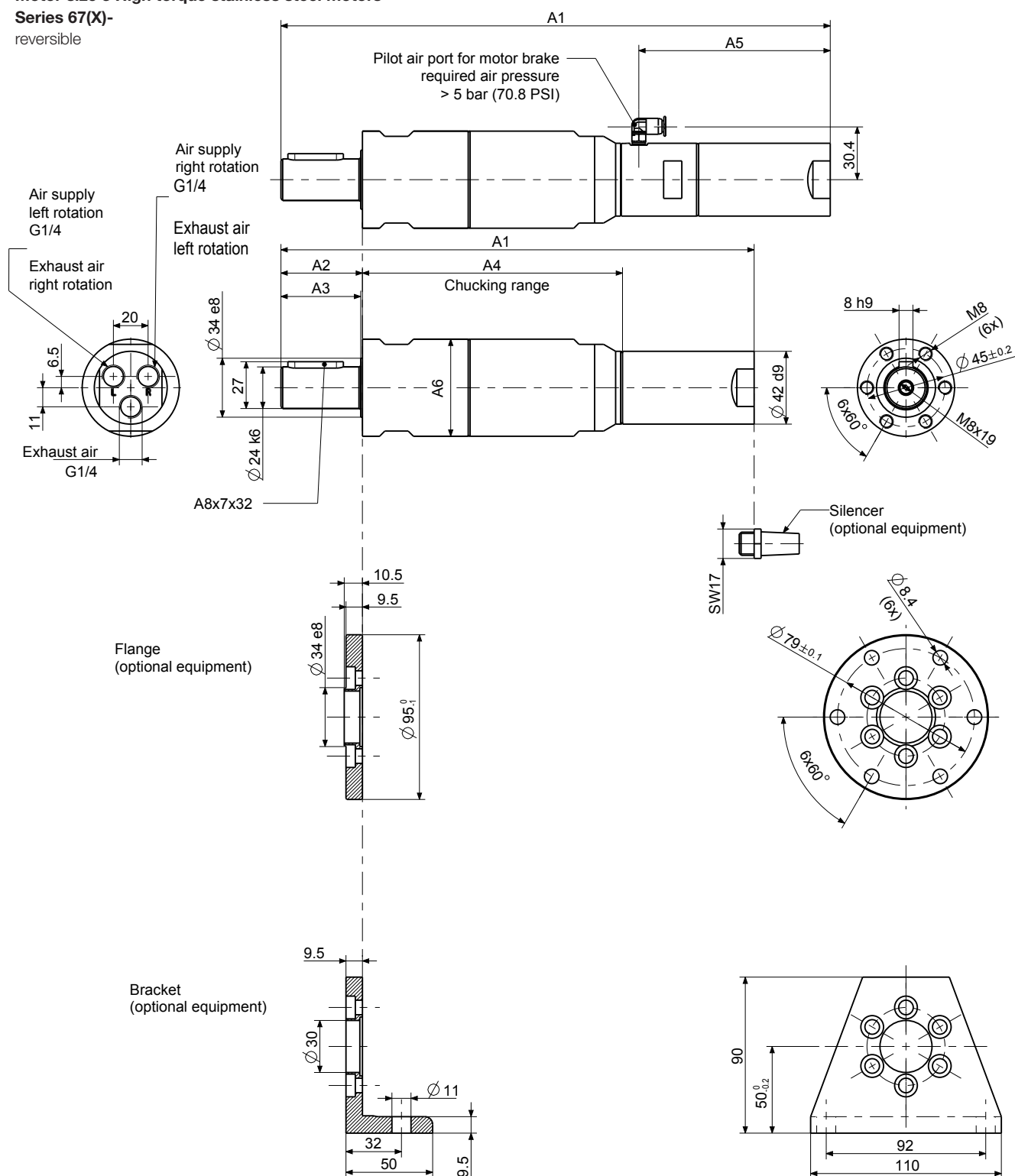
Further notes for soundproofing see page 36/37.

Notes to the pressure regulator valve for our ATEX conform brake motors, please find on page 38.

Motor size 3 High torque stainless steel motors

Series 67(X)-

reversible



Dimensions in mm

p444204

Motor size	Series 67(X)-		Dimensions of motor (mm)				
	Type		A1	A2	A3	A4	A5
3	67(X)-613B(-1)	67(X)-623B(-1)	300.1			134.1	
	67(X)-673B(-1)		316.8	44	43	149.9	110.4
	67(X)-413B(-1)	67(X)-423B(-1)	316.8	47	46	156.2	

100/130/200/300 W ADVANCED LINE AIR MOTOR with integrated holding brake

Motor size 2.5 with holding brake		reversible							
Series 67- ATEX conform	Type Part no.	67X-0025B 1073991B	67X-0125B 1073991C	67X-0225B 1073991D	67X-0725B 1073991F	67X-0325B 1073991E	67X-0425B 1073991A	67X-04251B 1073991G	67X-24251B 1073991H
ATEX specification		A	C	C	C	A	A	A	A
Series 67- without ATEX authorization	Type Part no.	67-0025B-1 107399B	67-0125B-1 107399C	67-0225B-1 107399D	67-0725B-1 107399F	67-0325B-1 107399E	67-0425B-1 107399A	67-04251B-1 107399G	67-24251B-1 107399H
Nominal power	W/HP	200/0.27	200/0.27	200/0.27	200/0.27	200/0.27	200/0.27	100/0.134	200/0.27
Nominal speed	rpm	8000	2300	1200	700	350	180	90	2)
Speed (idling)	rpm	16000	4600	2400	1400	700	360	180	50
Nominal torque	Nm/in.lbs	0.24/2.12	0.8/7.08	1.6/14.16	2.7/23.9	5.4/47.8	10.6/93.8	10.5/92.9	20/177 1)
Start torque min.	Nm/in.lbs	0.35/3.1	1.2/10.6	2.4/21.2	4.1/36.3	8.2/72.6	15.9/140.7	15/132.75	20/1177 1)
Stall torque	Nm/in.lbs	0.45/3.98	1.5/13.275	3/26.55	5.1/45.135	10.3/91.155	-	-	20/177 1)
Max. admissible torque	Nm/in.lbs	-	-	-	-	20/177	20/177	20/177	20/177
Brake torque	Nm/in.lbs	1/8.85	3.4/30.1	6.7/59.3	11.8/104.43	-	-	-	-
Air consumption	m ³ /min/cfm	0.37/13.06	0.37/13.06	0.37/13.06	0.37/13.06	0.37/13.06	0.37/13.06	0.27/9.53	0.37/13.06
Weight	kg/lbs	1/2.2	1.05/2.31	1.05/2.31	1.15/2.53	1.15/2.53	1.15/2.53	1.36/3	1.36/3
Hose I.D., supply air/exhaust air	mm/in.	10 / 3/8	10 / 3/8	10 / 3/8	10 / 3/8	10 / 3/8	10 / 3/8	10 / 3/8	10 / 3/8

Motor size 3 with holding brake		reversible								
Series 67- ATEX conform	 Type Part no.	67X-003B 1030291A	67X-013B 1030291B	67X-023B 1030291C	67X-073B 1030291D	67X-083B 1030291E	67X-093B 1030291F	67X-0931B 1030291G	67X-1931B 1030291K	67X-2931B 1030291H
ATEX specification		A	D	C	C	A	A	A	A	A
Series 67- without ATEX authorization	Type Part no.	67-003B-1 103029A	67-013B-1 103029B	67-023B-1 103029C	67-073B-1 103029D	67-083B-1 103029E	67-093B-1 103029F	67-0931B-1 103029G	67-1931B-1 103029K	67-2931B-1 103029H
Nominal power	W/HP	300/0.4	300/0.4	300/0.4	300/0.4	300/0.4	300/0.4	130/0.174	300/0.4	300/0.4
Nominal speed	rpm	7250	2300	1200	615	350	180	90	2)	2)
Speed (idling)	rpm	14500	4600	2400	1230	700	360	180	100	50
Nominal torque	Nm/in.lbs	0.4/3.54	1.2/10.6	2.4/21.2	4.65/41.15	8.15/72.13	15.9/140.7	13.8/122.13	36/318.6 ¹⁾	36/318.6 ¹⁾
Start torque min.	Nm/in.lbs	0.6/5.3	1.9/16.8	3.6/31.86	6.95/61.5	12.25/108.4	23.9/211.5	21/185.85	36/318.6 ¹⁾	36/318.6 ¹⁾
Stall torque	Nm/in.lbs	0.76/6.73	2.2/19.5	4.5/39.8	8.8/77.88	15.2/134.52	30.2/267.27	26.2/231.87	36/318.6 ¹⁾	36/318.6 ¹⁾
Max. admissible torque	Nm/in.lbs	-	-	-	-	-	36/318.6	36/318.6	36/318.6	36/318.6
Brake torque	Nm/in.lbs	1/8.85	3.4/30.1	6.7/59.3	11.8/104.43	20.6/182.31	-	-	-	-
Air consumption	m ³ /min/cfm	0.47/16.6	0.47/16.6	0.47/16.6	0.47/16.6	0.47/16.6	0.47/16.6	0.28/9.88	0.47/16.6	0.47/16.6
Weight	kg/lbs	1.35/2.97	1.4/3.08	1.4/3.08	1.45/3.19	1.5/3.3	1.5/3.3	1.7/3.74	1.8/1.76	1.8/1.76
Hose I.D., supply air/exhaust air	mm/in.	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈	10 / ³ / ₈

Performance data relate to an air pressure of 6 bar (85 PSI) and lubricated air. With oil-free operation the output will be reduced by 10 - 20%.

- 1) Please take note of the maximum permissible torque for the gear. Please note that these motor gears are not stall-proof. If a higher application-based torque cannot be limited by the customer (e.g. by use of a slip clutch), please contact our application specialists to discuss an alternative solution.
- 2) At the maximum permissible torque of the gear, operating speed is adjusted to the region of the idle speed. This operating speed can be reduced to up to 25 % of the indicated idle speed by reducing pressure and additional exhaust air throttling. For operation at very low speeds in relation to the idle speed, we recommend the use of spring-assisted vanes (Z vanes).

Optional Equipment:		for motor size 2.5	for motor size 3
Flange incl. mounting screws	Part no.	4445305	4446105
Bracket incl. mounting screws	Part no.	4445393	4446112
Silencer: motor operates in one direction (right or left rotation)			
1 Hose nozzle	Part no.	823238 (1/8")	410541 (1/4")
1 Silencer	Part no.	129601A (G1/8/G1/4)	129602A (2xG1/4)
Silencer: Motor is reversible (right or left rotation)			
2 Hose nozzles	Part no.	823238 (1/8")	410541 (1/4")
1 Silencer	Part no.	129601B (G1/4)	129601B (G1/4)
Maintenance unit with lubricator*	Part no.	820454A	820455A
Connection thread		G 1/4	G 1/2
Maintenance unit without lubricator*	Part no.	822408A	822409A
Connection thread		G 1/4	G 1/2
Replacement part set consisting of: vanes, sealant rings, o-rings and silencers	Part no.	444785A for part no. 107399(1)A,C-H 444785E for part no. 107399(1)B	444786A for part no. 103029(1)B-H,K 444786L for part no. 103029(1)A
Replacement part set for brake consisting of: discs, pressure spring and o-rings	Part no.	446096C	446096C

* Maintenance unit consists of pressure regulator valve, filter and optionally with or without lubricator

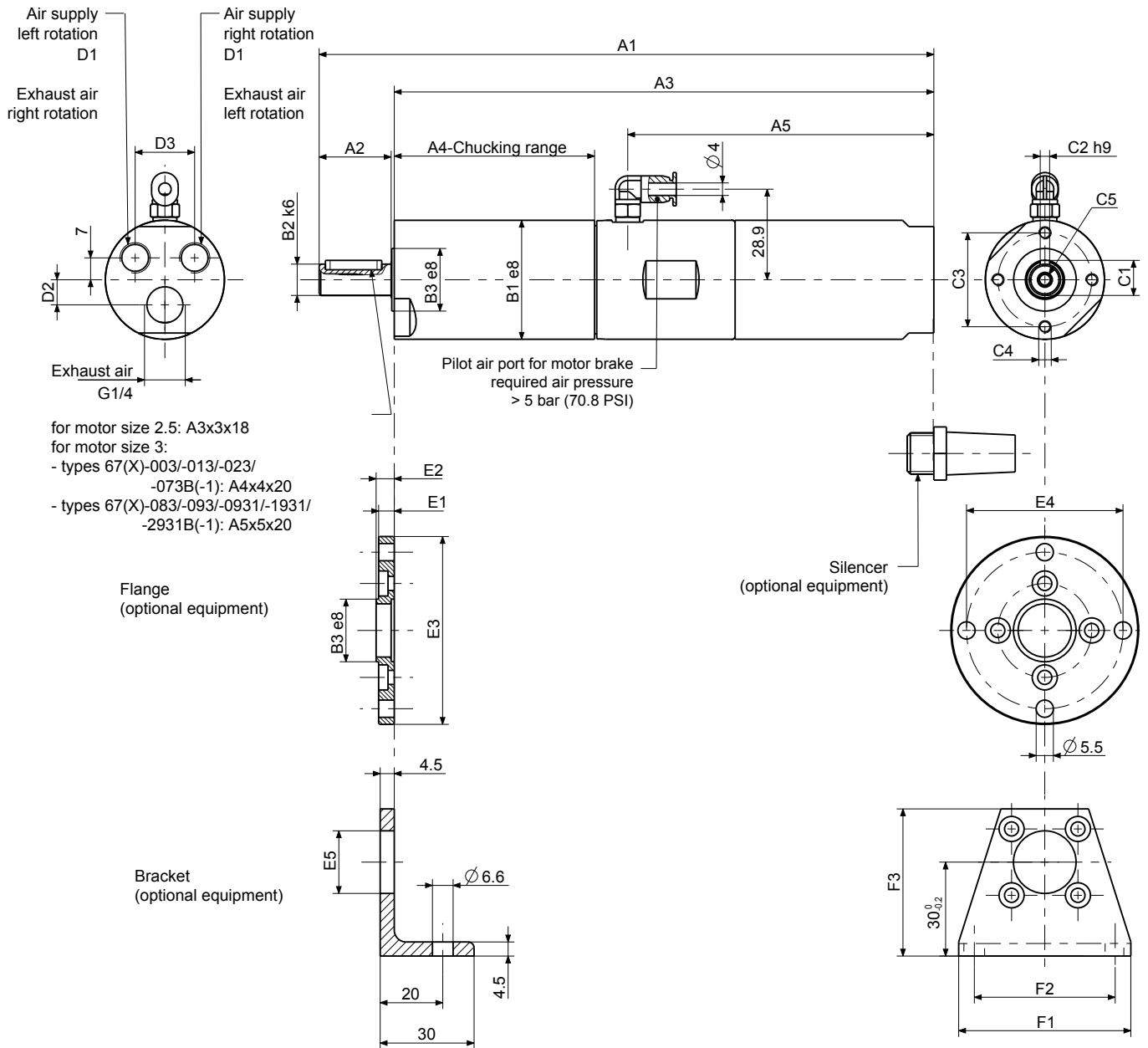
Of course you can also purchase individual replacement parts from us. Our standard maintenance units are not ATEX conform. Please contact us if this is a requirement.

