



**AIR MOTORS
CATALOGUE**



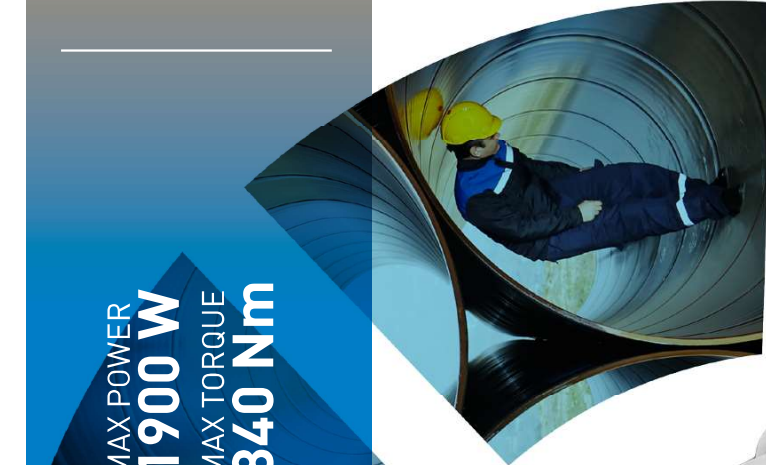
modtec
moteurs & solutions pneumatiques

Twin brothers of the "10", the "20" series air motors offer the same versatility and are available with the same speed and torque ranges but **with even greater power**.

It contains the 3 same application families (Easy, Standard and Heavy duty) with the same configurations of right angle drive heads and integrated handles. **Ideal for applications as different as blasting, conveyors, lifting or integration in special machines.**

Like their little brothers, the "20" range air motors can get an **integrated speed controller**, which is indispensable for certain manual applications.

MAX POWER
1900 W
MAX TORQUE
840 Nm



+ ACCESSORIES FOR THIS MOTOR		Reference
Filtration, pressure Regulation and Lubrication unit (FRL)		AC107
Safety Air Treatment Box (SAT Box)		AC118
With Peckit remote control		AC119
With handle remote control		AC120
With remote emergency kit switch		AC125
With remote E-Stop and pedal remote control		AC121
With remote E-Stop and handle remote control		AC122
Maintenance Kits		
Maintenance kit for "20" series		AC304
Maintenance kit for tube free "20" series		AC314
Maintenance kit for kit start "20" series		AC324
Exhaust collector kit for "20" series		AC341
modec Oil Co-16		AC149
Control handles		
Safety control handle for non reversible "20" series		AC406
Safety control handle for reversible "20" series		AC404
Progressive control handle for non reversible "20" series		AC400
Progressive control handle for reversible "20" series		AC408
Filters and Silencers		
Metallic standard silencer		AC182
Metallic standard inlet silencer (RV)		AC181
Plastic standard silencer		AC152
Plastic standard inlet silencer (RV)		AC183
Heavy duty silencer		AC154
Heavy duty inlet silencer (RV)		AC155
High flow air muffler		AC159
Exhaust silencer filter		AC161
Speed control muffler		AC174

CONNECTION AND LUBRICATION

In	Min. fittings Ø		Min. pipe Ø		Lubrication (6,2 bars)
	In	Out	In	Out	
10 mm / 0,4 in	16 mm / 0,6 in	13 mm / 0,5 in	20 mm / 0,8 in	7 drops / minute	

CONVERSION TABLE

Watt	➔	Horse power	Newton meter	➔	Pound feet
Watt x 0,001341	=	hp	Nm x 0,7376	=	lb.ft
Bar	➔	Pound per square Inch	Norma Liter / minute	➔	Standard cubic feet per minute
Bar x 14,5	=	psi	Nl / min x 0,03531	=	scfm
					Kilogram ➔ Pound
					Kg x 2,205 = lb

easy duty

<< 20 >> serie

MOTORS MTE 20 / NTE 20

POWER 1300-1800 W



MTE 20 XT



MTE 20 RV



NTE 20 XT



NTE 20 RV

REDUCTION RATIO
(3 digits)
See table

OPTIONS
(2 digits)
See table

X T E 2 0 X X X X X X X X X X

ROTATION*

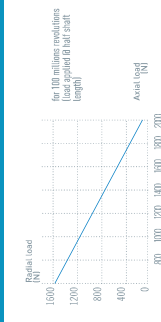
- RT Right (Clockwise)
- LT Left (CCW)
- RV Reversible

* rotation direction is defined when looking from the back of the motor

FLANGE
(1 to 7 digits)

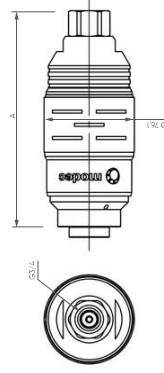
OUTPUT SHAFT
(1 to 3 digits)

MAXIMUM RADIAL & AXIAL LOAD

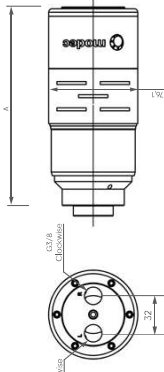


LAYOUT

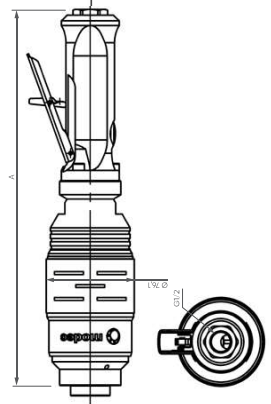
MTE 20 XT



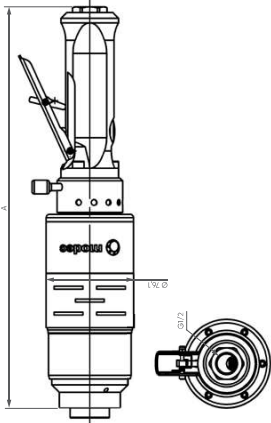
MTE 20 RV



NTE 20 XT



NTE 20 RV



PERFORMANCES MTE / NTE 20

Air motor reference	Reduction ratio	Air supply pressure	Speed (rpm)		Torque (N.m)		Max Power (W)	Air csts (Nl/min)	Dimensions		
			@ max Power	Free	@ max Power	Max (still)			A (mm)	Ø (mm)	Weight (kg)
MTE 20 XT 001	001	6.2 bars	5900	11600	2.9	4.4	1700	1900	184,1	76,1	2,1
			5400	10800	2,4	4,1	1350	1600			
			5000	10000	2,0	3,3	1100	1200			
MTE 20 RV 001	001	6.2 bars	5100	10200	2,5	3,3	1350	1700	170,1	76,1	2,5
			4800	9600	2,0	2,7	1000	1400			
			5600	11200	2,6	4,1	1550	1800			
NTE 20 XT 001	001	6.2 bars	5300	10600	2,2	3,8	1200	1500	327,1	76,1	2,7
			5000	10000	1,8	3,2	950	1200			
			4700	9400	2,7	3,4	1350	1800			
NTE 20 RV 001	001	6.2 bars	4400	8800	2,2	2,8	1000	1500	348,6	76,1	3,3
			4100	8200	1,8	2,3	750	1200			

Data indicated in this table have an accuracy of +/- 5%

OPTIONS AVAILABLE FOR THE MTE 20

Collected exhaust	ATEX certification	Left/Right switch	Lubrication free	Kit start	Speed control**	Influx	Code
▶	▶	▶	▶	▶	▶	▶	01
▶	▶	▶	▶	▶	▶	▶	02
▶	▶	▶	▶	▶	▶	▶	03
▶	▶	▶	▶	▶	▶	▶	04
▶	▶	▶	▶	▶	▶	▶	05
▶	▶	▶	▶	▶	▶	▶	06
▶	▶	▶	▶	▶	▶	▶	07
▶	▶	▶	▶	▶	▶	▶	08
▶	▶	▶	▶	▶	▶	▶	09
▶	▶	▶	▶	▶	▶	▶	10
▶	▶	▶	▶	▶	▶	▶	11
▶	▶	▶	▶	▶	▶	▶	12
▶	▶	▶	▶	▶	▶	▶	13
▶	▶	▶	▶	▶	▶	▶	14
▶	▶	▶	▶	▶	▶	▶	15
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▶	▶	▶	▶	▶	▶	▶	20
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▶	▶	▶	▶	▶	▶	▶	36
▶	▶	▶	▶	▶	▶	▶	37

OPTIONS AVAILABLE FOR THE NTE 20 XT

Collected exhaust	ATEX certification	Lubrication free	Kit start	Speed control	Code
▶	▶	▶	▶	▶	01
▶	▶	▶	▶	▶	02
▶	▶	▶	▶	▶	03
▶	▶	▶	▶	▶	04
▶	▶	▶	▶	▶	05
▶	▶	▶	▶	▶	06
▶	▶	▶	▶	▶	07
▶	▶	▶	▶	▶	08
▶	▶	▶	▶	▶	09
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▶	▶	▶	▶	▶	11
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▶	▶	▶	▶	▶	13
▶	▶	▶	▶	▶	14
▶	▶	▶	▶	▶	15
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▶	▶	▶	▶	▶	24
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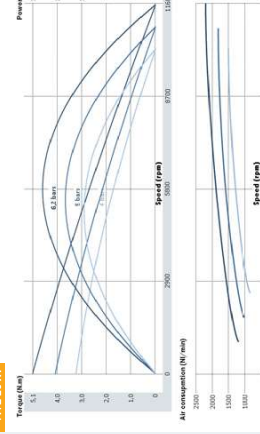
FOR THE NTE 20 RV

- ▶ ATEX certification
- ▶ Left/Right switch
- ▶ Lubrication free
- ▶ Kit Start
- ▶ Code

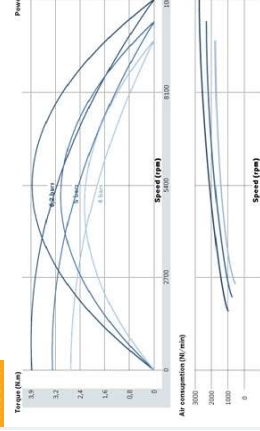
** Reversible motors only

POWER, SPEED, TORQUE AND AIR CONSUMPTION GRAPHS

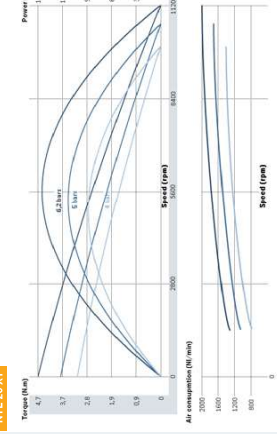
MTE 20 XT



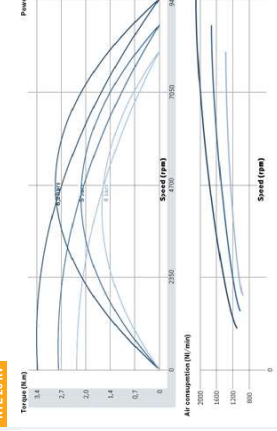
MTE 20 RV



NTE 20 XT



NTE 20 RV



standard duty << 20 >> serie

MOTORS MTS 20

POWER 1700-1800 W



MTS 20 XT

MTS 20 RV

REDUCTION RATIO
(3 digits)
See table

OPTIONS
(2 digits)
See table



OUTPUT SHAFT
(1 to 3 digits)

FLANGE
(1 to 2 digits)

ROTATION*
RT Right (Clockwise)
LT Left (CCW)
RV Reversible

* rotation direction is defined when looking from the back of the motor

MTS 20 XT		Air supply pressure		Speed (rpm)		Torque (N.m)		Max Power (W)		Air cons (Nl/min)		Dimensions			
Air motor reference	Reduction ratio	6,2 bars	5 bars	@ max Power	Free	@ max Power	Max (stall)	Starting torque	Max Power (W)	Max (stall)	Free	Air cons (Nl/min)	A (mm)	Ø (mm)	Weight (kg)
MTS 20 XT 004	4	1385	2770	11	21	1990	1900	1450	1600	1600	186,5	1900	186,5	76,1	2,9
MTS 20 XT 005	5	1213	2426	8,2	14	1212	1040	1040	1200	1200	186,5	1200	186,5	76,1	2,9
MTS 20 XT 006	6	1065	2107	9,4	16	1065	1000	1000	1150	1150	186,5	1150	186,5	76,1	2,9
MTS 20 XT 007	7	939	1878	11	24	939	800	800	1000	1000	186,5	800	186,5	76,1	2,9
MTS 20 XT 011	11	516	1028	24	42	516	310	310	400	400	186,5	310	186,5	76,1	2,9
MTS 20 XT 017	17	310	621	40	71	310	190	190	250	250	218,5	190	218,5	76,1	3,5
MTS 20 XT 023	23	201	402	53	94	201	120	120	150	150	218,5	120	218,5	76,1	3,5
MTS 20 XT 028	28	150	300	64	113	150	90	90	110	110	218,5	90	218,5	76,1	3,5
MTS 20 XT 033	33	119	237	77	135	119	70	70	90	90	218,5	70	218,5	76,1	3,5
MTS 20 XT 042	42	77	153	108	194	77	45	45	60	60	218,5	45	218,5	76,1	3,5
MTS 20 XT 054	54	54	108	150	270	54	30	30	40	40	218,5	30	218,5	76,1	3,5