Allowable shaft loading see page 36.

Further notes for soundproofing see page 36/37.

Notes to the pressure regulator valve for our ATEX conform brake motors, please find on page 38.

Motor size 2.5 and Motor size 3 with holding brake, Series 67(X)-, reversible



Dimensions in mm

p4134552

Motor size	Series 67(X)- Type			Dimensions of motor (mm)																	
				A1	A2	A3	A4	A5	B1	B2	B3	C1	C2	C3	C4	C5	D1	D2	D3		
2.5	67(X)-0025B(-1)	67(X)-0125B(-1)	67(X)-0225B(-1)	196		172	64														
	67(X)-0725B(-1)	67(X)-0325B(-1)	67(X)-0425B(-1)	212	23	188	80	98	38	10	20	11.2	3	30	M4	M4x12	G1/8	8	19		
	67(X)-24251B(-1)			228		204	96														
3	67(X)-003B(-1)	67(X)-013B(-1)	67(X)-023B(-1)	215		187	67														
	67(X)-073B(-1)			231	27																
	67(X)-083B(-1)	67(X)-093B(-1)	67(X)-0931B(-1)	235	30	203	83	110	42		12	13.5	4			M4x12					
	67(X)-1931B(-1)	67(X)-2931B(-1)		250	30	218	82				14	16	5			M5x12	G1/4	11	20		
Motor size	Series 67(X)- Type			Dimensions of flange (mm)										Dimensions of bracket (mm)							
				B3		E1		E2		E3		E4		E5		F1		F2		F3	
2.5	67(X)-0025B(-1)	67(X)-0125B(-1)	67(X)-0225B(-1)																		
	67(X)-0725B(-1)	67(X)-0325B(-1)	67(X)-0425B(-1)	20		5		5.8		60		50		17		55		45		47	
	67(X)-24251B(-1)																				
3	67(X)-003B(-1)	67(X)-013B(-1)	67(X)-023B(-1)																		
	67(X)-073B(-1)																				
	67(X)-083B(-1)	67(X)-093B(-1)	67(X)-0931B(-1)	24		6		6.8		65		55		21		60		50		48	
	67(X)-1931B(-1)	67(X)-2931B(-1)																			

300/600/850 W ADVANCED LINE AIR MOTOR ATEX conform/without ATEX authorization for drill-chuck

Motor size 6		reversible									
Series 67X- ATEX conform		Type Part no.	67X-006 306760A	67X-086 306760N	67X-016 306760H	67X-026 306760B	67X-036 306760C	67X-046 306760D	67X-056 306760E	67X-066 306760F	67X-0661 306760G
ATEX specification			A	A	D	C	C	A	A	A	A
Series 67X- with threaded shaft ATEX conform		Type Part no.	-	-	67X-016G 1141327H	67X-026G 1141327B	67X-036G 1141327C	67X-046G 1141327D	-	-	-
ATEX specification			-	-	D	C	C	A	-	-	-
Series 67- without ATEX authorization for drill-chuck		Type Part no.	-	-	67-016B16 114132H	67-026B16 114132B	67-036B16 114132C	67-046B16 114132D	67-056B16 114132E	67-066B16 114132F	67-0661B16 114132G
Nominal power	W / HP		600/0.8	600/0.8	600/0.8	600/0.8	600/0.8	600/0.8	600/0.8	600/0.8	300/0.4
Nominal speed	rpm		6750	2750	2000	1500	1000	350	250	170	90
Speed (idling)	rpm		13500	5500	4000	3000	2000	700	500	340	180
Nominal torque	Nm / in.lbs		0.85/7.5	2/17.7	2.8/24.78	3.8/33.63	5.7/50.44	16.3/144.3	22.9/202.7	33.7/298.25	31.8/281.43
Start torque min.	Nm / in.lbs		1.25/11.06	3.1/27.435	4.3/38.055	5.7/50.445	8.5/75.225	24.5/216.825	34.3/303.55	50.6/447.81	47.7/422.15
Stall torque	Nm / in.lbs		1.6/14.16	3.9/34.5	5.4/47.8	7.2/63.72	10.8/95.58	31.1/275.24	43.5/385	64/566.4	60.4/534.54
Air consumption	m ³ /min / cfm		0.85/30	0.85/30	0.85/30	0.85/30	0.85/30	0.85/30	0.85/30	0.85/30	0.55/19.4
Weight	kg / lbs		2.2/4.84	2.7/5.94	2.3/5.06	2.3/5.06	2.3/5.06	2.6/5.72	2.7/5.94	2.7/5.94	2.7/5.94
Hose I.D., supply air/exhaust air	mm / in.		12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2
Motor size 6		right rotation									
Series 67X- ATEX conform		Type Part no.	67X-006R 3067600A	67X-086R 3067600N	67X-016R 3067600H	67X-026R 3067600B	67X-036R 3067600C	67X-046R 3067600D	67X-056R 3067600E	67X-066R 3067600F	
ATEX specification			A	A	D	C	C	A	A	A	
Nominal power	W / HP		850	850/1.14	850/1.14	850/1.14	850/1.14	850/1.14	850/1.14	850/1.14	
Nominal speed	rpm		7250	2985	2100	1650	1075	375	275	180	
Speed (idling)	rpm		14500	5970	4200	3300	2150	750	550	360	
Nominal torque	Nm / in.lbs		1.12/9.9	2.7/23.9	3.9/34.5	4.9/43.4	7.6/67.3	21.6/191.2	29.5/261.1	45.1/399.1	
Start torque min.	Nm / in.lbs		1.68/14.9	4.1/36.3	5.8/51.3	7.4/65.5	11.3/100	32.5/287.6	44.3/392.1	67.6/598.3	
Stall torque	Nm / in.lbs		2.13/18.85	5.2/46.02	7.3/64.6	9.3/82.3	14.3/126.5	41.1/363.7	56.1/496.5	85.7/758.4	
Air consumption	m ³ /min / cfm		0.85/30	0.85/30	0.85/30	0.85/30	0.85/30	0.85/30	0.85/30	0.85/30	
Weight	kg / lbs		2.2/4.84	2.7/5.94	2.3/5.1	2.3/5.1	2.3/5.1	2.6/5.72	2.7/5.94	2.7/5.94	
Hose I.D., supply air/exhaust air	mm / in.		12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	

Performance data relate to an air pressure of 6 bar (85 PSI) and lubricated air. With oil-free operation the output will be reduced by 10 - 20%.

Optional Equipment:		for motor size 6	
Flange incl. mounting screws	Part no.	4446166	
Bracket incl. mounting screws	Part no.	4446176	
Silencer: motor operates in one direction (right or left rotation)			
1 Hose nozzle	Part no.	410540 (3/8")	
1 Silencer	Part no.	129563A (G3/8/G1/2) **)	
Silencer: Motor is reversible (right or left rotation)			
2 Hose nozzles	Part no.	410540 (3/8")	
1 Silencer	Part no.	129563B (G1/2)	
Drill-Chuck			
Range 1 - 13 mm / B 16	Part no.	804652	
Quick change chuck			
Range 1 - 13 mm / B 16	Part no.	804663	
Maintenance unit with lubricator*	Part no.	820455A	
Connection thread		G 1/2	
Maintenance unit without lubricator*	Part no.	822409A	
Connection thread		G 1/2	
Replacement part set consisting of:	Part no.	444787A for part no. 306760B-D,H/for part no. 3067600B-D,H/for part no. 114132B-D, H	
vanes, sealant rings, o-rings and silencers	Part no.	444787B for part no. 306760E-G/for part no. 3067600E-F/ for part no. 114132E-G	
		444787H for part no. 306760A,N/for part no. 3067600A,N	

*) Maintenance unit consists of pressure regulator valve, filter and optionally with or without lubricator

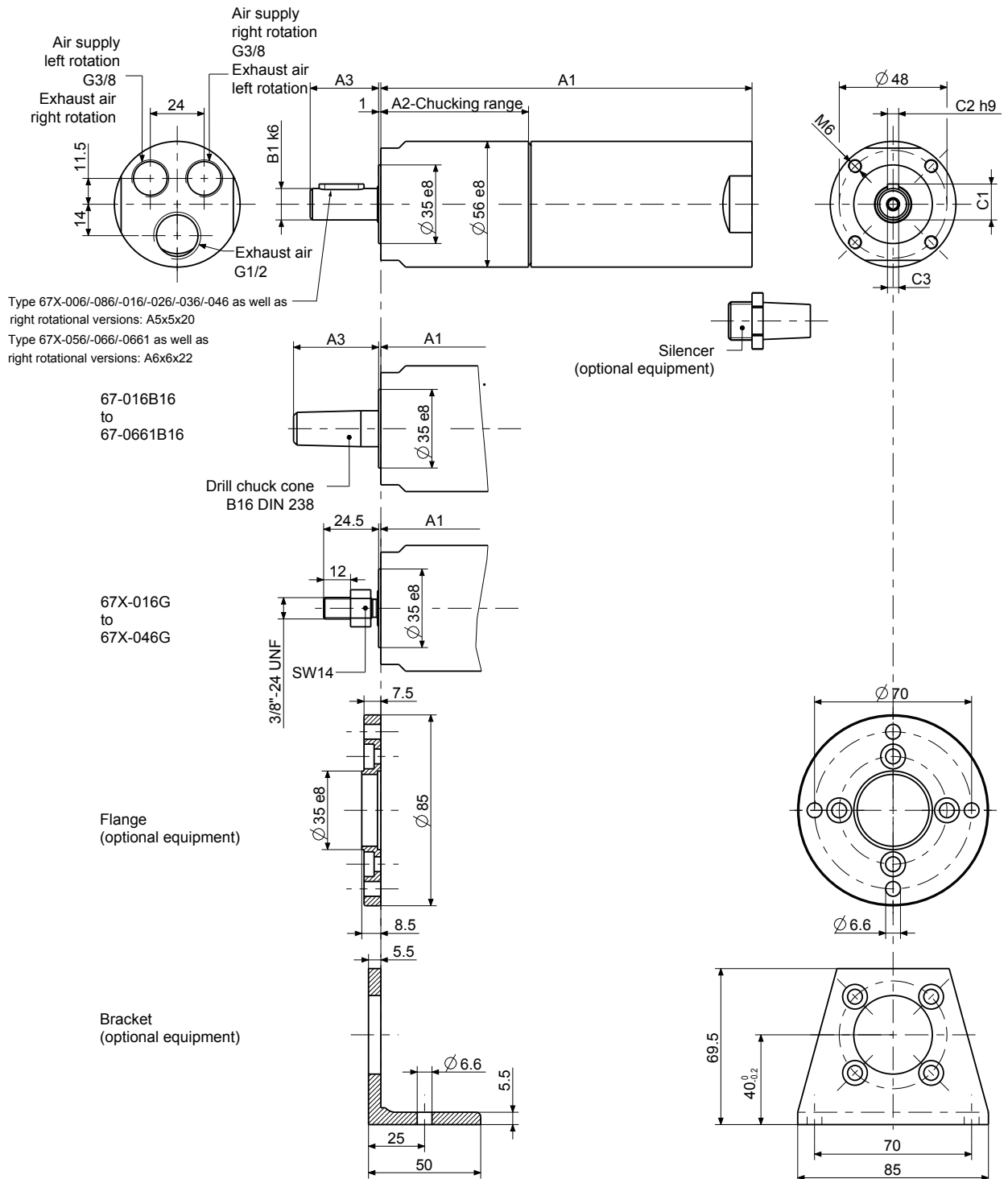
**) the output will be reduced by approx. 10%

Of course you can also purchase individual replacement parts from us. Please contact us if this is a requirement. Our standard maintenance units are not ATEX conform. Please contact us if this is a requirement

Allowable shaft loading see page 36.

Further notes for soundproofing see page 36/37.

Motor size 6, Series 67(X)-, reversible and right rotation



Dimensions in mm

p4402988

Motor size	Series 67(X)-				Dimensions of motor (mm)							
	Type				A1	A2	A3	B1	C1	C2	C3	
6	67X-006	67X-016(G)	67X-026(G)	67X-036(G)	165.5	66						
	67X-046(G)	67X-086			183.5	84	30.5	14	16	5	M5x12	
	67X-056	67X-066	67X-0661		180	80.5	35	19	21.5	6	M6x12	
	67X-006R	67X-016R	67X-026R	67X-036R	165.5	66	30.5	14	16	5	M5x12	
	67X-046R	67X-086R			183.5	84						
	67X-056R	67X-066R			180	80.5	35	19	21.5	6	M6x12	
	67-016B16	67-026B16	67-036B16		166	66	37.5					
	67-046B16				184	84		—	—	—	—	
	67-056B16	67-066B16	67-0661B16		180	80.5	38					

900/1100 W ADVANCED LINE AIR MOTOR ATEX conform

Motor size 7		reversible								
Series 67X- ATEX conform		Type Part no.	67X-007 306770A	67X-087 306770N	67X-017 306770H	67X-027 306770B	67X-037 306770C	67X-047 306770D	67X-057 306770E	67X-067 306770F
ATEX specification			A	A	D	C	C	A	A	A
Nominal power	W / HP		900/1.2	900/1.2	900/1.2	900/1.2	900/1.2	900/1.2	900/1.2	900/1.2
Nominal speed	rpm		6300	2600	1835	1425	950	325	235	155
Speed (idling)	rpm		12600	5200	3670	2850	1900	650	470	310
Nominal torque	Nm / in.lbs		1.35/11.95	3.3/29.2	4.6/40.7	6/53.1	9/79.65	26.4/233.6	36.5/323	55.4/490.3
Start torque min.	Nm / in.lbs		2/17.7	4.9/43.36	7/61.95	9/79.65	13.5/119.5	39.6/350.46	54.8/485	83.1/735.4
Stall torque	Nm / in.lbs		2.6/23	6.2/54.87	8.9/78.8	11.4/100.89	17.1/151.3	50.2/444.27	69.4/614.19	105.3/931.9
Air consumption	m ³ /min / cfm		1.4/49.42	1.4/49.42	1.4/49.42	1.4/49.42	1.4/49.42	1.4/49.42	1.4/49.42	1.4/49.42
Weight	kg / lbs		2.5/5.5	2.9/6.38	2.6/5.72	2.6/5.72	2.6/5.72	2.9/6.38	3/6.6	3/6.6
Hose I.D., supply air/exhaust air	mm / in.		12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2
Motor size 7		right rotation								
Series 67X- ATEX conform		Type Part no.	67X-007R 3067700A	67X-087R 3067700N	67X-017R 3067700H	67X-027R 3067700B	67X-037R 3067700C	67X-047R 3067700D	67X-057R 3067700E	67X-067R 3067700F
ATEX specification			A	A	D	C	C	A	A	A
Nominal power	W / HP		1100	1100	1100	1100	1100	1100	1100	1100
Nominal speed	rpm		6550	2625	1900	1460	970	330	240	155
Speed (idling)	rpm		13100	5250	3800	2920	1940	660	480	310
Nominal torque	Nm / in.lbs		1.6/14.2	4/35.4	5.5/48.7	7.2/63.7	10.8/95.6	31.8/281.4	43.8/387.6	67.7/599.1
Start torque min.	Nm / in.lbs		2.4/21.2	6/53.1	8.3/73.5	10.8/95.6	16.2/143.4	47.7/422.1	65.7/581.4	101.6/899.2
Stall torque	Nm / in.lbs		3.0/26.55	7.6/67.3	10.5/92.9	13.7/121.2	20.5/181.4	60.5/535.4	83.2/736.3	128.8/1129.9
Air consumption	m ³ /min / cfm		1.4/49.42	1.4/49.42	1.4/49.42	1.4/49.42	1.4/49.42	1.4/49.42	1.4/49.42	1.4/49.42
Weight	kg / lbs		2.5/5.5	2.9/6.38	2.6/5.72	2.6/5.72	2.6/5.72	2.9/6.38	3/6.6	3/6.6
Hose I.D., supply air/exhaust air	mm / in.		12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2

Performance data relate to an air pressure of 6 bar (85 PSI) and lubricated air. With oil-free operation the output will be reduced by 10 - 20%.

Optional Equipment:		for motor size 7	
Flange incl. mounting screws	Part no.	4446166	
Bracket incl. mounting screws	Part no.	4446176	
Silencer: motor operates in one direction (right or left rotation)			
1 Hose nozzle	Part no.	410540 (3/8")	
1 Silencer	Part no.	129563A (G3/8/G1/2) **)	
Silencer: Motor is reversible (right or left rotation)			
2 Hose nozzles	Part no.	410540 (3/8")	
1 Silencer	Part no.	129563B (G1/2)	
Drill-Chuck			
Range 1 - 13 mm / B 16	Part no.	—	
Quick change chuck			
Range 1 - 13 mm / B 16	Part no.	—	
Maintenance unit with lubricator*	Part no.	821608A	
Connection thread		G 3/4	
Maintenance unit without lubricator*	Part no.	826982A	
Connection thread		G 3/4	
Replacement part set consisting of: vanes, sealant rings, o-rings and silencers	Part no.	444919A / for part no. 306770B-D, H and 3067700B-D, H 444919B / for part no. 306770E-F and 3067700E-F	
	Part no.	444919F / for part no. 306770A, N and 3067700A, N	

*) Maintenance unit consists of pressure regulator valve, filter and optionally with or without lubricator

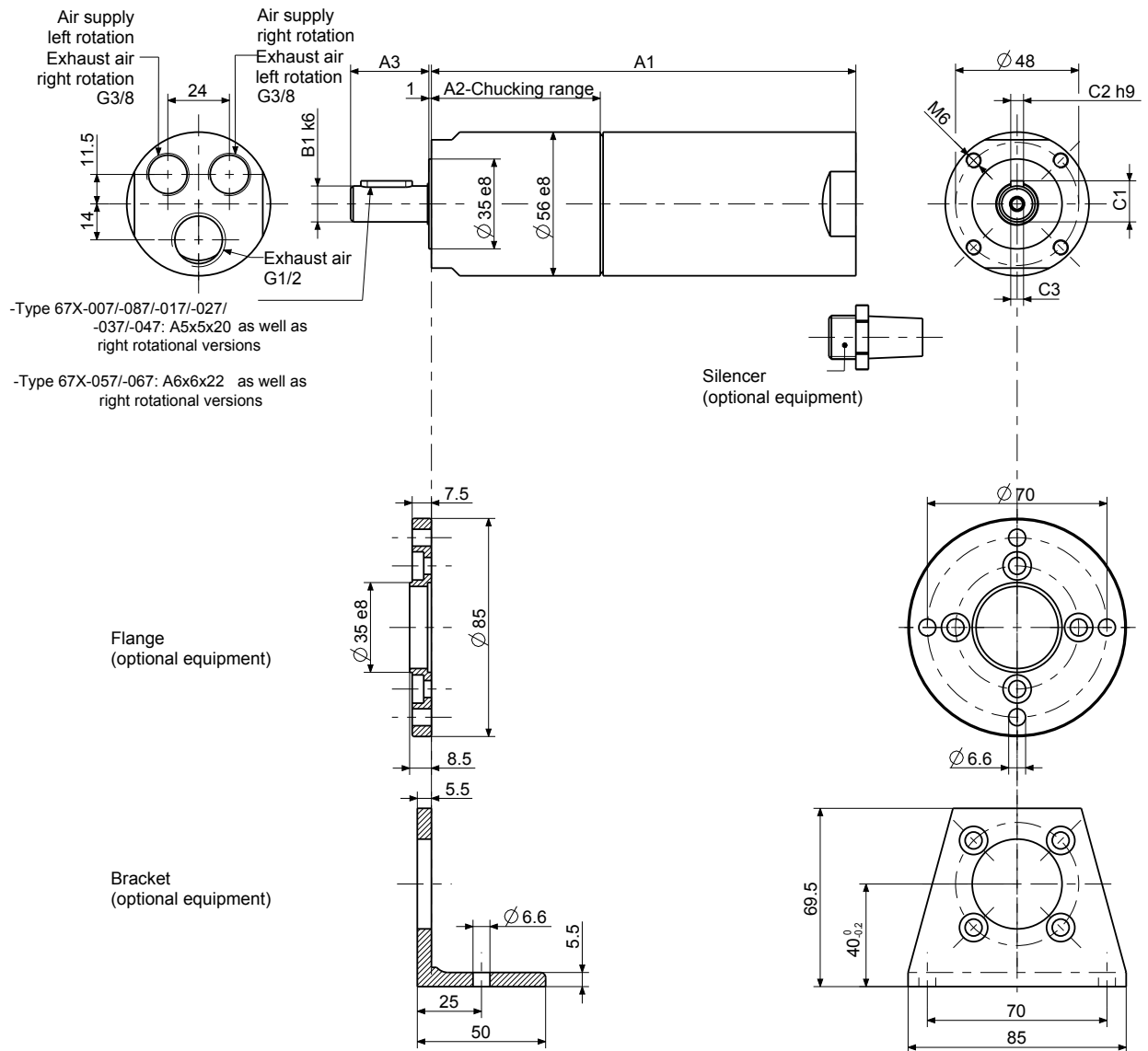
**) the output will be reduced by approx. 10%

Of course you can also purchase individual replacement parts from us. Please contact us if this is a requirement. Our standard maintenance units are not ATEX conform. Please contact us if this is a requirement

Allowable shaft loading see page 36.

Further notes for soundproofing see page 36/37.

Motor size 7, Series 67(X)-, reversible and right rotation



Dimensions in mm

p4402988

Motor size	Series 67(X)-				Dimensions of motor (mm)						
	Type				A1	A2	A3	B1	C1	C2	C3
7	67X-007(R)	67X-017(R)	67X-027(R)	67X-037(R)	190.5	66	30.5	14	16	5	M5x12
	67X-047(R)	67X-087(R)			208.5	84					
	67X-057(R)	67X-067(R)			205	81	35	19	21.5	6	M6x12

600/850 W ADVANCED LINE AIR MOTOR with high torque

Motor size 6 with high torque		reversible			
Series 67X- ATEX conform	 Type Part no.	67X-746 306760I	67X-756 306760K	67X-766 306760L	67X-516 306760M
ATEX specification		A			
Nominal power	W / HP	600/0.8	600/0.8	600/0.8	600/0.8
Nominal speed	rpm	85	65	42	24
Speed (idling)	rpm	170	130	84	48
Nominal torque	Nm / in.lbs	67.4/596.5	88.1/779.7	136.4/1207.14	238.7/2112.5
Start torque min.	Nm / in.lbs	101.1/894.7	132.2/1170	204.6/1810.7	358.1/3169.2
Stall torque	Nm / in.lbs	128/1132.8	167.4/1481.49	259.2/2293.9	453.5/4013.5
Air consumption	m ³ /min / cfm	0.85/30	0.85/30	0.85/30	0.85/30
Weight	kg / lbs	3.6/7.92	3.6/7.92	3.6/7.92	4.4/9.68
Hose I.D., supply air/exhaust air	mm / in.	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2
Motor size 6 with high torque		right rotation			
Series 67X- ATEX conform	 Type Part no.	67X-746R 3067600I	67X-756R 3067600K	67X-766R 3067600L	67X-516R 3067600M
ATEX specification		A			
Nominal power	W / HP	850/1.14	850/1.14	850/1.14	850/1.14
Nominal speed	rpm	95	67	45	25
Speed (idling)	rpm	190	134	90	50
Nominal torque	Nm / in.lbs	85/752.25	120/1062	180/1593	325/2876.25
Start torque min.	Nm / in.lbs	128/1133	180/1593	270/2389.5	487/4310
Stall torque	Nm / in.lbs	162/1433.7	228.5/2022.2	300/2655 ¹⁾	600/5310 ¹⁾
Max. admissible torque	Nm / in.lbs	-	-	300/2655	600/5310
Air consumption	m ³ /min / cfm	0.85/30	0.85/30	0.85/30	0.85/30
Weight	kg / lbs	3.6/7.92	3.6/7.92	3.6/7.92	4.4/9.68
Hose I.D., supply air/exhaust air	mm / in.	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2

Performance data relate to an air pressure of 6 bar (85 PSI) and lubricated air. With oil-free operation the output will be reduced by 10 - 20%.

¹⁾ Please take note of the maximum permissible torque for the gear. Please note that these motor gears are not stall-proof. If a higher application-based torque cannot be limited by the customer (e.g. by use of a slip clutch), please contact our application specialists to discuss an alternative solution.