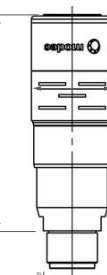
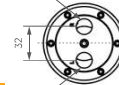
Data indicated in this table have an accuracy of ± 3%

LAYOUT

MTS 20 XT



MTS 20 RV



OPTIONS AVAILABLE FOR THIS MOTOR

- Collected exhaust
- ATEX certification
- Left/Right switch*
- Lubrication free
- KIT start
- Speed control**

* Reversible motors only
** Non reversible motors only

00	01	02	03	04	05	06	07	09	10	12	13	14	15	16	17	18	19	21	22	29	30	31	32
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www.modec.fr +33 (0)4 75 40 27 15

MTS 20 RV

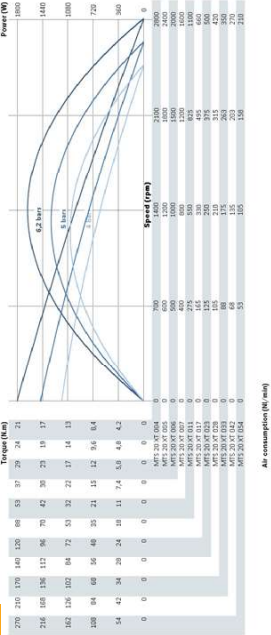
PERFORMANCES

Air motor reference		Air supply pressure		Speed (rpm)		Torque (N.m)		Max Power (W)		Air cons (Nl/min)		Dimensions			
Air motor reference	Reduction ratio	6,2 bars	5 bars	@ max Power	Free	@ max Power	Max (stall)	Starting torque	Max Power (W)	Max (stall)	Free	Air cons (Nl/min)	A (mm)	Ø (mm)	Weight (kg)
MTS 20 RV 004	4	1301	2602	13	16	1779	1600	1400	1779	1600	172,5	1600	172,5	76,1	3,3
MTS 20 RV 005	5	1163	2326	8,5	11	1029	850	850	1029	850	172,5	850	172,5	76,1	3,3
MTS 20 RV 006	6	1010	2020	9,7	13	1029	800	800	1029	800	172,5	800	172,5	76,1	3,3
MTS 20 RV 007	7	894	1788	15	19	895	700	700	895	700	172,5	700	172,5	76,1	3,3
MTS 20 RV 011	11	524	1048	43	86	524	210	210	524	210	172,5	210	172,5	76,1	3,3
MTS 20 RV 017	17	312	624	54	108	312	170	170	312	170	204,5	170	204,5	76,1	3,9
MTS 20 RV 023	23	222	444	72	144	222	130	130	222	130	204,5	130	204,5	76,1	3,9
MTS 20 RV 028	28	179	358	85	170	179	100	100	179	100	204,5	100	204,5	76,1	3,9
MTS 20 RV 033	33	130	260	104	208	130	75	75	130	75	204,5	75	204,5	76,1	3,9
MTS 20 RV 042	42	90	180	138	276	90	50	50	90	50	204,5	50	204,5	76,1	3,9
MTS 20 RV 054	54	63	126	156	312	63	35	35	63	35	204,5	35	204,5	76,1	3,9

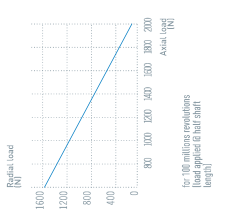
Data indicated in this table have an accuracy of ± 3%

POWER, SPEED, TORQUE AND AIR CONSUMPTION GRAPHS

MTS 20 XT



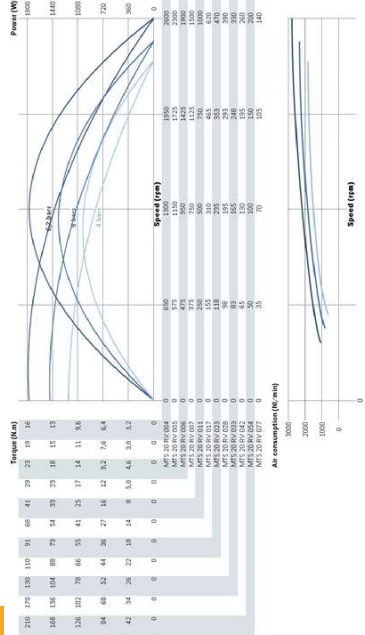
MAXIMUM RADIAL & AXIAL LOAD



NOTES

for 100 millilitres regulations
Load applied @ test shaft length

MTS 20 RV



MOTORS NTS 20

POWER 1300-1500 W



NTS 20 XT

NTS 20 RV

REDUCTION RATIO

(2 digits)
See table



ROTATION*

RT Right (Clockwise)
LT Left (CCW)
RV Reversible



OUTPUT SHAFT

(1 to 3 digits)



FLANGE

(1 to 4 digits)



* rotation direction is defined when looking from the back of the motor

PERFORMANCES

Air motor reference	Reduction ratio	Air supply pressure	Speed (rpm)			Torque (N.m)			Max Power (W)	Air cons (Nl/min)	Dimensions	
			@ max Power	Free	@ max Power	Max (istalt)	Starting torque	A (mm)			Ø (mm)	Weight (kg)
NTS 20 XT 004	4	6,2 bars	1359	2719	10	17	1480	1600	329,5	76,1	3,4	
NTS 20 XT 005	5	5 bars	1208	2409	12	18	1412	1500	329,5	76,1	3,4	
NTS 20 XT 006	6	4 bars	1119	2239	10	18	1362	1500	329,5	76,1	3,4	
NTS 20 XT 007	7	4 bars	1047	2093	8,3	15	1300	1500	329,5	76,1	3,4	
NTS 20 XT 011	11	4 bars	874	1747	10	18	1162	1200	329,5	76,1	3,4	
NTS 20 XT 017	17	4 bars	773	1547	18	30	1480	1800	329,5	76,1	3,4	
NTS 20 XT 023	23	4 bars	648	1316	13	23	1162	1200	329,5	76,1	3,4	
NTS 20 XT 028	28	4 bars	512	1023	22	40	1480	1800	329,5	76,1	3,4	
NTS 20 XT 033	33	4 bars	478	957	18	33	1162	1200	361,5	76,1	3,7	
NTS 20 XT 042	42	4 bars	306	618	36	66	1162	1500	361,5	76,1	3,7	
NTS 20 XT 054	54	4 bars	289	578	30	55	1162	1800	361,5	76,1	3,7	
NTS 20 RV 004	4	6,2 bars	1135	2270	11	14	1352	1800	351	76,1	4	
NTS 20 RV 005	5	5 bars	1052	2104	9,3	12	1077	1500	351	76,1	4	
NTS 20 RV 006	6	4 bars	986	1972	13	16	1352	1800	351	76,1	4	
NTS 20 RV 007	7	4 bars	850	1700	8,4	11	9,8	1200	351	76,1	4	
NTS 20 RV 011	11	4 bars	646	1292	20	25	22	1352	351	76,1	4,3	
NTS 20 RV 017	17	4 bars	599	1197	16	21	18	1027	351	76,1	4,3	
NTS 20 RV 023	23	4 bars	557	1117	16	21	18	1027	351	76,1	4,3	
NTS 20 RV 028	28	4 bars	418	836	29	36	26	1027	351	76,1	4,3	
NTS 20 RV 033	33	4 bars	388	777	18	24	21	749	383	76,1	4,3	
NTS 20 RV 042	42	4 bars	272	544	47	59	52	1352	383	76,1	4,3	
NTS 20 RV 077	77	4 bars	235	469	31	40	35	749	383	76,1	4,3	

Base indicated in this table have an accuracy of ± 5%

OPTIONS AVAILABLE FOR THE NTS 20 XT

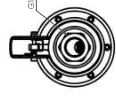
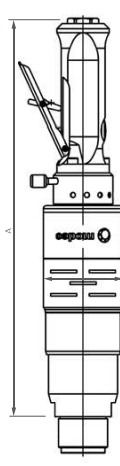
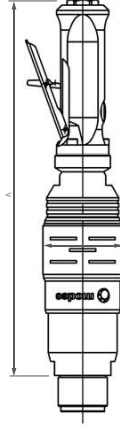
Collected exhaust	<input type="checkbox"/>	00	01	02	04	05	06	07	10	13	14	15	18	19	21	22	31	32
ATEX certification	<input type="checkbox"/>	03	12	16	17	29	30											
Left/Right switch	<input type="checkbox"/>																	
Lubrication free	<input type="checkbox"/>																	
Kit start	<input type="checkbox"/>																	
Speed control	<input type="checkbox"/>																	
Code																		

OPTIONS AVAILABLE FOR THE NTS 20 RV

Collected exhaust	<input type="checkbox"/>	00	01	02	04	05	06	07	10	13	14	15	18	19	21	22	31	32
ATEX certification	<input type="checkbox"/>	03	12	16	17	29	30											
Left/Right switch	<input type="checkbox"/>																	
Lubrication free	<input type="checkbox"/>																	
Kit start	<input type="checkbox"/>																	
Speed control	<input type="checkbox"/>																	
Code																		

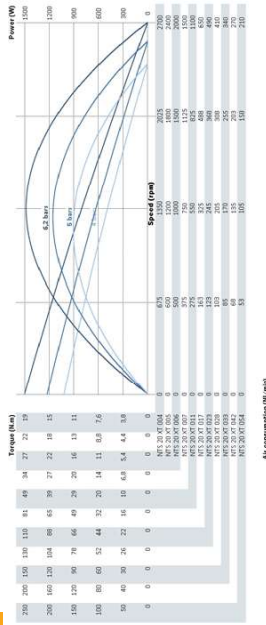
LAYOUT

NTS 20 XT

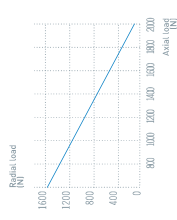


POWER, SPEED, TORQUE AND AIR CONSUMPTION GRAPHS

NTS 20 XT

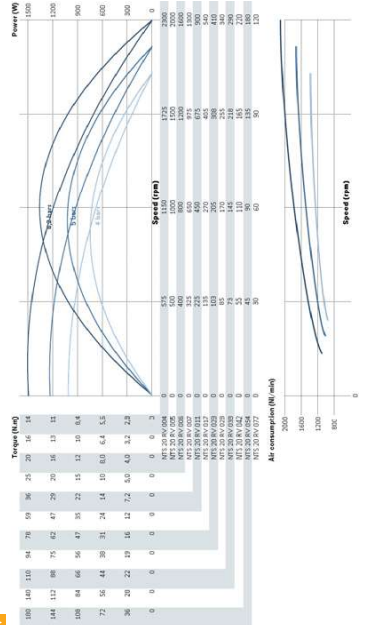


MAXIMUM RADIAL & AXIAL LOAD



NOTES

NTS 20 RV



super heavy duty « 20 » serie

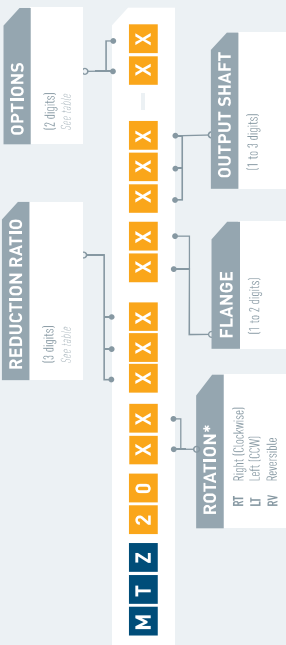
MOTORS MTZ 20

POWER 1700-1900 W



MTZ 20 XT

MTZ 20 RV



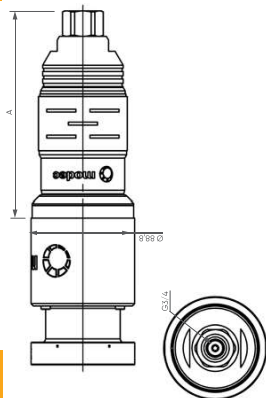
OPTIONS AVAILABLE FOR THIS MOTOR

Collected exhaust	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	21	22	23	27	28	29	30	31	32	36	37	
ATEX certification																																
Left/right switch*																																
Lubrication free																																
Kit start																																
Speed control**																																
Inox																																
Code																																

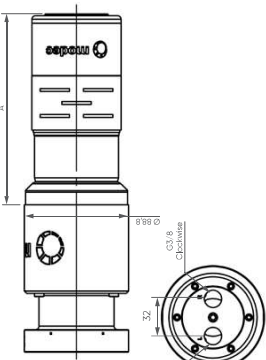
* Reversible motors only. ** Non reversible motors only

LAYOUT

MTZ 20 XT

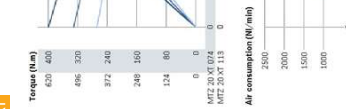


MTZ 20 RV

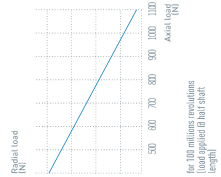


POWER, SPEED, TORQUE AND AIR CONSUMPTION GRAPHS

MTZ 20 XT



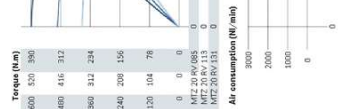
MAXIMUM RADIAL & AXIAL LOAD



for 10 millies revolution
from speed to bar start

NOTES

MTZ 20 RV



PERFORMANCES

Air motor reference	Reduction ratio	Air supply pressure	Speed (rpm)			Torque (N.m)		Max Power (W)	Air cons (l/min)	Dimensions		
			@ max Power	Free	@ max Power	Max (Istatl)	Starting torque			A (mm)	θ (mm)	Weight (kg)
MTZ 20 XT												
MTZ 20 XT 074	74	6.2 bars	79	157	212	404	356	1748	1900	178,7	88,8	5,3
MTZ 20 XT 113	113	6.2 bars	69	139	185	335	295	1407	1600	178,7	88,8	5,3
		4 bars	69	139	185	271	238	1175	1200			
		6.2 bars	34	63	82	51	53	149	1700			
		4 bars	34	63	82	51	53	149	1700			
		4 bars	45	91	123	172	144	1125	1200			
MTZ 20 RV												
MTZ 20 RV 085	85	6.2 bars	43	127	283	392	345	1880	2100	164,7	88,8	5,9
		5 bars	40	120	259	322	283	1436	1700			
		4 bars	36	112	185	257	227	1086	1400			
MTZ 20 RV 113	113	6.2 bars	48	96	376	520	458	1880	2100	164,7	88,8	5,9
		4 bars	42	80	245	342	301	1086	1400			
		4 bars	42	83	433	599	527	1880	2100			
MTZ 20 RV 131	131	6.2 bars	39	78	350	462	433	1436	1700	164,7	88,8	5,9
		5 bars	37	73	283	393	346	1086	1400			
		4 bars										

Data indicated in this table have an accuracy of +/- 5%

super heavy duty

<< 20 >> serie

MOTORS NTZ 20

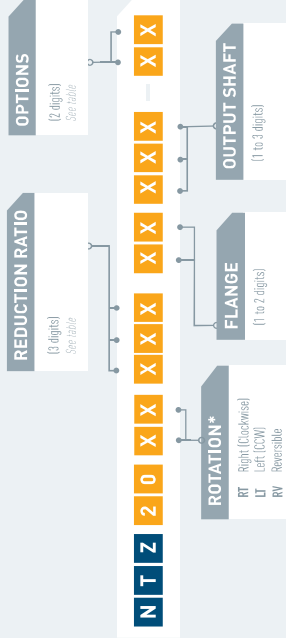
POWER 1400-1500 W



NTZ 20 XT



NTZ 20 RV



* rotation direction is defined when looking from the back of the motor

PERFORMANCES

Air motor reference	Reduction ratio	Air supply pressure	Speed (rpm)			Torque (N.m)		Max Power (W)	Air cons (Nl/min)	Dimensions			
			@ max Power	Free	@ max Power	Starting torque	Max (stati)			A (mm)	θ (mm)	Weight (kg)	
NTZ 20 XT 074	74	6,2 bars	76	153	193	348	395	1544	1800	321,7	88,8	5,8	
		5 bars	71	142	162	326	287	1209	1500				
		4 bars	67	133	137	263	231	956	1200				
NTZ 20 XT 113	113	6,2 bars	70	140	212	408	458	1764	1800	321,7	88,8	5,8	
		5 bars	67	133	176	378	348	1576	1500				
		4 bars	64	87	209	353	401	955	1200				
NTZ 20 RV	Air motor reference	Reduction ratio	Air supply pressure	Speed (rpm)			Torque (N.m)		Max Power (W)	Air cons (Nl/min)	Dimensions		
				@ max Power	Free	@ max Power	Starting torque	Max (stati)			A (mm)	θ (mm)	Weight (kg)
				NTZ 20 RV 085	85	55	110	241			337	297	1392
NTZ 20 RV 113	113	4 bars	47	94	195	271	239	1051	1500				
NTZ 20 RV 131	131	4 bars	39	77	260	317	1051	1500	1200	343,2	88,8	6,6	

Data indicated in this table have an accuracy of ± 5%

OPTIONS AVAILABLE FOR THE NTZ 20 XT

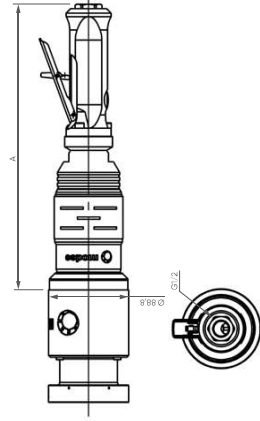
Code	02	04	05	06	07	09	10	13	14	15	18	19	21	22	31	32
Collected exhaust																
ATEX certification																
Lubrication free																
Kit start																
Speed control																

OPTIONS AVAILABLE FOR THE NTZ 20 RV

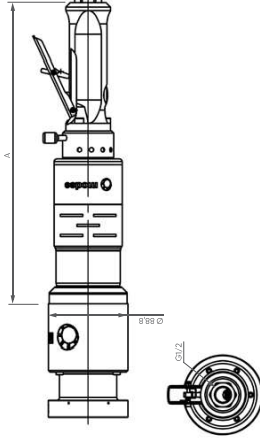
Code	03	12	16	17	29	30
ATEX certification						
Left/right switch						
Lubrication free						
Kit start						
Code						

LAYOUT

NTZ 20 XT

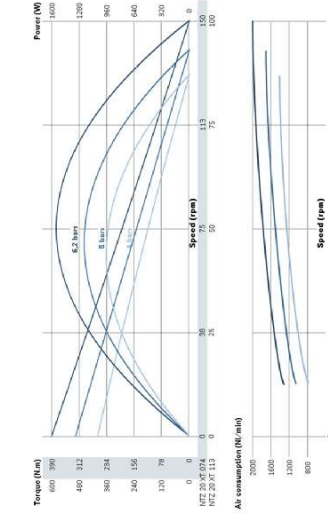


NTZ 20 RV

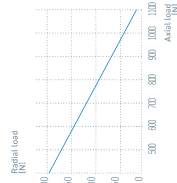


POWER, SPEED, TORQUE AND AIR CONSUMPTION GRAPHS

NTZ 20 XT



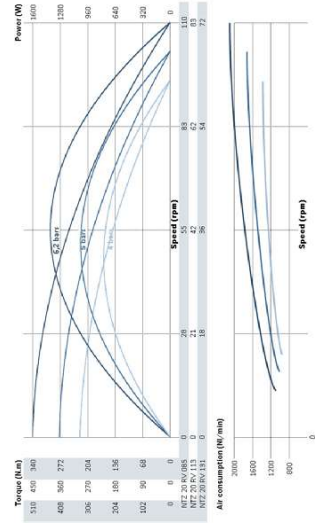
MAXIMUM RADIAL & AXIAL LOAD



for 100 millies revolutions (load applied to full start length)

NOTES

NTZ 20 RV



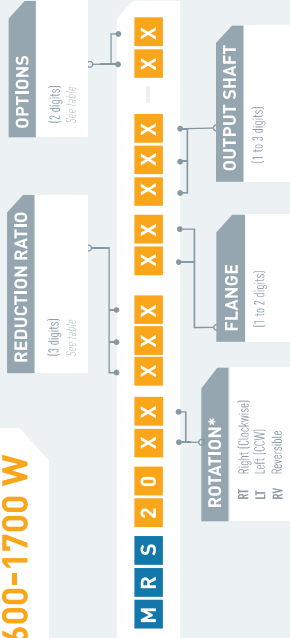
MOTORS MRS 20

POWER 1600-1700 W



MRS 20 XT

MRS 20 RV



* rotation direction is defined when looking from the back of the motor

PERFORMANCES

MRS 20 XT Air motor reference	Reduction ratio	Air supply pressure	Speed (rpm)		Torque (N.m)		Max Power (W)	Air cons (NI/min)	Dimensions		
			@ max Power	Free	@ max Power	Max (stall)			A (mm)	Ø (mm)	Weight (kg)
MRS 20 XT 005	5,5	6,2 bars	1051	2102	14	26	1574	1900	278,5	76,1	4,1
MRS 20 XT 006	6,4	4 bars	895	1790	11	18	1076	1200	278,5	76,1	4,1
MRS 20 XT 008	8	5 bars	841	1652	16	29	1574	1900	278,5	76,1	4,1
MRS 20 XT 010	10	4 bars	778	1555	13	21	1071	1200	278,5	76,1	4,1
MRS 20 XT 014	14	5 bars	702	1404	18	30	1298	1600	278,5	76,1	4,1
MRS 20 XT 023	23	4 bars	649	1298	15	22	1021	1200	310,5	76,1	4,7
MRS 20 XT 027	27	5 bars	598	1176	25	45	1574	1900	310,5	76,1	4,7
MRS 20 XT 031	31	4 bars	509	1016	17	32	1071	1200	310,5	76,1	4,7
MRS 20 XT 037	37	5 bars	417	835	36	64	1574	1900	310,5	76,1	4,7
MRS 20 RV											
MRS 20 RV 005	5,5	6,2 bars	962	1954	16	21	1676	2100	264,5	76,1	4
MRS 20 RV 006	6,4	5 bars	905	1812	16	20	1314	1400	264,5	76,1	4
MRS 20 RV 008	8	4 bars	762	1524	12	17	1574	1600	264,5	76,1	4
MRS 20 RV 010	10	5 bars	659	1117	29	37	1676	2100	264,5	76,1	4
MRS 20 RV 014	14	4 bars	548	969	27	36	1314	1400	264,5	76,1	4,0
MRS 20 RV 023	23	5 bars	471	68	88	77	1574	1600	296,5	76,1	4,6
MRS 20 RV 027	27	4 bars	393	56	61	52	1071	1200	296,5	76,1	4,6
MRS 20 RV 031	31	5 bars	318	42	45	40	989	1400	296,5	76,1	4,6
MRS 20 RV 037	37	4 bars	248	32	33	30	889	1400	296,5	76,1	4,6
MRS 20 RV 041	41	5 bars	177	25	23	22	676	1400	296,5	76,1	4,6

Data indicated in this table have an accuracy of ±5%

OPTIONS AVAILABLE FOR THIS MOTOR

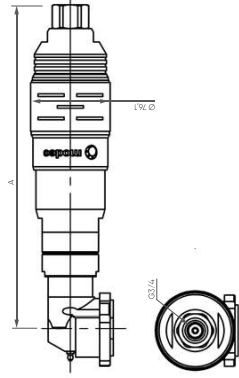
- Collected exhaust
- ATEX certification
- Left/Right switch*
- Lubrication free
- Kit start
- Speed control**

* Reversible motors only ** Non reversible motors only

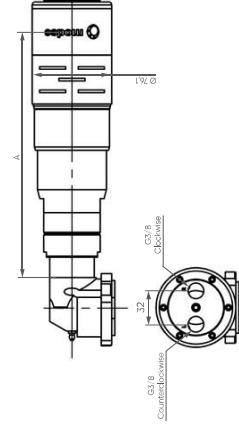
Code	00	01	02	03	04	05	06	07	09	10	12	13	14	15	16	17	18	19	21	22	29	30	31	32
Collected exhaust																								
ATEX certification																								
Left/Right switch*																								
Lubrication free																								
Kit start																								
Speed control**																								