Optional Equipment		for motor size 6
Flange incl. mounting screws	Part no.	4134632
Bracket incl. mounting screws	Part no.	44461738
Silencer: motor operates in one direction (right or left rotation)		
1 Hose nozzle	Part no.	410540 (3/8")
1 Silencer	Part no.	129563A (G ^{3/8} /G ^{1/2}) **)
Silencer: Motor is reversible (right or left rotation)		
2 Hose nozzles	Part no.	410540 (3/8")
1 Silencer	Part no.	129563B (G ^{1/2})
Maintenance unit with lubricator*	Part no.	820455A
Connection thread		G 1/2
Maintenance unit without lubricator*	Part no.	822409A
Connection thread		G 1/2
Replacement part set consisting of: vanes, sealant rings, o-rings and silencers	Part no.	444787L for types 67X-746(R) to 67X-766(R) 444787E for type 67X-516(R)

*) Maintenance unit consists of pressure regulator valve, filter and optionally with or without lubricator

**) the output will be reduced by approx. 10%

Of course you can also purchase individual replacement parts from us. Please contact us if this is a requirement. Our standard maintenance units are not ATEX conform. Please contact us if this is a requirement

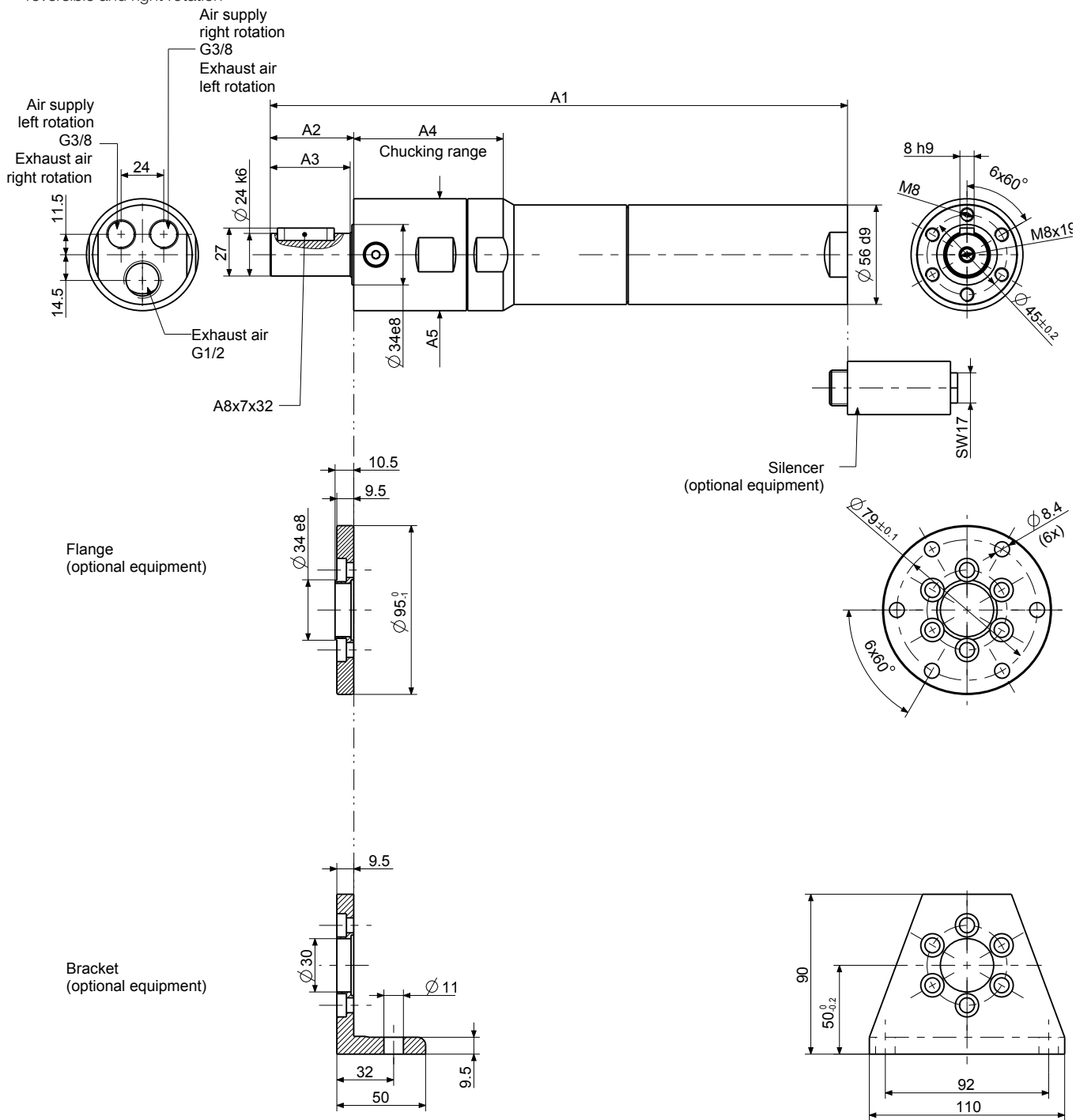
Allowable shaft loading see page 36.

Further notes for soundproofing see page 36/37.

Motor size 6 High torque stainless steel motors

Series 67X-

reversible and right rotation



Dimensions in mm

p444338

Motor size	Series 67X- Type			Dimensions of motor (mm)				
				A1	A2	A3	A4	A5
6	67X-746(R)	67X-756(R)	67X-766(R)	286.4	47	45	61	56e8
	67X-516(R)			300	47	45	84.2	63h8

900/1100 W ADVANCED LINE AIR MOTOR with high torque

Motor size 7 with high torque		reversible			
Series 67X-ATEX conform	Type Part no.	67X-747 306770I	67X-757 306770K	67X-767 306770L	67X-517 306770M
ATEX specification		A			
Nominal power	W / HP	900/1.2	900/1.2	900/1.2	900/1.2
Nominal speed	rpm	80	60	40	22
Speed (idling)	rpm	160	120	80	44
Nominal torque	Nm / in.lbs	107.4/950.5	143.2/1267.32	214.8/1901	390.6/3456.81
Start torque min.	Nm / in.lbs	161.1/1425.7	214.8/1901	300/2655 ¹⁾	585.9/5185.2
Stall torque	Nm / in.lbs	204.1/1806.3	272.1/2408.1	300/2655 ¹⁾	600/5310 ¹⁾
Max. admissible torque	Nm / in.lbs	-	-	300/2655	600/5310
Air consumption	m ³ /min / cfm	1.4/49.42	1.4/49.42	1.4/49.42	1.4/49.42
Weight	kg / lbs	3.8/8.36	3.9/8.58	3.9/8.58	4.7/10.34
Hose I.D., supply air/exhaust air	mm / in.	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2
Motor size 7 with high torque		right rotation			
Series 67X-ATEX conform	Type Part no.	67X-747R 3067700I	67X-757R 3067700K	67X-767R 3067700L	67X-517R 3067700M
ATEX specification		A			
Nominal power	W / HP	1100/1.5	1100/1.5	1100/1.5	1100/1.5
Nominal speed	rpm	80	60	40	22
Speed (idling)	rpm	160	120	80	44
Nominal torque	Nm / in.lbs	131/1159.35	175/1548.75	262.6/2324	477/4221.45
Start torque min.	Nm / in.lbs	197/1743.45	262.6/2324	300/2655 ¹⁾	600/5310 ¹⁾
Stall torque	Nm / in.lbs	249.5/2208	300/2655 ¹⁾	300/2655 ¹⁾	600/5310 ¹⁾
Max. admissible torque	Nm / in.lbs	-	300/2655	300/2655	600/5310
Air consumption	m ³ /min / cfm	1.4/49.42	1.4/49.42	1.4/49.42	1.4/49.42
Weight	kg / lbs	3.8/8.36	3.9/8.58	3.9/8.58	4.7/10.34
Hose I.D., supply air/exhaust air	mm / in.	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2

Performance data relate to an air pressure of 6 bar (85 PSI) and lubricated air. With oil-free operation the output will be reduced by 10 - 20%.

¹⁾ Please take note of the maximum permissible torque for the gear. Please note that these motor gears are not stall-proof. If a higher application-based torque cannot be limited by the customer (e.g. by use of a slip clutch), please contact our application specialists to discuss an alternative solution.

Optional Equipment		for motor size 7
Flange incl. mounting screws	Part no.	4134632
Bracket incl. mounting screws	Part no.	44461738
Silencer: motor operates in one direction (right or left rotation)		
1 Hose nozzle	Part no.	410540 (3/8")
1 Silencer	Part no.	129563A (G3/8/G1/2) **)
Silencer: Motor is reversible (right or left rotation)		
2 Hose nozzles	Part no.	410540 (3/8")
1 Silencer	Part no.	129563B (G1/2)
Maintenance unit with lubricator*	Part no.	821608A
Connection thread		G 3/4
Maintenance unit without lubricator*	Part no.	826982A
Connection thread		G 3/4
Replacement part set consisting of: vanes, sealant rings, o-rings and silencers	Part no.	444787M for types 67X-747(R) to 67X-767(R) 444919D for type 67X-517(R)

*) Maintenance unit consists of pressure regulator valve, filter and optionally with or without lubricator

**) the output will be reduced by approx. 10%

Of course you can also purchase individual replacement parts from us. Please contact us if this is a requirement. Our standard maintenance units are not ATEX conform. Please contact us if this is a requirement

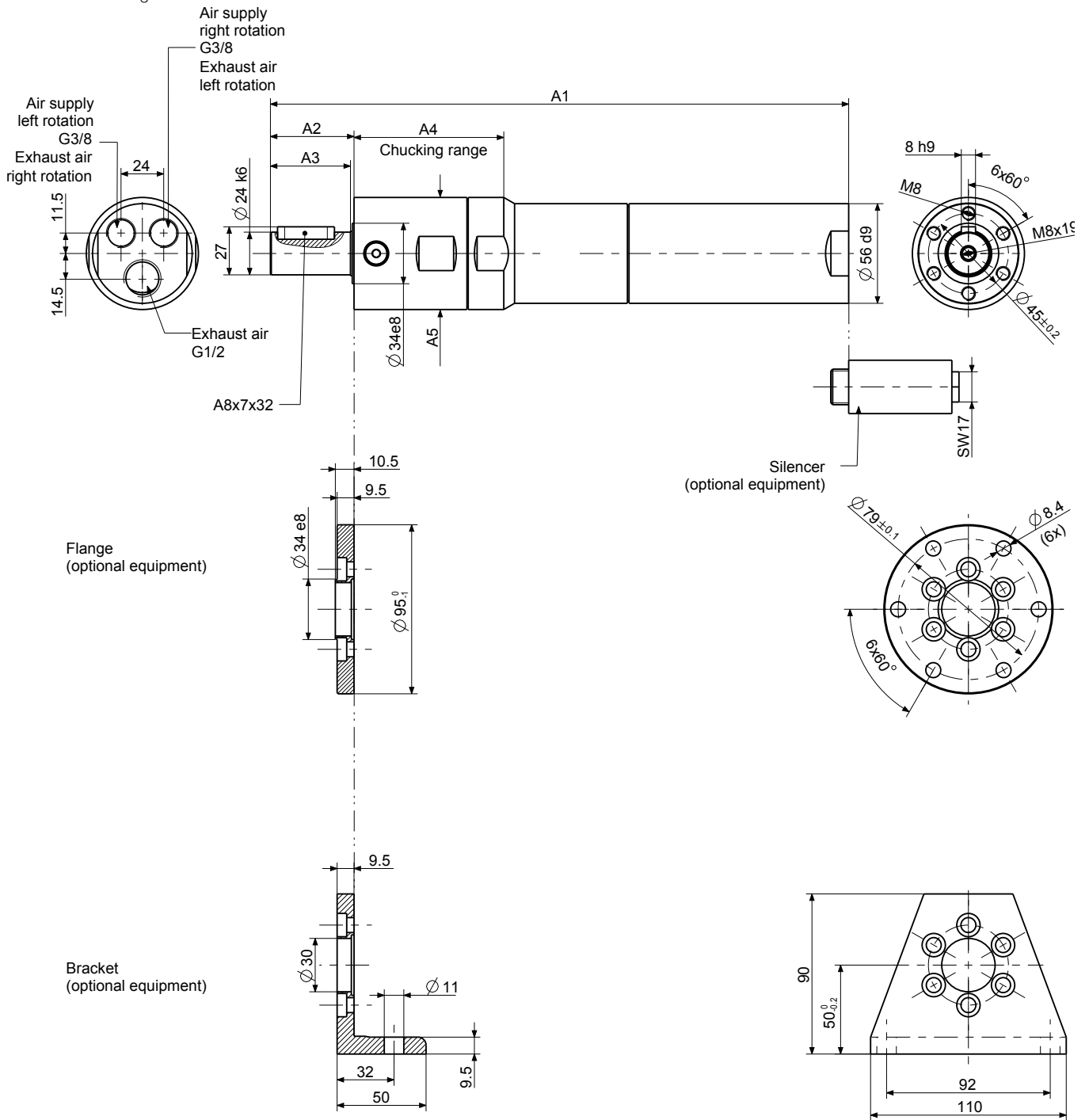
Allowable shaft loading see page 36.

Further notes for soundproofing see page 36/37.