LAYOUT

MRS 20 XT

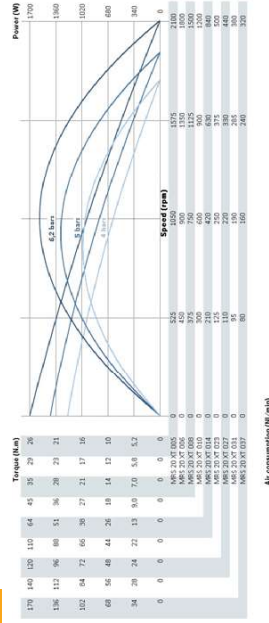


MRS 20 RV

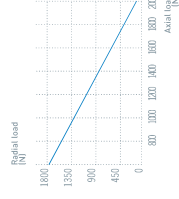


POWER, SPEED, TORQUE AND AIR CONSUMPTION GRAPHS

MRS 20 XT

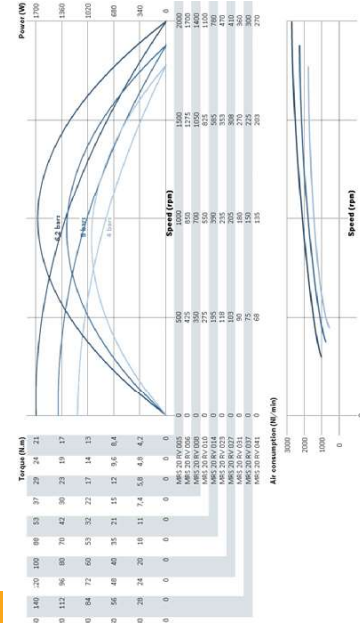


MAXIMUM RADIAL & AXIAL LOAD



NOTES

MRS 20 RV



MOTORS NRS 20

POWER 1300-1500 W



NRS 20 XT

NRS 20 RV



* rotation direction is defined when looking from the back of the motor

PERFORMANCES

NRS 20 XT Air motor reference	Reduction ratio	Air supply pressure	Speed (rpm)		Torque (N.m)		Max Power (W)	Air cons (Nl/min)	Dimensions	
			@ max Power	Free	@ max Power	Max (stall)			A (mm)	Ø (mm)
NRS 20 XT 005	5,5	6,2 bars	1076	2051	14	25	1486	1800	421,5	76,1
NRS 20 XT 006	6,4	4 bars	595	1818	17	15	924	1200	421,5	76,1
NRS 20 XT 008	8	6,2 bars	891	1782	29	29	1486	1800	421,5	76,1
NRS 20 XT 010	10	4 bars	845	1689	23	21	1172	1500	421,5	76,1
NRS 20 XT 014	14	6,2 bars	710	1588	19	34	1486	1800	421,5	76,1
NRS 20 XT 023	23	5 bars	705	1410	16	28	1172	1500	421,5	76,1
NRS 20 XT 027	27	4 bars	659	1318	13	23	924	1200	421,5	76,1
NRS 20 XT 031	31	6,2 bars	593	1167	24	44	1486	1800	421,5	76,1
NRS 20 XT 037	37	4 bars	517	1036	17	30	972	1200	421,5	76,1
NRS 20 RV Air motor reference	Reduction ratio	Air supply pressure	Speed (rpm)		Torque (N.m)		Max Power (W)	Air cons (Nl/min)	Dimensions	
@ max Power			Free	@ max Power	Max (stall)	A (mm)			Ø (mm)	
NRS 20 RV 005	5,5	6,2 bars	856	1713	14	18	1269	1800	443	76,1
NRS 20 RV 006	6,4	4 bars	734	1488	12	15	975	1500	443	76,1
NRS 20 RV 008	8	6,2 bars	744	1468	16	21	1486	1800	443	76,1
NRS 20 RV 010	10	4 bars	690	1379	13	17	1172	1500	443	76,1
NRS 20 RV 014	14	6,2 bars	641	1282	11	14	1486	1800	443	76,1
NRS 20 RV 023	23	5 bars	576	1151	16	25	975	1500	443	76,1
NRS 20 RV 027	27	4 bars	535	1071	13	17	1486	1800	443	76,1
NRS 20 RV 031	31	6,2 bars	487	974	25	32	1269	1800	443	76,1
NRS 20 RV 037	37	4 bars	452	903	21	25	1006	1500	443	76,1
NRS 20 RV 041	41	6,2 bars	340	690	36	46	1486	1800	475	76,1
NRS 20 RV 047	47	4 bars	315	630	30	33	975	1500	475	76,1
NRS 20 RV 052	52	6,2 bars	293	585	23	31	1269	1800	475	76,1
NRS 20 RV 055	55	4 bars	205	411	59	75	1006	1500	475	76,1
NRS 20 RV 058	58	6,2 bars	177	354	59	62	1269	1800	475	76,1
NRS 20 RV 061	61	4 bars	178	357	68	87	1006	1500	475	76,1
NRS 20 RV 064	64	6,2 bars	165	331	56	72	1269	1800	475	76,1
NRS 20 RV 067	67	4 bars	155	316	78	100	1006	1500	475	76,1
NRS 20 RV 070	70	6,2 bars	144	297	65	83	1269	1800	475	76,1
NRS 20 RV 073	73	4 bars	134	267	51	68	1006	1500	475	76,1
NRS 20 RV 076	76	6,2 bars	129	259	94	120	1269	1800	475	76,1
NRS 20 RV 079	79	4 bars	119	223	61	82	1006	1500	475	76,1
NRS 20 RV 082	82	6,2 bars	117	234	104	133	1269	1800	475	76,1
NRS 20 RV 085	85	4 bars	108	217	86	110	1006	1500	475	76,1
NRS 20 RV 088	88	6,2 bars	103	201	98	121	1269	1800	475	76,1
NRS 20 RV 091	91	4 bars	94	188	99	127	1006	1500	475	76,1
NRS 20 RV 094	94	6,2 bars	87	175	78	104	1269	1800	475	76,1

Data indicated in this table have an accuracy of +/-5%

OPTIONS AVAILABLE FOR THE NRS 20 XT

Collected exhaust	<input type="checkbox"/>	19	21	22	31	32
ATEX certification	<input type="checkbox"/>					
Lubrication free	<input type="checkbox"/>					
Kit start	<input type="checkbox"/>					
Speed control	<input type="checkbox"/>					
Code						

OPTIONS AVAILABLE FOR THE NRS 20 RV

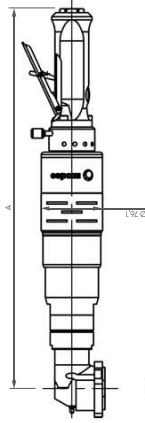
ATEX certification	<input type="checkbox"/>	03	12	16	17	29	30
Left/Right switch	<input type="checkbox"/>						
Lubrication free	<input type="checkbox"/>						
Kit start	<input type="checkbox"/>						
Code							

LAYOUT

NRS 20 XT

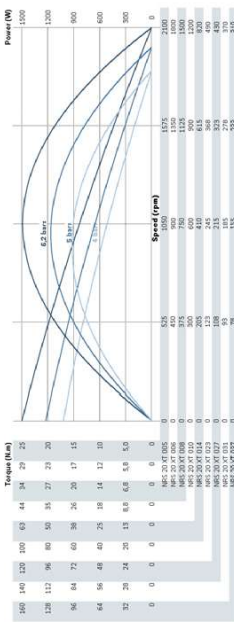


NRS 20 RV

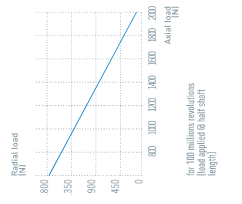


POWER, SPEED, TORQUE AND AIR CONSUMPTION GRAPHS

NRS 20 XT

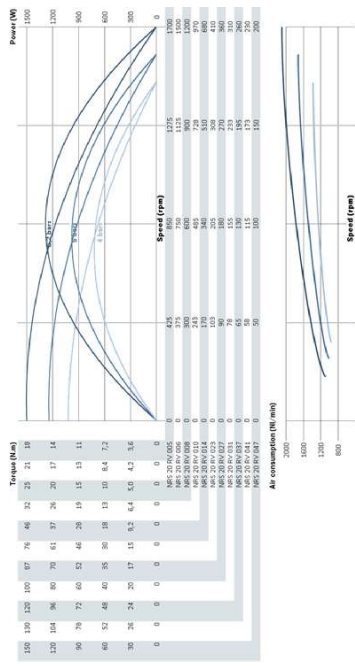


MAXIMUM RADIAL & AXIAL LOAD



NOTES

NRS 20 RV

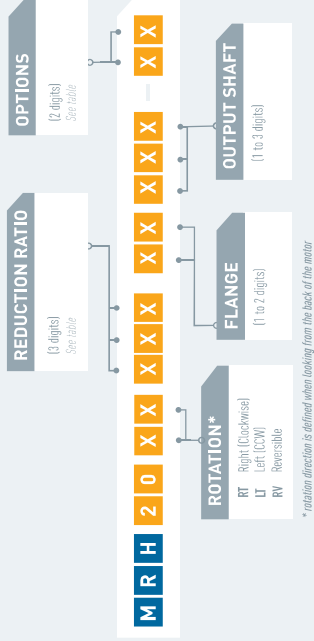


MOTORS MRH 20 POWER 1700 W



MRH 20 XT

MRH 20 RV



* rotation direction is defined when looking from the back of the motor

PERFORMANCES

Air motor reference	Reduction ratio	Air supply pressure	Speed (rpm)		Torque (N.m)		Max Power (W)	Air cons (l/min)	Dimensions		
			@ max Power	Free	@ max Power	Max (static)				A (mm)	θ (mm)
MRH 20 XT 041	41	6,2 bars	145	289	109	183	1456	1900	278,5	76,1	6,0
			137	273	91	154	1307	1600			
			129	257	75	128	1016	1200			
			126	257	76	135	1059	1000			
			126	257	76	177	1559	1900			
MRH 20 XT 047	47	6,2 bars	112	224	87	147	1229	1200	278,5	76,1	6,0
			105	210	81	252	1656	1900			
			99	198	76	212	1307	1600			
			92	186	71	187	1016	1200			
			82	164	59	175	816	1000			
MRH 20 XT 056	56	6,2 bars	76	152	71	238	1709	2100	278,5	76,1	6,0
			72	145	74	224	1600	1900			
			72	145	74	224	1600	1900			
			72	145	74	224	1600	1900			
			53	106	307	388	343	1000			
MRH 20 XT 071	71	6,2 bars	51	101	250	323	284	2100	278,5	76,1	6,0
			51	102	190	321	1016	1200			
			51	102	190	321	1016	1200			
			51	102	190	321	1016	1200			
			51	102	190	321	1016	1200			
MRH 20 RV 047	47	6,2 bars	116	233	140	177	1709	2100	264,5	76,1	6,4
			110	221	114	148	1320	1700			
			104	208	91	121	989	1400			
			97	184	79	107	717	1100			
			97	184	79	157	1320	1700			
MRH 20 RV 056	56	6,2 bars	87	174	109	145	128	1400	264,5	76,1	6,4
			76	152	71	238	1709	2100			
			72	145	74	224	1600	1900			
			72	145	74	224	1600	1900			
			53	106	307	388	343	1000			
MRH 20 RV 071	71	6,2 bars	51	101	250	323	284	2100	264,5	76,1	6,4
			51	102	190	321	1016	1200			
			51	102	190	321	1016	1200			
			51	102	190	321	1016	1200			
			51	102	190	321	1016	1200			

(Data indicated in this table are at accuracy of ± 5%)

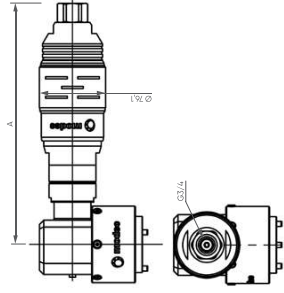
OPTIONS AVAILABLE FOR THIS MOTOR

Collected exhaust	00	01	02	03	04	05	06	07	09	10	12	13	14	15	16	17	18	19	21	22	29	30	31	32	
ATEX certification																									
Left/Right switch*																									
Lubrication line																									
Speed control**																									
Code																									

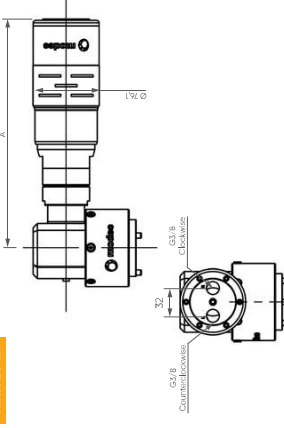
* Reversible motors only ** Non reversible motors only

LAYOUT

MRH 20 XT

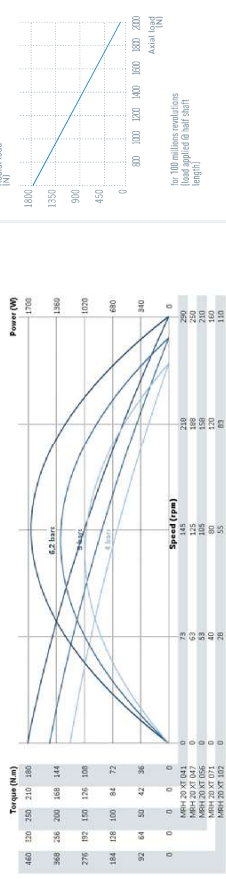


MRH 20 RV



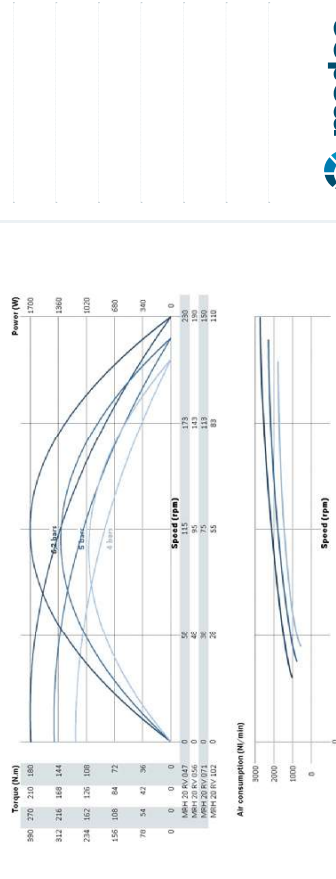
POWER, SPEED, TORQUE AND AIR CONSUMPTION GRAPHS

MRH 20 XT



NOTES

MRH 20 RV



heavy duty

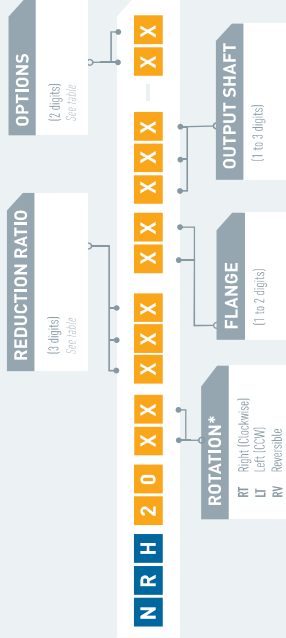
<< 20 >> serie

MOTORS NRH 20 POWER 1300-1500 W

NRH 20 XT



NRH 20 RV



* rotation direction is defined when looking from the back of the motor

OPTIONS AVAILABLE FOR THE NRH 20 XT

	00	01	02	04	05	06	07	09	10	13	14	15	18	19	21	22	31	32
Collected exhaust	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ATEX certification	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lubrication free	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kit start	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Speed control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Code																		

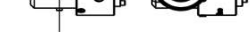
OPTIONS AVAILABLE FOR THE NRH 20 RV

	00	01	02	04	05	06	07	09	10	13	14	15	18	19	21	22	31	32
Collected exhaust	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ATEX certification	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lubrication free	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kit start	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Speed control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Code																		

LAYOUT

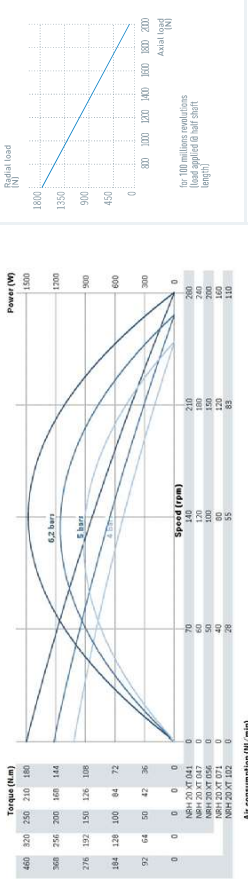
NRH 20 XT

NRH 20 RV



POWER, SPEED, TORQUE AND AIR CONSUMPTION GRAPHS

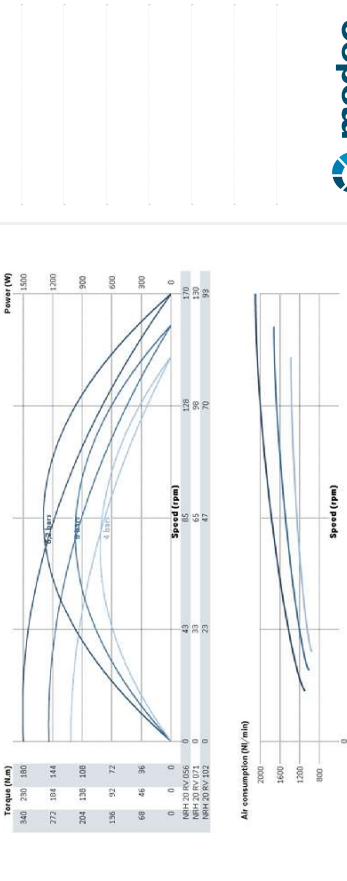
NRH 20 XT



MAXIMUM RADIAL & AXIAL LOAD

NOTES

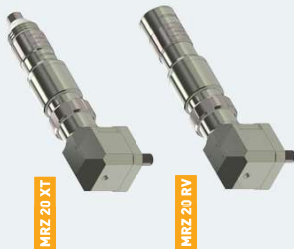
NRH 20 RV



Air motor reference	Reduction ratio	Air supply pressure	Speed (rpm)			Torque (N.m)			Max Power (W)	Air cons (Nl/min)	Dimensions	
			@ max Power	Free	@ max Power	Max (static)	Starting torque	A (mm)			Ø (mm)	
NRH 20 XT 041	41	6,2 bars	140	280	101	182	160	1486	1800	421,5	76,1	6,5
NRH 20 XT 047	47	5 bars	133	265	84	149	131	1169	1500	421,5	76,1	6,5
NRH 20 XT 056	56	4 bars	124	248	71	124	109	928	1200	421,5	76,1	6,5
NRH 20 XT 071	71	6,2 bars	172	343	97	201	185	1486	1800	421,5	76,1	6,5
NRH 20 XT 102	102	4 bars	108	215	82	143	125	928	1200	421,5	76,1	6,5
NRH 20 RV 056	56	6,2 bars	101	203	140	251	221	1486	1800	443	76,1	7,1
NRH 20 RV 071	71	5 bars	96	192	96	205	180	1169	1500	443	76,1	7,1
NRH 20 RV 102	102	6,2 bars	80	159	178	320	280	1486	1800	443	76,1	7,1

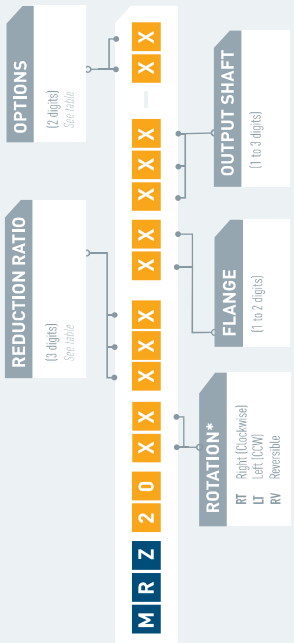
Data indicated in this table have an accuracy of +/- 3%

MOTORS MRZ 20 POWER 1700-1900 W



MRZ 20 XT

MRZ 20 RV



* rotation direction is defined when looking from the back of the motor

PERFORMANCES

MRZ 20 XT Air motor reference	Reduction ratio	Air supply pressure	Speed (rpm)		Torque (N.m)		Max Power (W)	Air cons (lN/min)	Dimensions	
			@ max Power	Free	@ max Power	Starting torque			A (mm)	Weight (kg)
MRZ 20 XT 115	115	6,2 bars	51	102	324	625	1730	1900	414.3	11.2
		5 bars	48	95	268	518	1336	1600		
		4 bars	45	90	239	419	1124	1200		
MRZ 20 XT 154	154	6,2 bars	38	76	255	395	1330	1400	414.3	10.7
		5 bars	35	71	230	350	1124	1200		
		4 bars	33	67	221	321	1124	1200		

MRZ 20 RV Air motor reference	Reduction ratio	Air supply pressure	Speed (rpm)		Torque (N.m)		Max Power (W)	Air cons (lN/min)	Dimensions	
			@ max Power	Free	@ max Power	Starting torque			A (mm)	Weight (kg)
MRZ 20 RV 115	115	6,2 bars	47	94	381	526	1880	2100	400.3	11.5
		5 bars	45	89	309	424	1443	1700		
		4 bars	42	83	268	304	1086	1400		
MRZ 20 RV 154	154	6,2 bars	33	67	416	569	1643	1700	400.3	11
		5 bars	31	62	333	464	1086	1400		
MRZ 20 RV 171	171	6,2 bars	32	63	567	784	1880	2100	400.3	11.5
		5 bars	30	60	460	631	1443	1700		
		4 bars	28	56	370	513	1086	1400		

Data indicated in this table have an accuracy of +/- 5%

OPTIONS AVAILABLE FOR THIS MOTOR

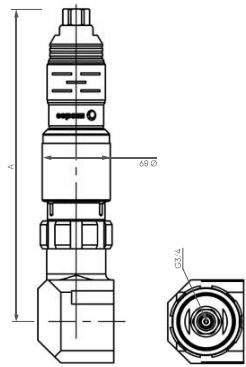
Code	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	29	30	31	32
Collected exhaust																											
ATEX certification																											
Left/Right switch*																											
Lubrication free																											
Kit start																											
Speed control**																											

* Reversible motors only

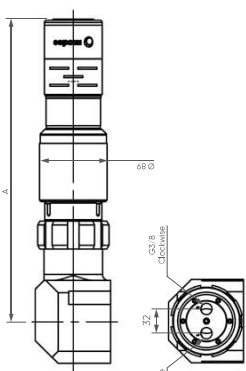
** Non reversible motors only

LAYOUT

MRZ 20 XT

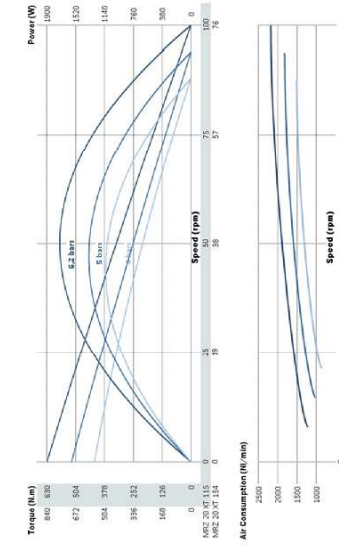


MRZ 20 RV



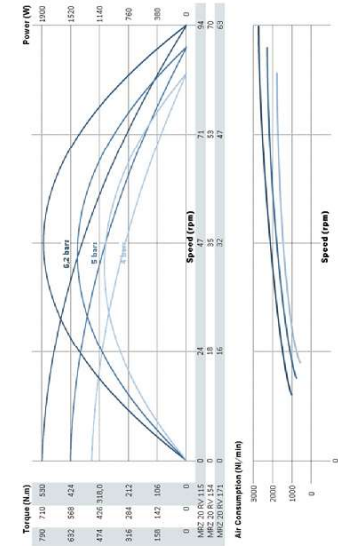
POWER, SPEED, TORQUE AND AIR CONSUMPTION GRAPHS

MRZ 20 XT



NOTES

MRZ 20 RV



MOTORS NRZ 20

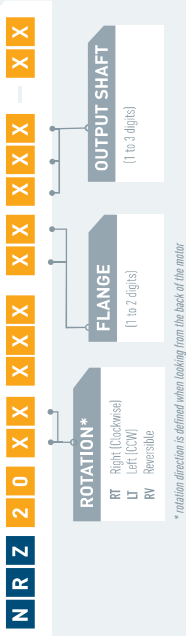
POWER 1400-1500 W



NRZ 20 XT



NRZ 20 RV



* rotation direction is defined when looking from the back of the motor

PERFORMANCES

Air motor reference	Reduction ratio	Air supply pressure	Speed (rpm)		Max Power (W)	Starting torque (N.m)	Air cons (l/min)	Dimensions	
			@ max Power	Free					A (mm)
NRZ 20 XT 115	115	6.2 bars	49	99	1543	550	1800	578.8	88.8
NRZ 20 XT 154	154	6.2 bars	43	86	1204	446	1500	578.8	88.8
NRZ 20 RV 115	115	6.2 bars	51	103	1393	580	1800	578.8	88.8
NRZ 20 RV 154	154	6.2 bars	47	92	1062	446	1500	578.8	88.8
NRZ 20 RV 171	171	6.2 bars	42	80	773	390	1200	578.8	88.8
NRZ 20 RV 227	227	6.2 bars	39	66	517	282	900	578.8	88.8

(Data indicated in this table have an accuracy of ± 5%)

OPTIONS AVAILABLE FOR THE NRZ 20 XT

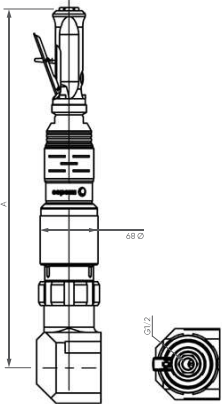
Code	00	01	02	04	05	06	07	09	10	13	14	15	18	19	21	22	31	32
Collected exhaust		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ATEX certification		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lubrication free		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kit start		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Speed control		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Code	00	01	02	04	05	06	07	09	10	13	14	15	18	19	21	22	31	32

OPTIONS AVAILABLE FOR THE NRZ 20 RV

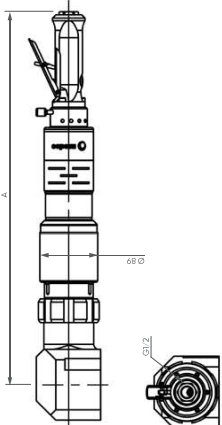
Code	03	12	16	17	29	30
ATEX certification	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Left/Right switch	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lubrication free	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kit start	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Code	03	12	16	17	29	30

LAYOUT

NRZ 20 XT

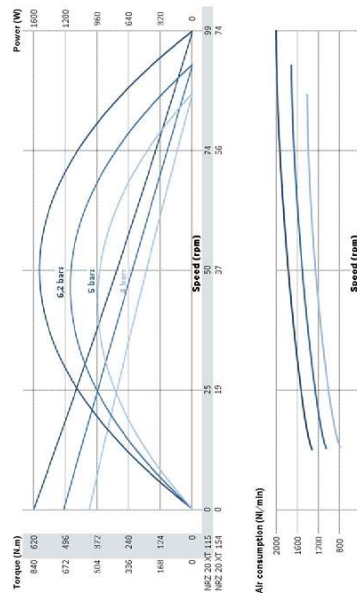


NRZ 20 RV

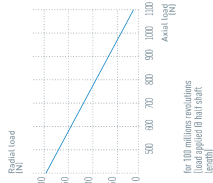


POWER, SPEED, TORQUE AND AIR CONSUMPTION GRAPHS

NRZ 20 XT

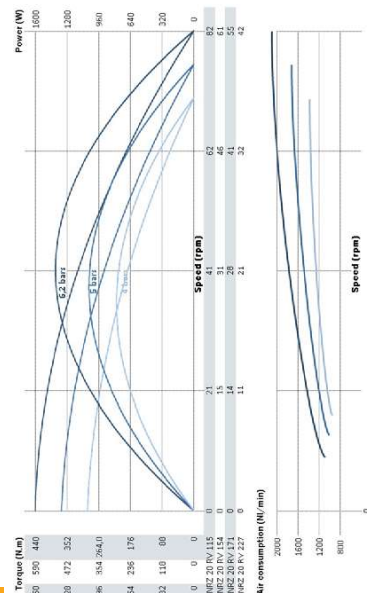


MAXIMUM RADIAL & AXIAL LOAD



NOTES

NRZ 20 RV



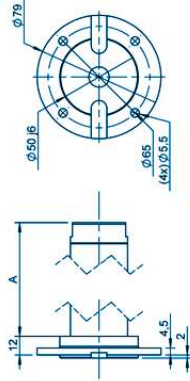
FLANGES & SHAFTS

Coupling the motor on your machine is as critical as choosing the right motor ! With Modéc, no need to modify your machine to make it compliant with the motor. We offer a wide choice of flanges and shafts so that you can find the ones that match your need. In case you don't find the right one, we can design and manufacture specific flanges and shafts on request.