Motor size 7 High torque stainless steel motors

Series 67X-

reversible and right rotation



Dimensions in mm

p444338

Motor size	Series 67X- Type			Dimensions of motor (mm)				
				A1	A2	A3	A4	A5
7	67X-747	67X-757	67X-767	311.5	47	45	61	56e8
	67X-517			325	47	45	84.2	63h8

300/600/900 W ADVANCED LINE HIGH TORQUE AIR MOTOR with integrated holding brake

Motor size 6 with holding brake		reversible								
Series 67X- ATEX conform	Type Part no.	67X-006B 1027501A	67X-086B 1027501N	67X-016B 1027501H	67X-026B 1027501B	67X-036B 1027501C	67X-046B 1027501D	67X-056B 1027501E	67X-066B 1027501F	67X-0661B 1027501G
ATEX specification		A	A	D	C	C	A	A	A	A
Series 67- without ATEX authorization	Type Part no.	67-006B-1 102750A	67-086B-1 102750N	67-016B-1 102750H	67-026B-1 102750B	67-036B-1 102750C	67-046B-1 102750D	67-056B-1 102750E	67-066B-1 102750F	67-0661B-1 102750G
Nominal power	W / HP	600/0.8	600/0.8	600/0.8	600/0.8	600/0.8	600/0.8	600/0.8	600/0.8	300/0.4
Nominal speed	rpm	6750	2750	2000	1500	1000	350	250	170	90
Speed (idling)	rpm	13500	5500	4000	3000	2000	700	500	340	180
Nominal torque	Nm / in.lbs	0.85/7.5	2.0/17.7	2.8/24.78	3.8/33.63	5.7/50.4	16.3/144.3	22.9/202.7	33.7/298.3	31.8/281.4
Start torque min.	Nm / in.lbs	1.25/11.06	3.1/27.4	4.3/38.06	5.7/50.4	8.5/75.2	24.5/216.8	34.3/303.6	50.6/447.8	47.7/422.15
Stall torque	Nm / in.lbs	1.6/14.16	3.9/34.5	5.4/47.8	7.2/63.7	10.8/95.6	31.1/275.2	43.5/385	64/566.4	60.4/534.54
Brake torque	Nm / in.lbs	3/26.55	7.3/64.6	10.3/91.15	13.2/116.8	20/177	58/513.3	79.2/700.9	120/1062	108/955.8
Air consumption	m ³ /min/cfm	0.85/30	0.85/30	0.85/30	0.85/30	0.85/30	0.85/30	0.85/30	0.85/30	0.55/30
Weight	kg / lbs	3.35/7.37	3.35/7.37	3.45/7.59	3.45/7.59	3.45/7.59	3.75/8.25	3.75/8.25	3.75/8.25	3.75/8.25
Hose I.D., supply air/exhaust air	mm / in.	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2
Motor size 7 with holding brake		reversible								
Series 67X- ATEX conform	Type Part no.	67X-007B 1030051A	67X-087B 1030051N	67X-017B 1030051H	67X-027B 1030051B	67X-037B 1030051C	67X-047B 1030051D	67X-057B 1030051E	67X-067B 1030051F	
ATEX specification		A	A	D	C	C	A	A	A	
Series 67- without ATEX authorization	Type Part no.	67-007B-1 103005A	67-087B-1 103005N	67-017B-1 103005H	67-027B-1 103005B	67-037B-1 103005C	67-047B-1 103005D	67-057B-1 103005E	67-067B-1 103005F	
Nominal power	W / HP	900/1.2	900/1.2	900/1.2	900/1.2	900/1.2	900/1.2	900/1.2	900/1.2	
Nominal speed	rpm	6300	2600	1835	1425	950	325	235	155	
Speed (idling)	rpm	12600	5200	3670	2850	1900	650	470	310	
Nominal torque	Nm / in.lbs	1.35/11.95	3.3/29.2	4.6/40.7	6.0/53.1	9.0/79.65	26.4/233.6	36.5/322.14	55.4/490.3	
Start torque min.	Nm / in.lbs	2.0/17.7	4.9/43.4	7.0/62	9.0/79.65	13.5/119.5	39.6/350.5	54.8/485	83.1/735.44	
Stall torque	Nm / in.lbs	2.6/23	6.2/54.9	8.9/78.8	11.4/101	17.1/151.3	50.2/444.3	69.4/614.2	105.3/931.9	
Brake torque	Nm / in.lbs	3/26.55	7.3/64.6	10.3/91.2	13.2/116.8	20/177	58/513.3	79.2/700.9	120/1062	
Air consumption	m ³ /min/cfm	1.4/49.4	1.4/49.4	1.4/49.4	1.4/49.4	1.4/49.4	1.4/49.4	1.4/49.4	1.4/49.4	
Weight	kg / lbs	3.55/7.8	3.55/7.8	3.65/8	3.65/8	3.65/8	3.95/8.7	3.95/8.7	3.95/8.7	
Hose I.D., supply air/exhaust air	mm / in.	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	

Performance data relate to an air pressure of 6 bar (85 PSI) and lubricated air. With oil-free operation the output will be reduced by 10 - 20%.

**) the output will be reduced by approx. 10%

Optional Equipment		for motor size 6	for motor size 7
Flange incl. mounting screws	Part no.	4446166	4446166
Bracket incl. mounting screws	Part no.	4446176	4446176
Silencer: motor operates in one direction (right or left rotation)			
1 Hose nozzle	Part no.		410540 (G ^{3/8})
1 Silencer	Part no.		129563A (G ^{3/8} /G ^{1/2}) **)
Silencer: Motor is reversible (right or left rotation)			
2 Hose nozzles	Part no.		410540 (G ^{3/8})
1 Silencer	Part no.		129563B (G ^{1/2})
Maintenance unit with lubricator*			
Connection thread	Part no.	820455A G 1/2	821608A G 3/4
Maintenance unit without lubricator*			
Connection thread	Part no.	822409A G 1/2	826982A G 3/4
Replacement part set consisting of: vanes, sealant rings, o-rings and silencers		444787A for part no. 102750(1)B-D 444787B for part no. 102750(1)E-F 444787H for part no. 102750(1)A, N	444919A for part no. 103005(1)B-D 444919B for part no. 103005(1)E-G 444919F for part no. 103005(1)A, N
Replacement part set for brake consisting of: discs, pressure spring, o-rings and silencer		444787G	444787G

*) Maintenance unit consists of pressure regulator valve, filter and optionally with or without lubricator

**) the output will be reduced by approx. 10%

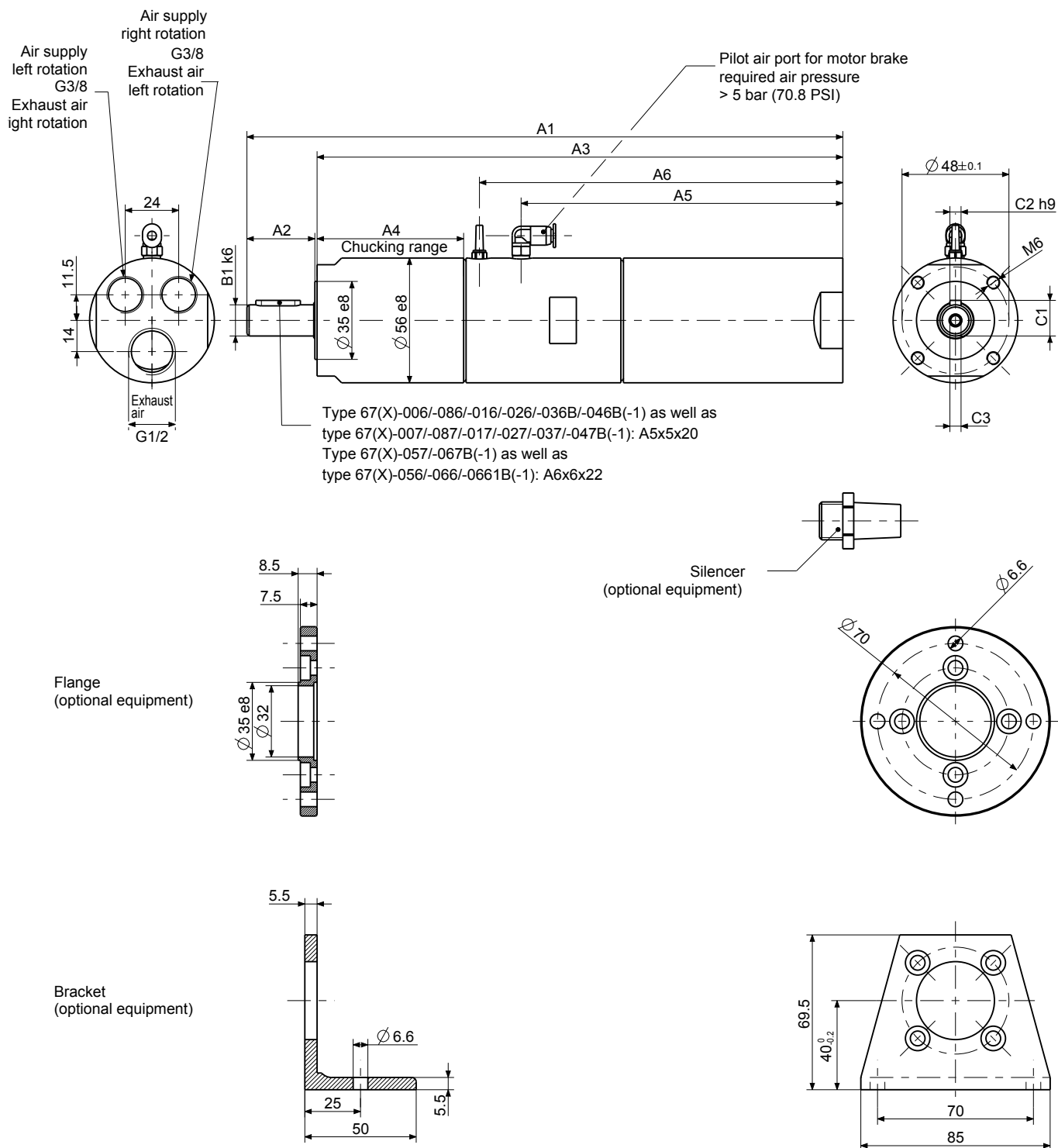
Of course you can also purchase individual replacement parts from us. Our standard maintenance units are not ATEX conform. Please contact us if this is a requirement.

Allowable shaft loading see page 36.

Further notes for soundproofing see page 36/37.

Notes to the pressure regulator valve for our ATEX conform brake motors, please find on page 38.

Motor size 6 and Motor size 7 with holding brake, Series 67(X)-, reversible



Dimensions in mm

p110531

Motor size	Series 67(X)-				Dimensions (mm)									
	Type				A1	A2	A3	A4	A5	A6	B1	C1	C2	C3
6	67(X)-006B(-1)	67(X)-016B(-1)	67(X)-026B(-1)	67(X)-036B(-1)	267.5	30	236.1	65.8	144.5	163.2	14	16	5	M5x12
	67(X)-046B(-1)	67(X)-086B(-1)			285.6		254.1	83.8			19	21.5	6	M5x12
	67(X)-056B(-1)	67(X)-066B(-1)	67(X)-0661B(-1)		287.6	35	250.5	80.4						

Motor size	Series 67(X)-				Dimensions (mm)									
	Type				A1	A2	A3	A4	A5	A6	B1	C1	C2	C3
7	67(X)-007B(-1)	67(X)-017B(-1)	67(X)-027B(-1)	67(X)-037B(-1)	292.6	30	261.1	65.8	169.5	188.1	14	16	5	M5x12
	67(X)-047B(-1)	67(X)-087B(-1)			310.6		279.1	83.8			19	21.5	6	M5x12
	67(X)-057B(-1)	67(X)-067B(-1)			312.6	35	275.5	80.4						

600/900 W ADVANCED LINE HIGH TORQUE AIR MOTOR with integrated holding brake

		Motor size 6 with holding brake reversible				Motor size 7 with holding brake reversible			
Series 67X- ATEX conform 	Type	67X-746B	67X-756B	67X-766B	67X-516B	67X-747B	67X-757B	67X-767B	67X-517B
	Part no.	1027501P	1027501R	1027501S	1027501M	1030051P	1030051R	1030051S	1030051M
ATEX specification		A				A			
Series 67- without ATEX authorization	Type	67-746B-1	67-756B-1	67-766B-1	67-516B-1	67-747B-1	67-757B-1	67-767B-1	67-517B-1
	Part no.	102750P	102750R	102750S	102750M	103005P	103005R	103005S	103005M
Nominal power	W / HP	600/0.8	600/0.8	600/0.8	600/0.8	900/1.2	900/1.2	900/1.2	900/1.2
Nominal speed	rpm	85	65	42	24	80	60	40	22
Speed (idling)	rpm	170	130	84	48	160	120	80	44
Nominal torque	Nm / in.lbs	67.4/596.5	88.1/779.7	136.4/1207.1	238.7/2112.5	107.4/950.5	143.2/1267.3	214.8/1901	390.6/3456.8
Start torque min.	Nm / in.lbs	101.1/894.7	132.2/1170	204.6/1810.7	358.1/3169.2	161.1/1425.7	214.8/1901	300/2655 ¹⁾	585.9/5185.2
Stall torque	Nm / in.lbs	128/1132.8	167.4/1481.5	259.2/2293.9	453.5/4013.5	204.1/1806.3	272.1/2408.1	300/2655 ¹⁾	600/5310 ¹⁾
Max. admissible torque	Nm / in.lbs	-	300/2655	300/2655	600/5310	-	300/2655	300/2655	600/5310
Brake torque	Nm / in.lbs	232/2053.2	-	-	-	232/2053.2	-	-	-
Air consumption	m ³ /min/cfm	0.85/30	0.85/30	0.85/30	0.85/30	1.4/49.42	1.4/49.42	1.4/49.42	1.4/49.42
Weight	kg / lbs	4.6/10.12	4.6/10.12	4.6/10.12	5.4/11.88	4.8/10.56	4.8/10.56	4.8/10.56	5.6/12.32
Hose I.D. supply air/exhaust air	mm / in.	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2	12 / 1/2

Performance data relate to an air pressure of 6 bar (85 PSI) and lubricated air. With oil-free operation the output will be reduced by 10 - 20%.

¹⁾ Please take note of the maximum permissible torque for the gear. Please note that these motor gears are not stall-proof. If a higher application-based torque cannot be limited by the customer (e.g. by use of a slip clutch), please contact our application specialists to discuss an alternative solution.

Optional Equipment		for motor size 6 and 7	
Flange incl. mounting screws	Part no.	4134632	
Bracket incl. mounting screws	Part no.	44461738	
Silencer: motor operates in one direction (right or left rotation)			
1 Hose nozzle	Part no.	410540 (G ^{3/8})	
1 Silencer	Part no.	129563A (G ^{3/8} /G ^{1/2}) **)	
Silencer: Motor is reversible (right or left rotation)			
2 Hose nozzles	Part no.	410540 (G ^{3/8})	
1 Silencer	Part no.	129563B (G ^{1/2})	
Optional Equipment		for motor size 6	for motor size 7
Maintenance unit with lubricator*	Part no.	820455A	821608A
Connection thread		G 1/2	G 3/4
Maintenance unit without lubricator*	Part no.	822409A	826982A
Connection thread		G 1/2	G 3/4
Replacement part set consisting of:		444787D for types 67(X)-746B(-1) to .-766B(-1)	444919C for types 67(X)-747B(-1) to .-767B(-1)
vanes, sealant rings, o-rings and silencers	Part no.	444787E for type 67(X)-516B(-1)	444787E for type 67(X)-517B(-1)
Replacement part set for brake consisting of:			
discs, pressure spring and o-rings	Part no.	444787G	444787G

*) Maintenance unit consists of pressure regulator valve, filter and optionally with or without lubricator

**) the output will be reduced by approx. 10%

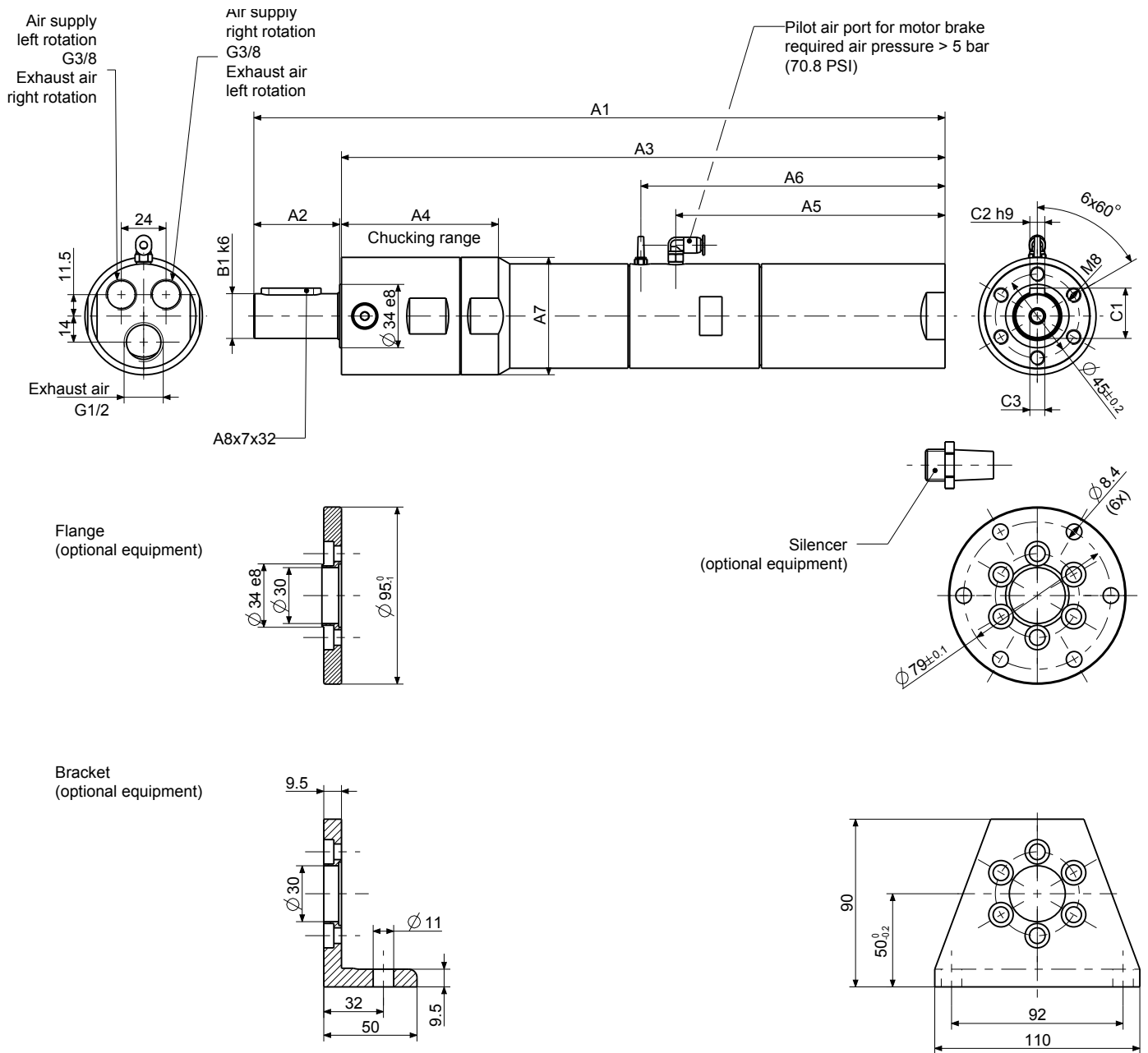
Of course you can also purchase individual replacement parts from us. Our standard maintenance units are not ATEX conform. Please contact us if this is a requirement.

Allowable shaft loading see page 36.

Further notes for soundproofing see page 36/37.

Notes to the pressure regulator valve for our ATEX conform brake motors, please find on page 38.

Motor size 6 and Motor size 7 with holding brake, Series 67(X)-, reversible



Dimensions in mm

p110532

Motor size	Series 67(X)- Type			Dimensions (mm)										
				A1	A2	A3	A4	A5	A6	A7	B1	C1	C2	
6	67(X)-746B(-1)	67(X)-756B(-1)	67(X)-766B(-1)	357	45	310	139.6	144.5	163.2	56e8	24	27	8	M8x12
	67(X)-516B(-1)			370.8		323.8	84.2			63h8				

Motor size	Series 67(X)- Type			Dimensions (mm)										
				A1	A2	A3	A4	A5	A6	A7	B1	C1	C2	
7	67(X)-747B(-1)	67(X)-757B(-1)	67(X)-767B(-1)	382.1	45	335.1	140	169.5	188.2	56e8	24	27	8	M8x12
	67(X)-517B(-1)			395.8		348.8	84.2			63h8				

700/1600/2200 W ADVANCED LINE AIR MOTOR

Motor size 8		reversible						
Series 67X- ATEX conform	Type Part no.	67X-008 306780A	67X-028 306780B	67X-038 306780C	67X-048 306780D	67X-058 306780E	67X-0581 306780F	67X-068 306780G
ATEX specification		A	D	C	C	C	A	A
Nominal power	W / HP	1600/2.14	1600/2.14	1600/2.14	1600/2.14	1600/2.14	700/0.9	1600/2.14
Nominal speed	rpm	4800	1250	600	350	160	100	80
Speed (idling)	rpm	9600	2500	1200	700	320	200	160
Nominal torque	Nm / in.lbs	3.1/27.4	12.2/108	25.4/224.8	43.6/385.86	95.4/844.3	66.9/592.1	191/1690
Start torque min.	Nm / in.lbs	4.7/41.6	18.3/161.95	38.2/338.07	65.4/578.79	143.2/1267.32	100/885	220/1947 ¹⁾
Stall torque	Nm / in.lbs	6.05/53.54	23.2/205.32	48.3/427.45	82.9/733.66	181.4/1605.39	125/1106.25	220/1947 ¹⁾
Max. admissible torque	Nm / in.lbs	-	-	-	-	-	-	220/1947
Air consumption	m ³ /min / cfm	1.6/56.48	1.6/56.48	1.6/56.48	1.6/56.48	1.6/56.48	1.1/38.83	1.6/56.48
Weight	kg / lbs	5.9/12.98	6.1/13.42	6.1/13.42	6.7/14.74	6.7/14.74	6.7/14.74	8/17.6
Hose I.D., supply air/exhaust air	mm / in.	19 / 3/4	19 / 3/4	19 / 3/4	19 / 3/4	19 / 3/4	19 / 3/4	19 / 3/4
Motor size 8		right rotation						
Series 67X- ATEX conform	Type Part no.	67X-008R 3067800A	67X-028R 3067800B	67X-038R 3067800C	67X-048R 3067800D	67X-058R 3067800E		
ATEX specification		A	D	C	C	C		
Nominal power	W / HP	2200/2.95	2200/2.95	2200/2.95	2200/2.95	2200/2.95		
Nominal speed	rpm	5000	1350	610	350	150		
Speed (idling)	rpm	10000	2700	1220	700	300		
Nominal torque	Nm / in.lbs	4.2/37.17	15.5/137.18	33.6/297.36	62/548.7	138.6/1226.61		
Start torque min.	Nm / in.lbs	6.3/55.76	23.3/206.21	50.4/446.04	93.2/824.82	207.9/1839.92		
Stall torque	Nm / in.lbs	8/70.8	29.5/261.08	63.8/464.63	118/1044.3	220/1947 ¹⁾		
Max. admissible torque	Nm / in.lbs	-	-	-	-	220/1947		
Air consumption	m ³ /min / cfm	2.1/74.13	2.1/74.13	2.1/74.13	2.1/74.13	2.1/74.13		
Weight	kg / lbs	5.9/12.98	6.1/13.42	6.1/13.42	6.7/14.74	6.7/14.74		
Hose I.D., supply air/exhaust air	mm / in.	19 / 3/4	19 / 3/4	19 / 3/4	19 / 3/4	19 / 3/4		

Performance data relate to an air pressure of 6 bar (85 PSI) and lubricated air. With oil-free operation the output will be reduced by 10 - 20%.

¹⁾ Please take note of the maximum permissible torque for the gear. Please note that these motor gears are not stall-proof. If a higher application-based torque cannot be limited by the customer (e.g. by use of a slip clutch), please contact our application specialists to discuss an alternative solution.

Optional Equipment		for motor size 8
Flange incl. mounting screws	Part no.	4446272
Bracket incl. mounting screws	Part no.	4446285
Silencer: motor operates in one direction (right or left rotation)		
1 Hose nozzle	Part no.	410545 (G ¹ / ₂)
1 Silencer	Part no.	129610A (G ¹ / ₂ /G ³ / ₄)
Silencer: motor is reversible (right or left rotation)		
2 Hose nozzles	Part no.	410545 (G ¹ / ₂)
1 Silencer	Part no.	129610B (G ³ / ₄)
Maintenance unit with lubricator*	Part no.	821608 A
Connection thread		G 3/4
Maintenance unit without lubricator*	Part no.	826982 A
Connection thread		G 3/4
Replacement part set consisting of:		444788A for part no. 306780(0)B-C
vanes, sealant rings, o-rings and silencers	Part no.	444788B for part no. 306780(0)D-G
		444788E for part no. 306780(0)A

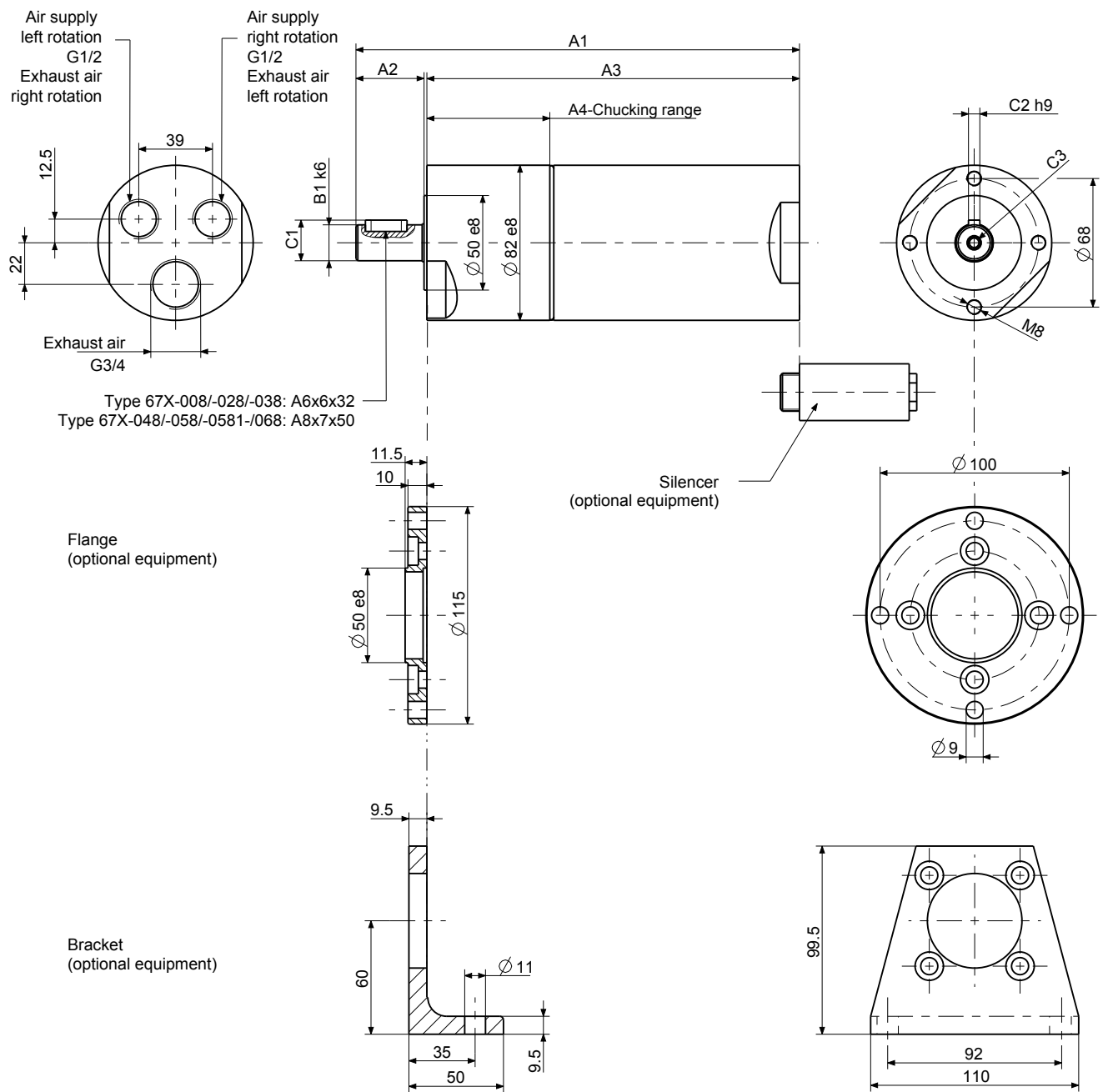
*) Maintenance unit consists of pressure regulator valve, filter and optionally with or without lubricator

Of course you can also purchase individual replacement parts from us. Please contact us if this is a requirement. Our standard maintenance units are not ATEX conform. Please contact us if this is a requirement

Allowable shaft loading see page 36.