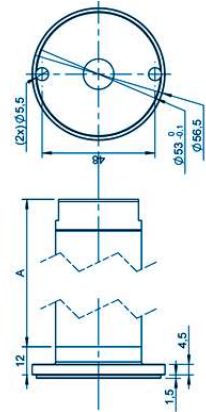
FLANGES & SHAFTS GROUP I

MTE 05 MTS 05

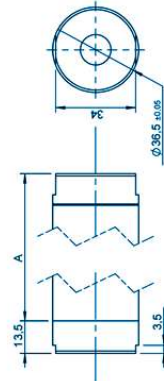
GROUP I FLANGE AA



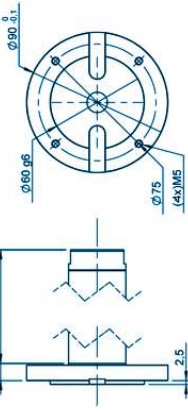
GROUP I FLANGE B



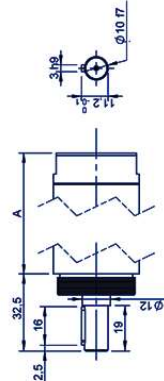
GROUP I FLANGE P



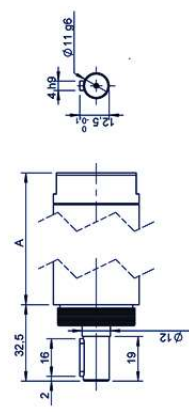
GROUP I FLANGE S - IEC63B14



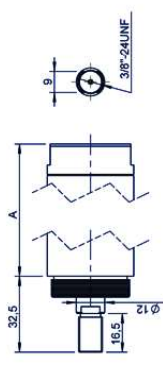
GROUP I SHAFT CL1 - KEYED Ø10



GROUP I SHAFT CL2 - KEYED Ø11 - IEC63B14



GROUP I SHAFT FI1 - THREADED 3/8" 24UNF

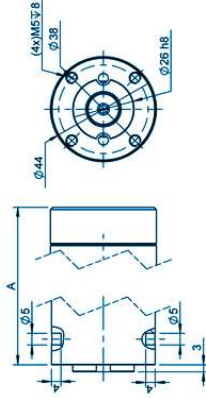


You didn't find your match ?
Contact us !

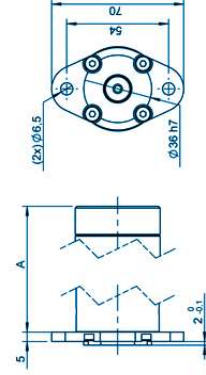
FLANGES & SHAFTS GROUP II (1/2)

MTE 07 MTS 07

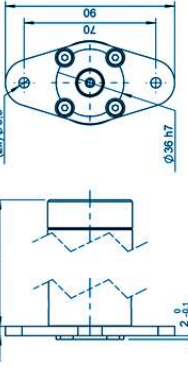
GROUP II FLANGE AA



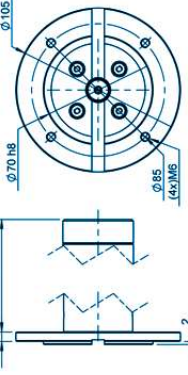
GROUP II FLANGE AB



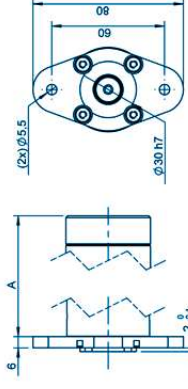
GROUP II FLANGE AC



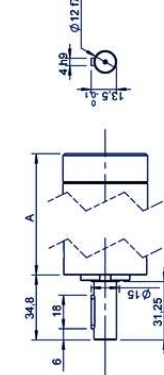
GROUP II FLANGE AD - IEC 71B14



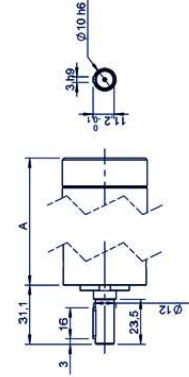
GROUP II FLANGE AE



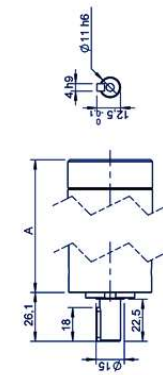
GROUP II SHAFT 001 - KEYED Ø12



GROUP II SHAFT 004 - KEYED Ø10



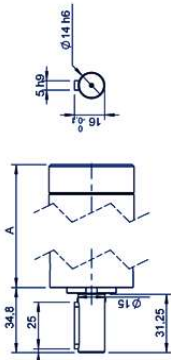
GROUP II SHAFT 006 - KEYED Ø11



SHAFTS **GROUP II** (2/2)

MTE 07 MTS 07

GROUP II SHAFT S01 - KEYED Ø14 - IEC 71B14

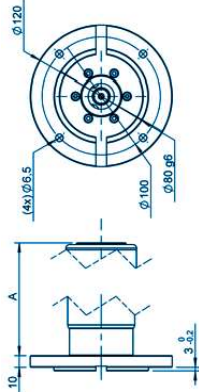


You didn't find your match ?
Contact us !

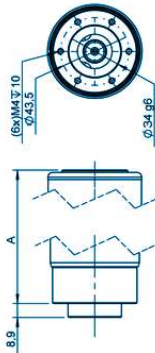
FLANGES & SHAFTS **GROUP III**

XTE 08 XTE 10 XTE 20 XTE 25

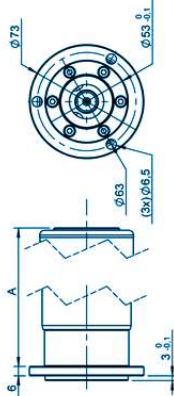
GROUP III FLANGE AB - IEC 80B14



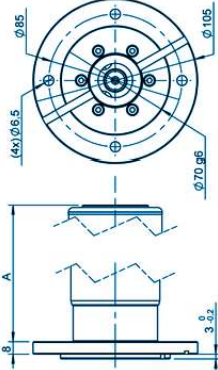
GROUP III FLANGE AA



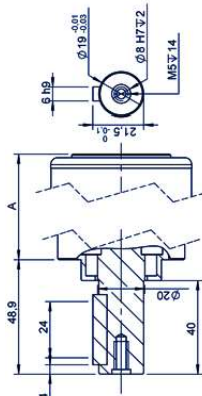
GROUP III FLANGE B



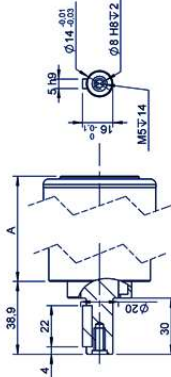
GROUP III FLANGE FJ - IEC 71B14



GROUP III SHAFT 001 - KEYED Ø19 - IEC 80B14



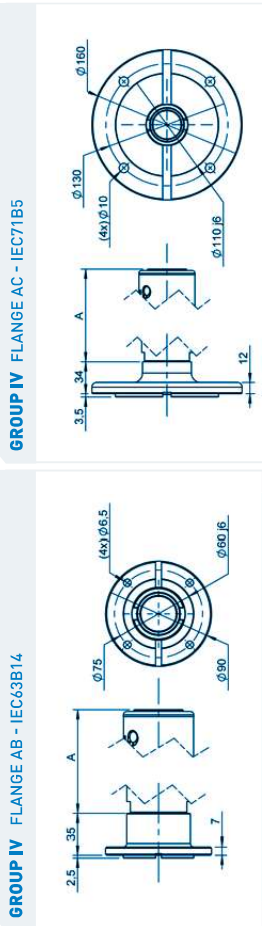
GROUP III SHAFT C25 - KEYED Ø14 - IEC 71B14



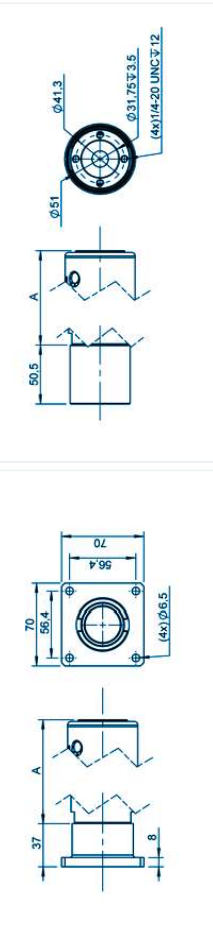
You didn't find your match ?
Contact us !

FLANGES GROUP IV (1/3)

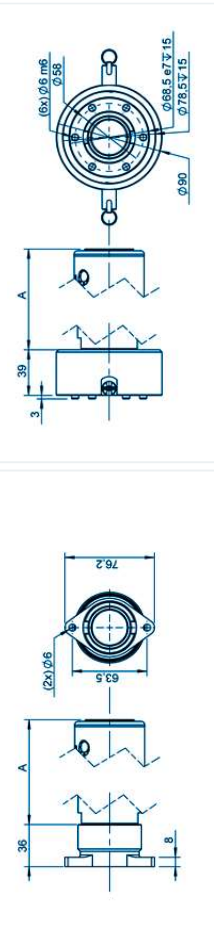
GROUP IV FLANGE AB - IEC43B14



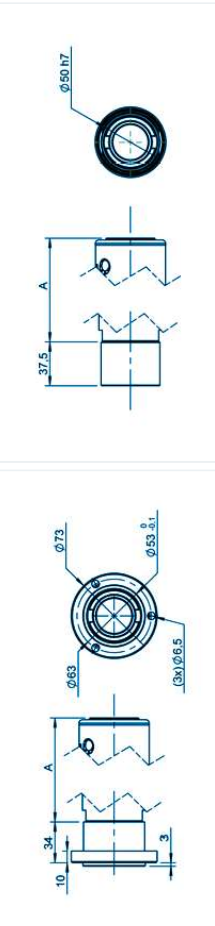
GROUP IV FLANGE AF



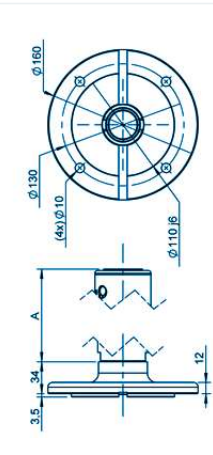
GROUP IV FLANGE AS



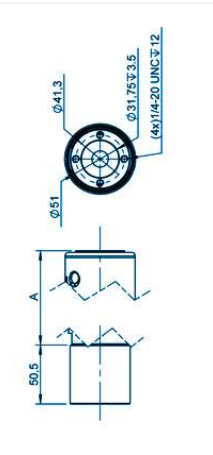
GROUP IV FLANGE B



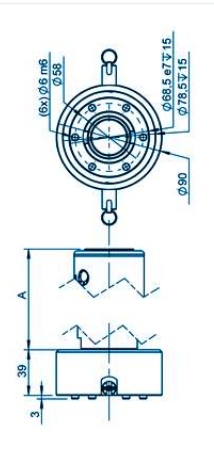
GROUP IV FLANGE AC - IEC71B5



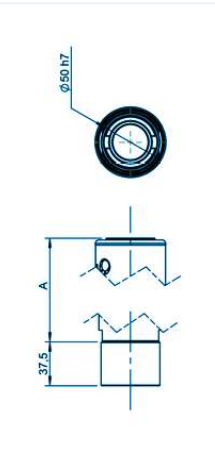
GROUP IV FLANGE AH



GROUP IV FLANGE AX - ARP

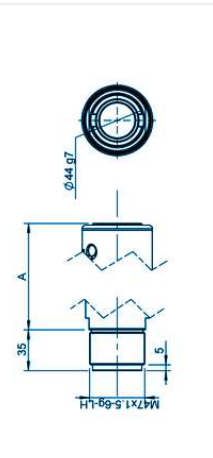


GROUP IV FLANGE B0

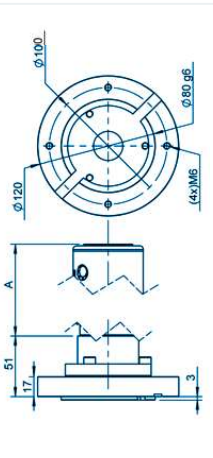


FLANGES GROUP IV (2/3)