Further notes for soundproofing see page 36/37.

Motor size 8
Series 67X-
reversible, right rotation



Dimensions in mm

p440236

Motor size	Series 67X-			Dimensions of motor (mm)							
	Type			A1	A2	A3	A4	B1	C1	C2	C3
8	67X-008(R)	67X-028(R)	67X-038(R)	235	35	197	65	19	21.5	6	M6x15
	67X-048(R)	67X-058(R)	67X-0581	268	60	205	73	28	31	8	M10x20
	67X-068			311.5	61.5	248.5	116.5				

700/1600 W ADVANCED LINE AIR MOTOR with integrated holding brake

Motor size 8 with holding brake		reversible						
Series 67X- ATEX conform 	Type	67X-008B	67X-028B	67X-038B	67X-048B	67X-058B	67X-0581B	67X-068B
	Part no.	1031811A	1031811B	1031811C	1031811D	1031811E	1031811F	1031811G
	ATEX specification	A	D	C	C	C	A	A
Series 67- without ATEX-authorization	Type	67-008B-1	67-028B-1	67-038B-1	67-048B-1	67-058B-1	67-0581B-1	67-068B-1
	Part no.	103181A	103181B	103181C	103181D	103181E	103181F	103181G
Nominal power	W / HP	1600/2.14	1600/2.14	1600/2.14	1600/2.14	1600/2.14	700/0.9	1600/2.14
Nominal speed	rpm	4800	1250	600	350	160	100	80
Speed (idling)	rpm	9600	2500	1200	700	320	200	160
Nominal torque	Nm / in.lbs	3.1/27.4	12.2/108	25.4/224.8	43.6/385.86	95.4/844.3	66.9/592.1	191/1690
Start torque min.	Nm / in.lbs	4.7/41.6	18.3/161.95	38.2/338.07	65.4/578.79	143.2/1267.32	100/885	220/1947 ¹⁾
Stall torque	Nm / in.lbs	6.05/53.54	23.2/205.32	48.3/427.45	82.9/733.66	181.4/1605.39	125/1106.25	220/1947 ¹⁾
Brake torque	Nm / in.lbs	8.2	30.6	66.1	121.8	220/1947 ¹⁾	152	220/1947 ¹⁾
Max. admissible torque	Nm / in.lbs	-	-	-	-	220/1947	-	220/1947
Air consumption	m ³ /min / cfm	1.6/56.48	1.6/56.48	1.6/56.48	1.6/56.48	1.6/56.48	1.1/38.83	1.6/56.48
Weight	kg / lbs	9/19.8	9.2/20.24	9.2/20.24	9.7/21.34	9.7/21.34	9.7/21.34	9.1/20.02
Hose I.D., supply air/exhaust air	mm / in.	19 / 3/4	19 / 3/4	19 / 3/4	19 / 3/4	19 / 3/4	19 / 3/4	19 / 3/4

Performance data relate to an air pressure of 6 bar (85 PSI) and lubricated air. With oil-free operation the output will be reduced by 10 - 20%.

¹⁾ Please take note of the maximum permissible torque for the gear. Please note that these motor gears are not stall-proof. If a higher application-based torque cannot be limited by the customer (e.g. by use of a slip clutch), please contact our application specialists to discuss an alternative solution.

Optional Equipment		for motor size 8
Flange incl. mounting screws	Part no.	4446272
Bracket incl. mounting screws	Part no.	4446285
Silencer: motor operates in one direction (right or left rotation)		
1 Hose nozzle	Part no.	410545 (G ¹ / ₂)
1 Silencer	Part no.	129610A (G ¹ / ₂ /G ³ / ₄)
Silencer: motor is reversible (right or left rotation)		
2 Hose nozzles	Part no.	410545 (G ¹ / ₂)
1 Silencer	Part no.	129610B (G ³ / ₄)
Maintenance unit with lubricator*	Part no.	821608A
Connection thread		G 3/4
Maintenance unit without lubricator*	Part no.	826982A
Connection thread		G 3/4
Replacement part set consisting of:		444788A / for part no. 103181(1)B-C
vanes, sealant rings, o-rings and silencers	Part no.	444788B / for part no. 103181(1)D-G
		444788E / for part no. 103181(1)A
Replacement part set for brake consisting of:		
discs, o-rings, pressure spring and silencer	Part no.	446096D

* Maintenance unit consists of pressure regulator valve, filter and optionally with or without lubricator

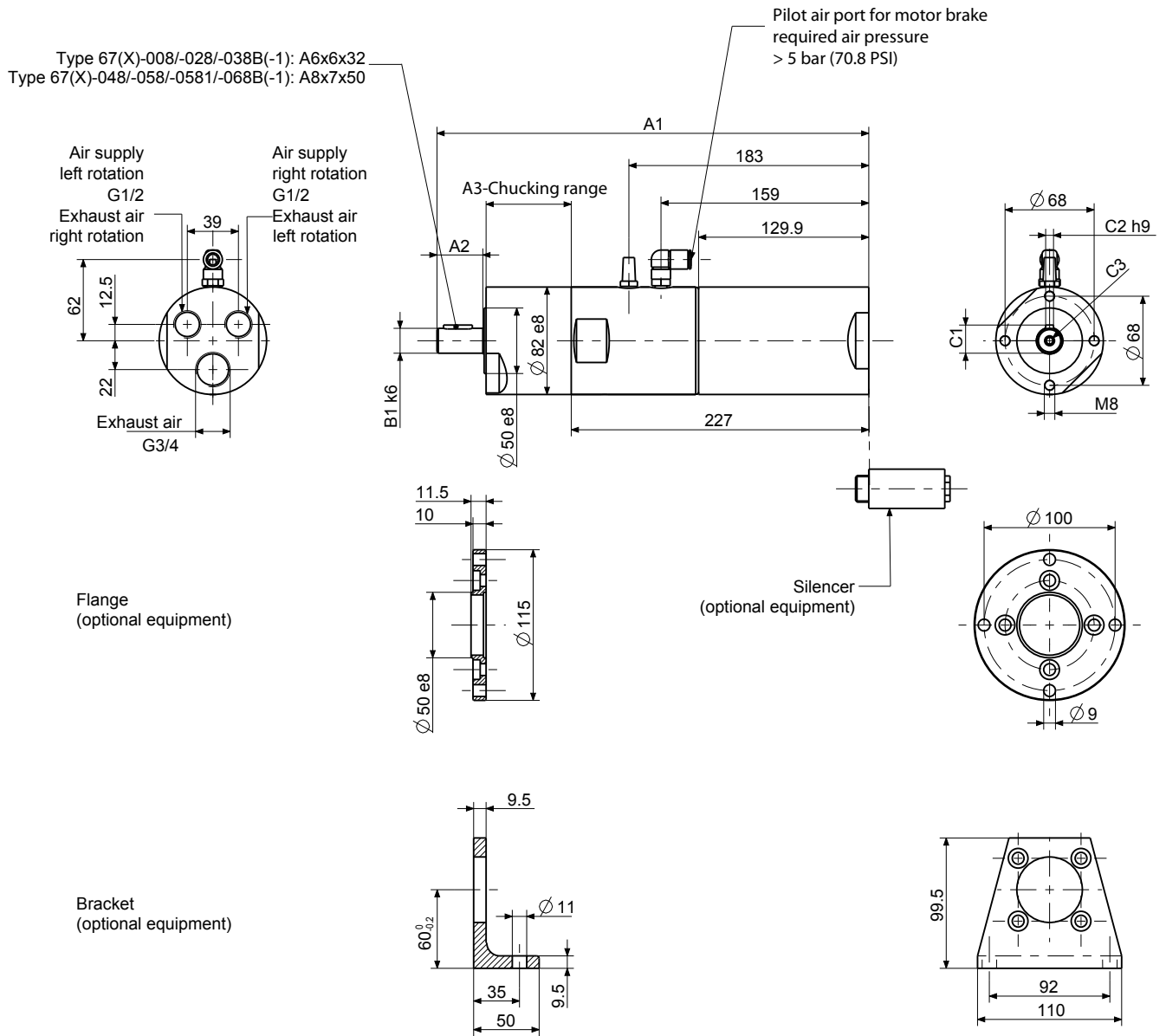
Of course you can also purchase individual replacement parts from us. Our standard maintenance units are not ATEX conform. Please contact us if this is a requirement.

Allowable shaft loading see page 36.

Further notes for soundproofing see page 36/37.

Notes to the pressure regulator valve for our ATEX conform brake motors, please find on page 38.

Motor size 8 with holding brake
Series 67(X)-
reversible



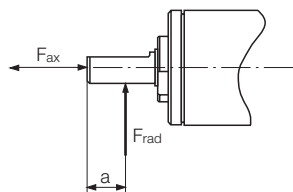
Dimensions in mm

p4401026

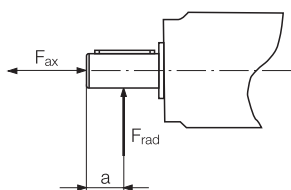
Motor size	Series 67(X)- with holding brake Type			Dimensions of motor (mm)						
				A1	A2	A3	B1	C1	C2	C3
8	67(X)-008B(-1)	67(X)-028B(-1)	67(X)-038B(-1)	330	35	65	19	21.5	6	M6x15
	67(X)-048B(-1)	67(X)-058B(-1)	67(X)-0581B(-1)	363	60	73				
	67(X)-068B(-1)			406.6	63	117	28	31	8	M10x20

Maximum allowable shaft load of the drive shaft

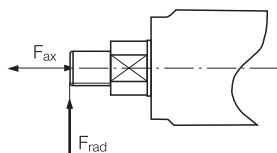
flattened shaft
Motor size 0 and 1



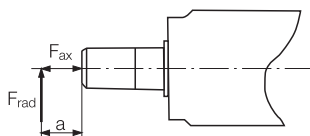
parallel key shaft
Motor size 2 to 8



threaded shaft



drill chuck



Motors with flattened shaft

Motor size	Part no.	Fax [N]	Frad [N]	a [mm]
0	306700B-E 3067000B-E	120	180	6
1	306710(O)A-I	200	240	7

Motors with parallel key shaft

Motor size	Part no.	Part no. with holding brake	Fax [N]	Frad [N]	a [mm]
2	306720(O)A-F,H		340	165	9
2.5	306725(O)A-H	107399A-H / 1073991A-H	510	1170	11
3	306730(O)A-D	103029A-D / 1030291A-D	510	1180	13
	306730(O)E-H,K	103029E-H,K / 1030291E-H,K	680	1040	14
	306730(O)I,L,M	103029P,R,S / 1030291P,R,S	1160	3870	20
	306730(O)N,O	103029N,O / 1030291N,O	1160	3920	20
6	306760(O)A-D,H,N	102750A-D,H,N / 1027501A-D,H,N	690	1190	14
	306760(O)E-G	102750E,F,G / 1027501E,F,G	800	2030	16
	306760(O)I,K,L	102750P,R,S / 1027501P,R,S	1160	3790	20
	306760(O)M	102750M / 1027501M	1160	3900	20
7	306770(O)A-D,H,N	103005A-D,H,N / 1030051A-D,H,N	690	1190	14
	306770(O)E-F	103005E,F / 1030051E,F	800	2030	16
	306770(O)I,K,L	103035P,R,S / 1030351P,R,S	1160	3790	20
	306770(O)M	103035M / 1030351M	1160	3900	20
8	306780A-C,G	1031811A-C,G / 103181A-C,G	1470	2790	16
	306780D-F	1031811D-F / 103181D-F	1560	2730	30
	3067800A-C 3067800D,E		1470	2790 2580	16 30

Motors with threaded spindle

Motor size	Part no.	Fax [N]	Frad [N]	a [mm]
2	3067207A-H	340	110	0
2.5	3067257A-L	510	880	0
3	3067307A-D	510	860	0
	3067307E-H	680	820	0
	30673014A-D	510	860	0
	30673014E,F	680	820	0
6	1141327B-H	690	1000	0

Motors with drill chuck

Motor size	Part no.	Fax [N]	Frad [N]	a [mm]
6	114132B-H	800	350	80

Allowable force for 10 million spindle rotations with 90 % survival probability of bearing.

Noise level of the motors

Noise level for motors of the series 67(X) - without or with silencer (see optional equipment))

for Motor size	Noise level dB (A) without silencer	Noise level dB (A) with silencer		Part no. silencer	
		for right rotational motors	for reversible motors	in one turn direction R/L	reversible
0	98	assembly is not possible	85	129588A	-
1	95		85	117968A	117968A
2	99	78.8	92	129596A	129596B
2.5	100	81.1	82	129601A	129601B
3	103	83.4	91	129602A	129601B
6	104	87.2	94	129563A	129563B
7	106	90.2	88	129563A	129563B
8	108	85.6	95	129610A	129610B

Use in potentially explosive environments



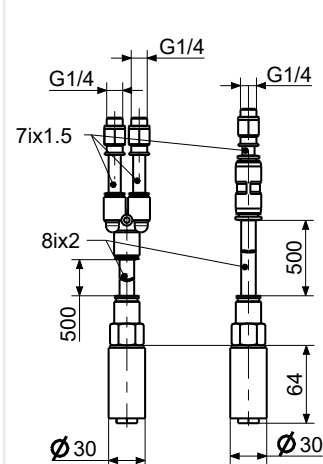
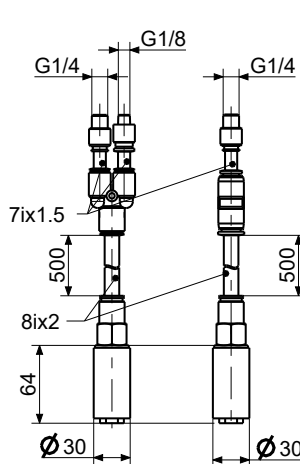
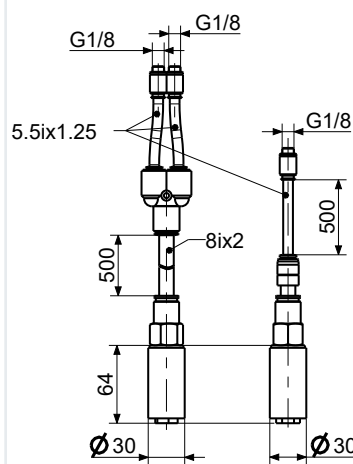
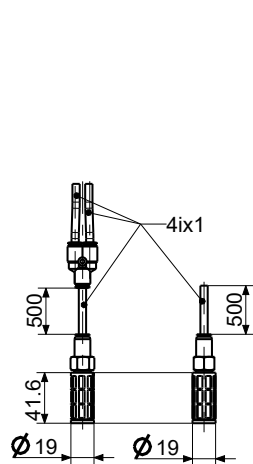
The correspondingly marked motors are suitable for use in potentially explosive environments.

Optional Silencer sets for further reduction of the noise level

Silencer sets for motors of the build series 67(X)-

for Motor size	Motor operates in one turn direction R/L (clockwise or anticlockwise rotation), Part no.	Motor operates reversible U (clockwise and anticlockwise rotation), Part no.	Noise level approx. dB (A)	
			in one turn direction R/L	reversible
1	446354B	446354A	71	71
2	440015B	440015A	69	70
2,5	440016B	440016A	72	71
3	440018B	440018A	74	70
6	4400191B	4400191A	82	76
7	4400191B	4400191A	86	79
8	440020B	440020A	85	87

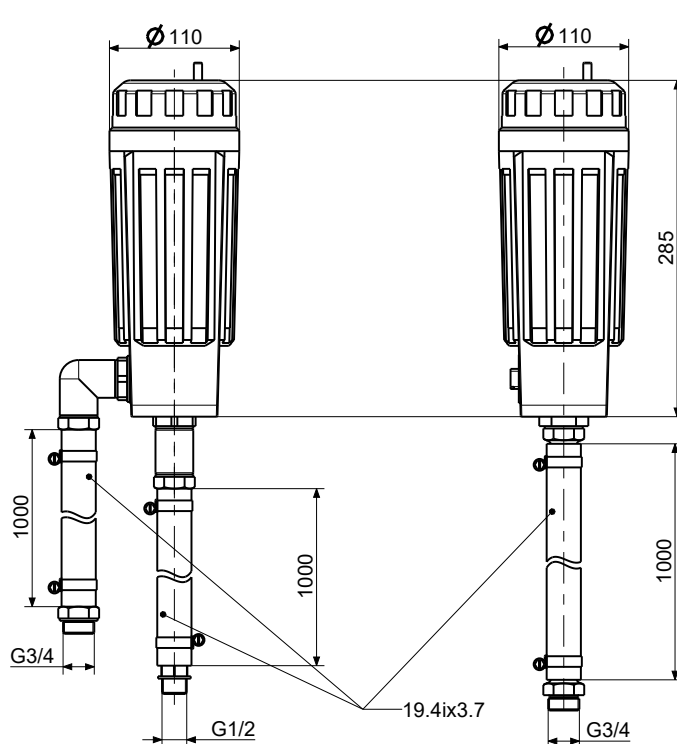
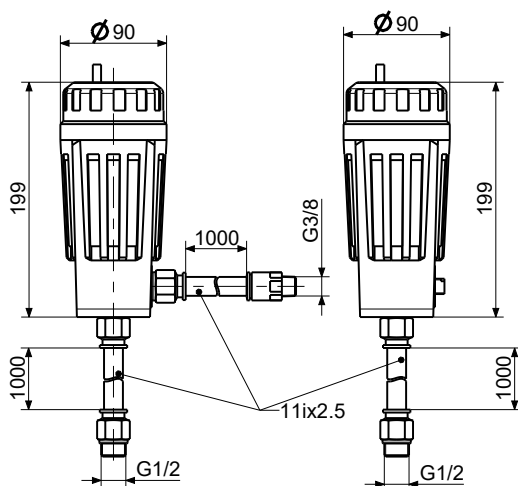
Motor size 1		Motor size 2		Motor size 2.5		Motor size 3	
R/L	U	R/L	U	R/L	U	R/L	U



Motor size 8

R/L

U



Dimensions in mm
p122985

Speed standard values (rpm) for HSS spiral-drills

Cutting Speed	35 m/min (115 ft./min)	28 m/min (90 ft./min)	25 m/min (80 ft./min)	14 m/min (45 ft./min)	11 m/min (35 ft./min)	7 m/min (23 ft./min)	22 m/min (70 ft./min)	12 m/min (40 ft./min)	50 m/min (165 ft./min)	90 m/min (300 ft./min)	165 m/min (540 ft./min)	210 m/min (690 ft./min)
Drill dia. mm/in.	Carbon steel			Alloy steel		Stainless steel	Cast-Iron		Copper Bronze Brass	Lightweight-Metal common alloy mild brass ¹⁾		Magnesium-Alloy ²⁾
	up to 500 N/mm ² (30 long tons/ sq. in.)	500 - 700 N/mm ² (30 - 45 long tons/ sq. in.)	above 700 N/mm ² (45 long tons/ sq. in.)	700 - 900 N/mm ² (45 - 55 long tons/ sq. in.)	900 - 1100 N/mm ² (55 - 70 long tons/ sq. in.)		up to 180 N/mm ² (10 long tons/ sq. in.)	above 180 N/mm ² (10 long tons/ sq. in.)			hard	
1/0.04	11000	8800	7800	4400	3400	2200	7000	3800	16000	28000	52000	66000
2 ⁵ /64	5500	4400	3900	2200	1700	1100	3500	1900	8000	14000	26000	33000
3 ¹ /8	3700	3000	2600	1500	1100	730	2300	1300	5300	9000	17300	22000
4 ⁵ /32	2800	2200	2000	1100	850	550	1700	950	4000	7000	13000	16500
5 ¹³ /64	2200	1800	1600	880	680	440	1400	760	3200	5600	10400	13200
6 ¹⁵ /64	1900	1500	1300	735	570	365	1200	630	2700	4800	8700	11000
7 ⁹ /32	1600	1300	1100	630	485	315	1000	540	2300	4000	7400	9400
8 ⁵ /16	1400	1100	975	550	425	275	875	475	2000	3500	6500	8300
9 ²³ /64	1200	975	865	490	380	245	780	420	1800	3100	5800	7400
10 ²⁵ /64	1100	880	780	440	340	220	700	380	1600	2800	5200	6600

¹⁾ Speed therefore for triplet of duro-plates, hard-paper and hard tissues, however instead of the HSS-drills we recommend quickly steel-drills equipped with hard-metal K 10

²⁾ for thermos-plates, we recommend double the values

Pressure regulator valve for ATEX conform brake motors

A pressure regulator valve is included within our shipment of the ATEX conform brake motors.

This safety valve turns off the air supply in the brake leads automatically when the pressure falls under 5 bar.

This prevents an irregular temperatur increase.



The layout of your air motor:

Calculating the motor power

$$P = \frac{M \times n}{9550}$$

P = Power Output in kW

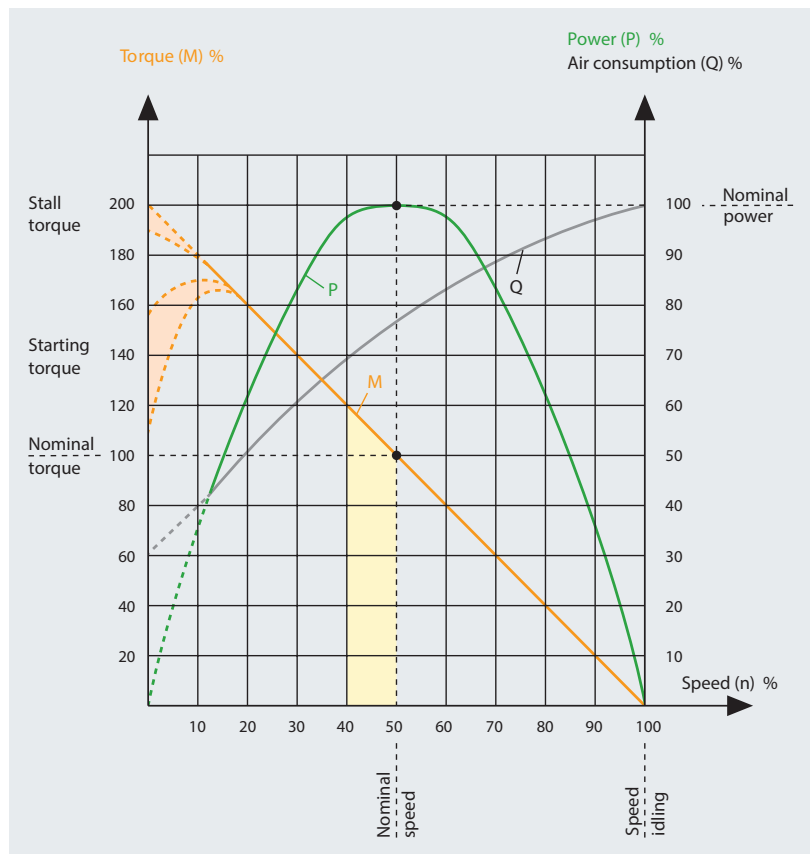
M = Nominal-Torque in Nm

n = Nominal-Speed in rpm

The optimal working range of an air motor is close to the nominal speed. If you need lower speeds than are mentioned in the catalogue you can reduce the speed by throttling the exhaust air with only a slight loss of power. By throttling the supply air or decreasing the operating pressure the speed, torque and power are reduced.

All performance data of the DEPRAG air motors is based on operating pressure of 6 bar and the opening cross-section mentioned in the motor data. If your application conditions are different from this then you will find a comprehensive guide to the layout of our motors in product catalog D6000E.

 = optimal working range of the air motor



Do you need support in selecting the right drive system?

Tell us your operational conditions and our application consultants will be happy to help. Please use the following request form and send it to: airmotors@deprag.de

Application:			
In what kind of environment will the motor be installed?	ATEX requirement / explosion safety? if yes, which safety class: food industry conformity? sterilisable? acid resistant? steam resistant?	☐ yes ☐ no ☐ yes ☐ no ☐ yes ☐ no ☐ yes ☐ no ☐ yes ☐ no	
Application conditions:	constant operation (24 hrs, non-stop) duty cycle in hrs/day: days/year: cycle time (s): motor loaded to stall? self-locking?	☐ yes ☐ no ☐ yes ☐ no ☐ yes ☐ no	
Required turn direction:	☐ left ☐ right ☐ reversible (view from air inlet)		
Motor performance:	power: nominal torque: nominal speed:	 	W Nm rpm
Performance influencing application conditions:	operating pressure (at motor inlet): operation with lubricated air possible? smallest opening cross-section of connection pieces and hoses?	 ☐ yes ☐ no 	bar mm
External motor design:	☐ standard steel ☐ non-corrosive ☐ aluminium ☐ plastics ☐ ceramics other:		
Drive spindle design:	drive shaft requirements: (e. g. keyed shafts, square end, hexagonal, collet, drill chuck taper, etc.) required dimensions:		
Motor fixture design:	mounting requirements: (bracket, flange, etc.) required dimensions:		
Additional components:	☐ holding brake ☐ operational brake gear box:		
Price range:			
Annual requirement:			

DEPRAG

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