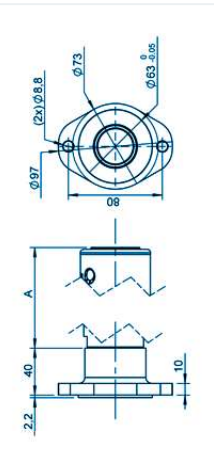
GROUP IV FLANGE F



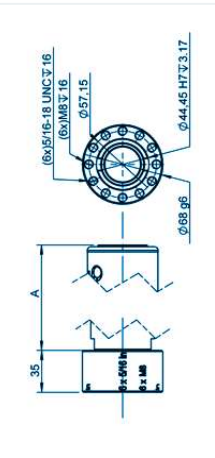
GROUP IV FLANGE FJ - IEC80B14



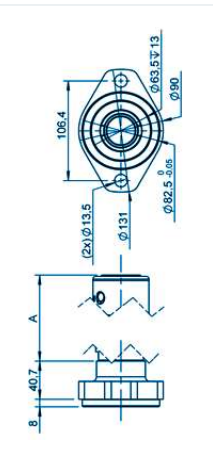
GROUP IV FLANGE L



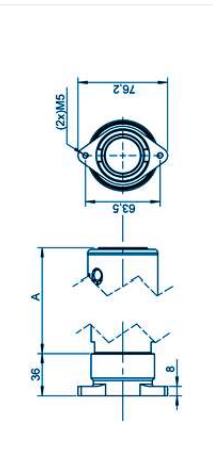
GROUP IV FLANGE N



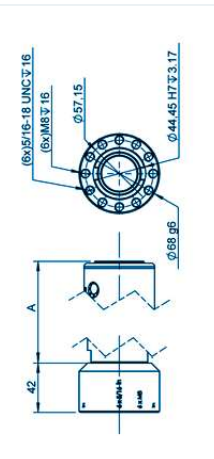
GROUP IV FLANGE FH



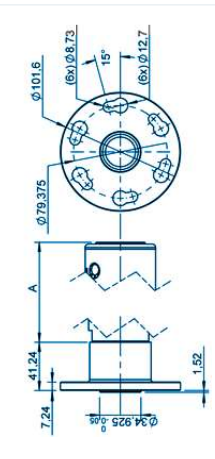
GROUP IV FLANGE J



GROUP IV FLANGE M



GROUP IV FLANGE Q



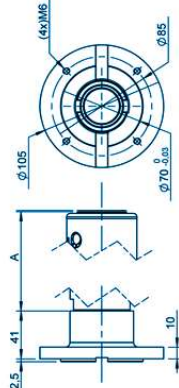
FLANGES **GROUP IV** (3/3)

SHAFTS **GROUP IV** (1/3)

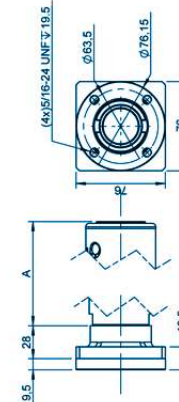
SHAFTS **GROUP IV** (2/3)

SHAFTS **GROUP IV** (3/3)

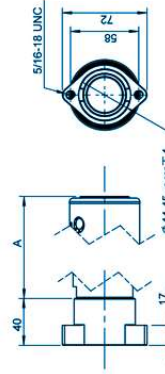
GROUP IV FLANGER - IEC71B14



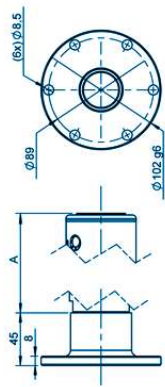
GROUP IV FLANGE S



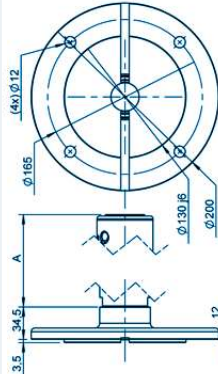
GROUP IV FLANGE U



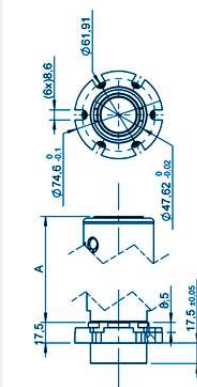
GROUP IV FLANGE V



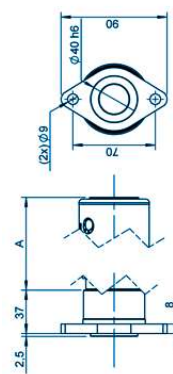
GROUP IV FLANGE W - IEC80B5



GROUP IV FLANGE Y

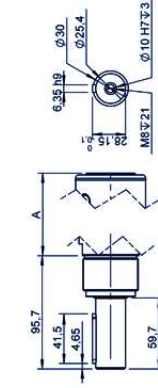


GROUP IV FLANGE Z

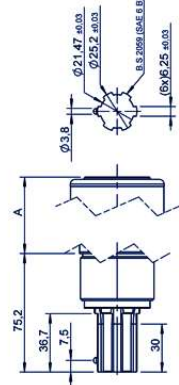


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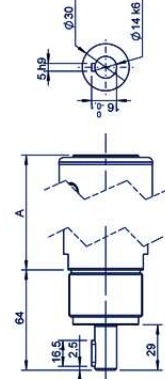
GROUP IV SHAFT 007 - KEYED Ø1"



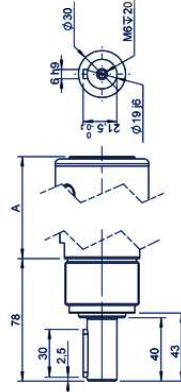
GROUP IV SHAFT 019 - SPLINED ARP



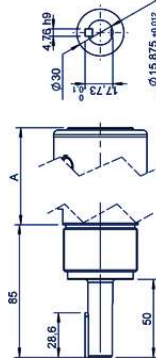
GROUP IV SHAFT C11 - KEYED Ø14 - IEC71B14



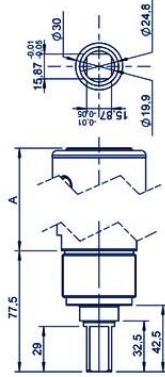
GROUP IV SHAFT C12 - KEYED Ø19 - IEC80B5 - IEC80B14



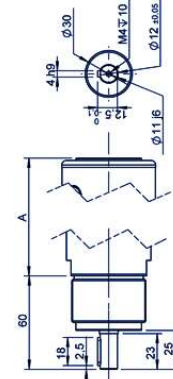
GROUP IV SHAFT C15 - KEYED Ø5/8"



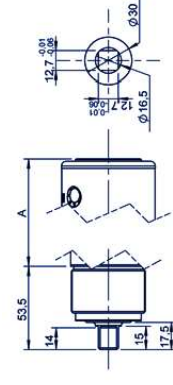
GROUP IV SHAFT C16 - SQUARE Ø5/8"



GROUP IV SHAFT C19 - KEYED Ø11 - IEC43B14



GROUP IV SHAFT CA1 - SQUARE Ø1/2"

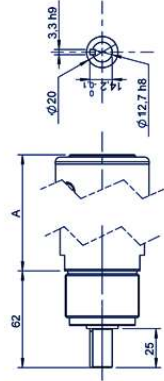


SHAFTS **GROUP IV** (2/3)

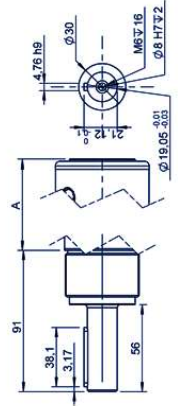
SHAFTS **GROUP IV** (3/3)

- XTH 05
- XTH 07
- XTH 08
- XTH 10
- XTH 10
- XTH 10
- XTH 20
- XTH 25

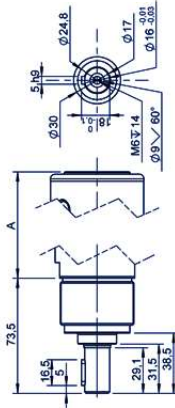
GROUP IV SHAFT CL1 - KEYED Ø1/2"



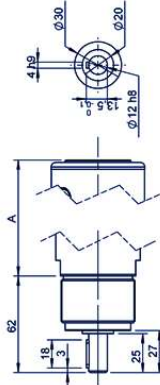
GROUP IV SHAFT CL2 - KEYED Ø3/4"



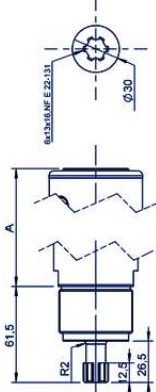
GROUP IV SHAFT CL6 - KEYED Ø16



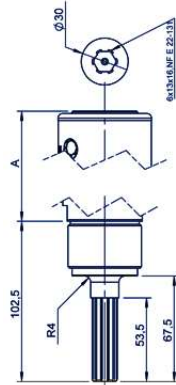
GROUP IV SHAFT CL9 - KEYED Ø12



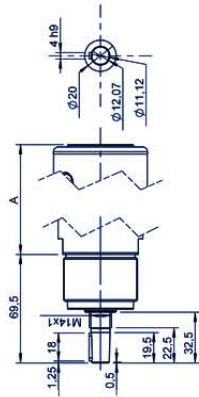
GROUP IV SHAFT CNC - SPLINED SHORT



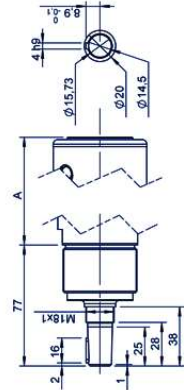
GROUP IV SHAFT CNL - SPLINED LONG



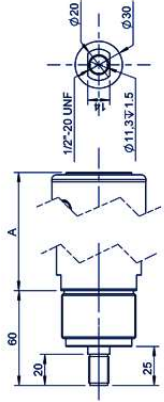
GROUP IV SHAFT CONICAL B12



GROUP IV SHAFT CONICAL B16



GROUP IV SHAFT F11 - THREADED Ø1/2"

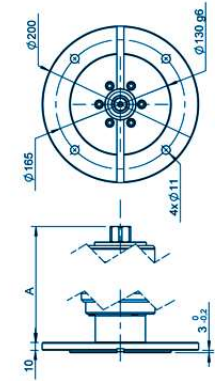


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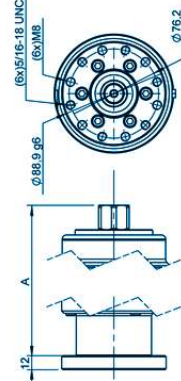
FLANGES & SHAFTS **GROUP V**

XTE 30

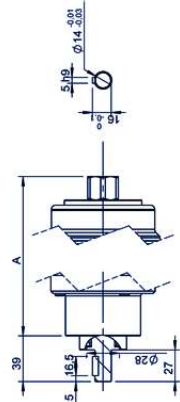
GROUP V FLANGE AB - IEC 80B5 - IEC 90B5



GROUP V FLANGE B



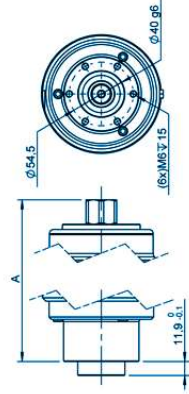
GROUP V SHAFT 002 - KEYED Ø14



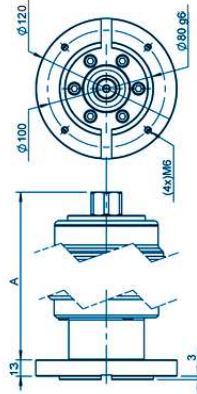
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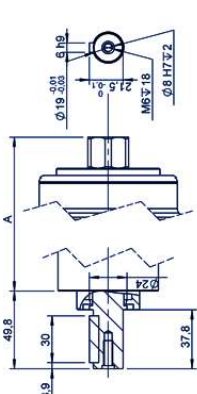
GROUP V FLANGE AA



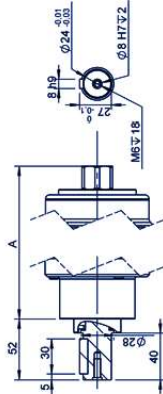
GROUP V FLANGE AC - IEC 80B14



GROUP V SHAFT 001 - KEYED Ø19 - IEC 80B14 - IEC80B5



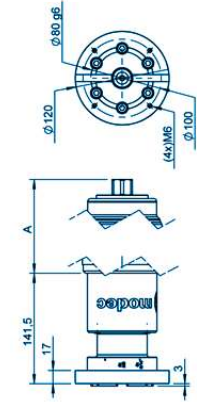
GROUP V SHAFT CL6 - KEYED Ø24 - IEC 90B5



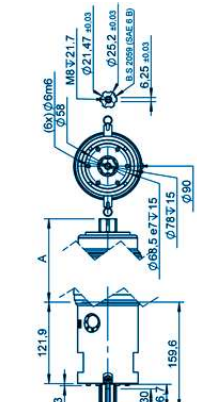
FLANGES **GROUP VI**

XTZ 08 XTZ 10 XTZ 20 XTZ 25 XTS 30

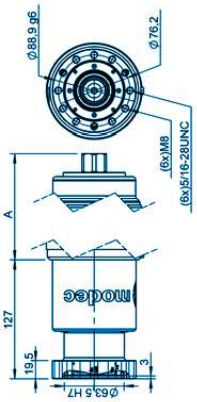
GROUP VI FLANGE AB - IEC80B14



GROUP VI FLANGE AI WITH SHAFT CNW



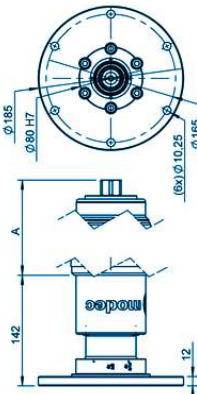
GROUP VI FLANGE B



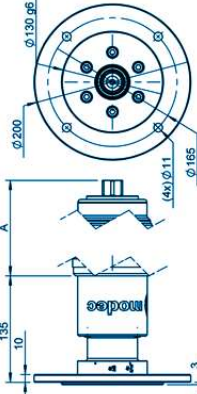
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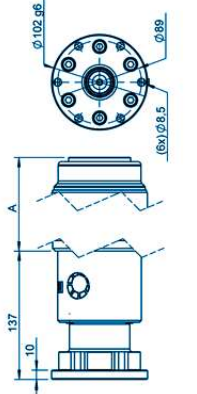
GROUP VI FLANGE AA



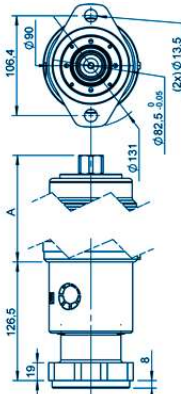
GROUP VI FLANGE AG - IEC80B5



GROUP VI FLANGE AL



GROUP VI FLANGE H



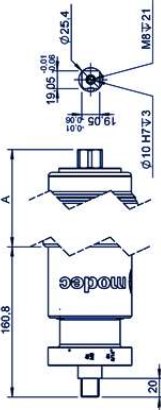
SHAFTS **GROUP VI**

- XITZ 08
- XITZ 10
- XITZ 20
- XITZ 25
- XITZ 30

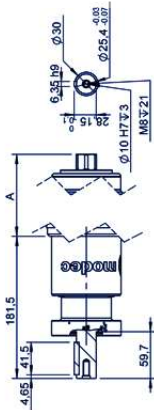
GROUP VI SHAFT 003 - KEYED Ø19 - IEC 80B14 - IEC 80B5



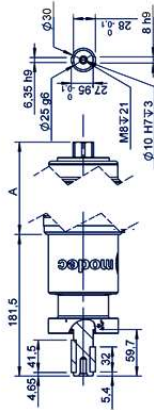
GROUP VI SHAFT CA1 - SQUARE 3/4"



GROUP VI SHAFT CL2 - KEYED Ø11



GROUP VI SHAFT CL4 - KEYED Ø25



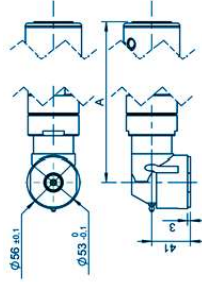
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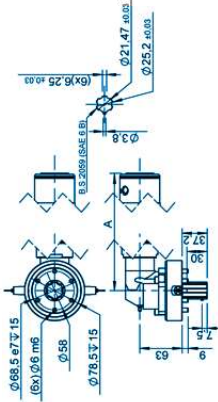
FLANGES **GROUP VII**

- XRH 05
- XRH 07
- XRH 08
- XRH 10
- XRH 20
- XRH 25

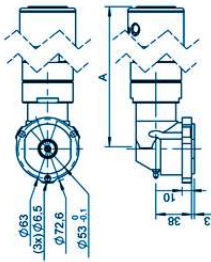
GROUP VII FLANGE AF



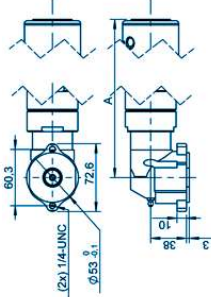
GROUP VII FLANGE AG WITH SHAFT 013



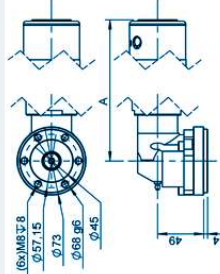
GROUP VII FLANGE B



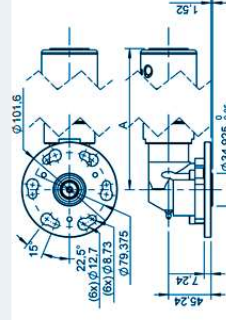
GROUP VII FLANGE E



GROUP VII FLANGE M



GROUP VII FLANGE Q



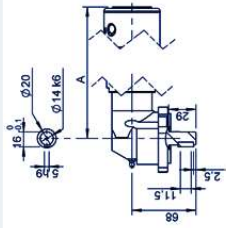
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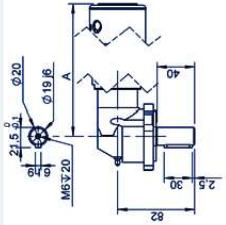
SHAFTS **GROUP VII** (1/2)

XRH 05 | XRH 07 | XRS 08 | XRS 10 | XRS 20 | XRS 25

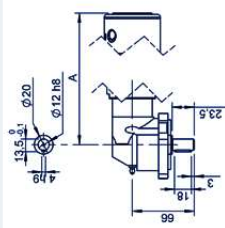
GROUP VII SHAFT 021 - KEYED Ø14



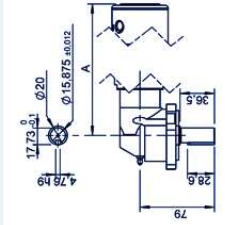
GROUP VII SHAFT C12 - KEYED Ø19



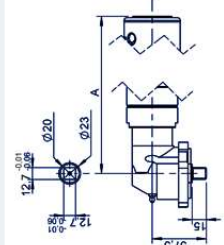
GROUP VII SHAFT C13 - KEYED Ø12



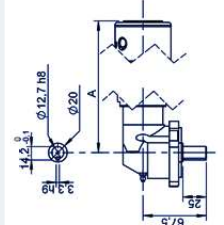
GROUP VII SHAFT C14 - KEYED Ø5/8"



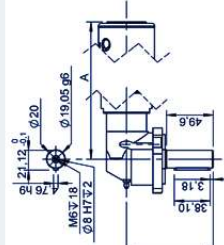
GROUP VII SHAFT CA1 - SQUARE 1/2"



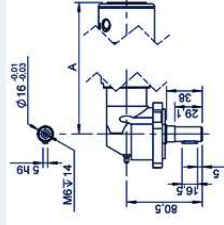
GROUP VII SHAFT CL1 - KEYED Ø1/2"



GROUP VII SHAFT CL2 - KEYED Ø3/4"



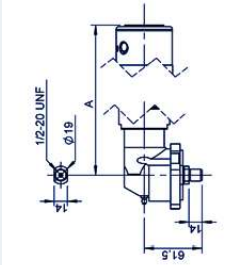
GROUP VII SHAFT CL6 - KEYED Ø16



SHAFTS **GROUP VII** (2/2)

XRH 05 | XRH 07 | XRS 08 | XRS 10 | XRS 20 | XRS 25

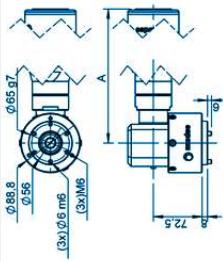
GROUP VII SHAFT F11 - THREADED Ø1/2"



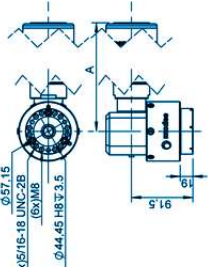
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FLANGES **GROUP VIII**

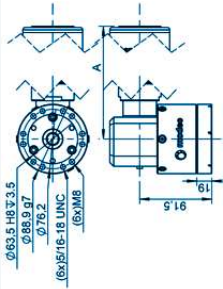
GROUP VIII FLANGE AA



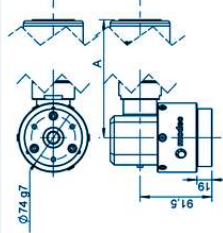
GROUP VIII FLANGE AB



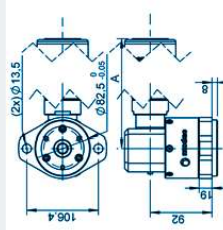
GROUP VIII FLANGE AC



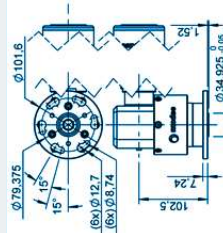
GROUP VIII FLANGE AD



GROUP VIII FLANGE AE



GROUP VIII FLANGE Q

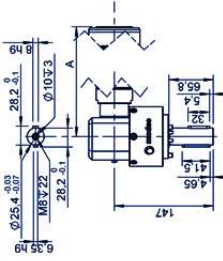


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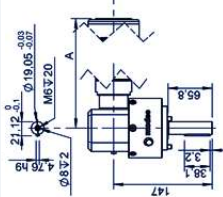
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SHAFTS **GROUP VIII**

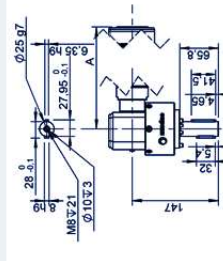
GROUP VIII SHAFT 001 - KEYED Ø1"



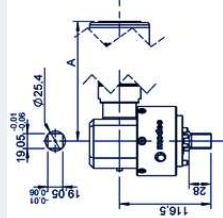
GROUP VIII SHAFT 002 - KEYED Ø3/4"



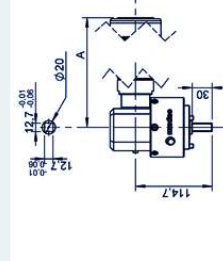
GROUP VIII SHAFT 003 - KEYED Ø25



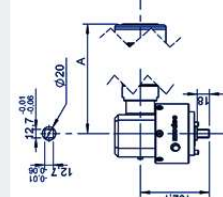
GROUP VIII SHAFT 004 - SQUARE 3/4"



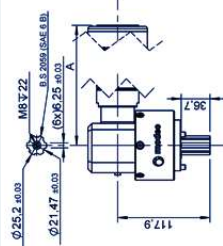
GROUP VIII SHAFT 005 - SQUARE 1/2" LONG



GROUP VIII SHAFT CA1 - SQUARE 1/2" SHORT



GROUP VIII SHAFT CNW - SPLINED

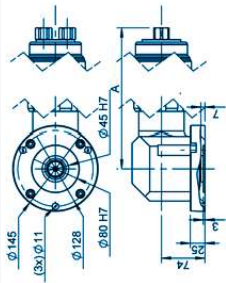
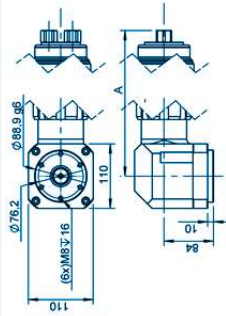
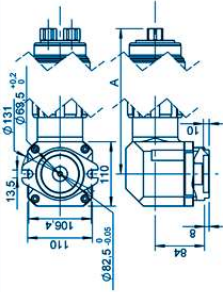
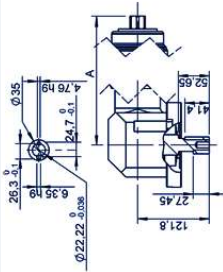
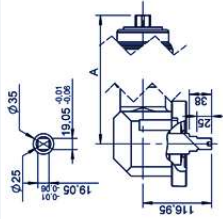
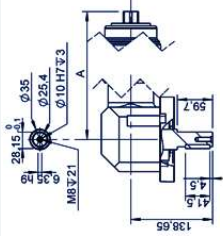
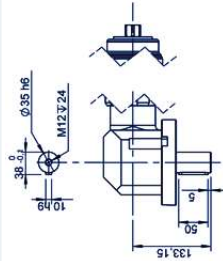
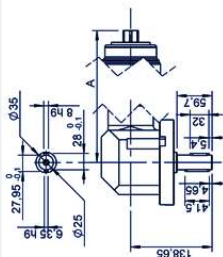


You didn't find your match ?

Contact us !

FLANGES & SHAFTS GROUP IX

XRZ 08 XRZ 10 XRZ 20 XRZ 25 XRS 30

GROUP IX FLANGE A

GROUP IX FLANGE B

GROUP IX FLANGE H

GROUP IX SHAFT 001 - KEYED 07/8"

GROUP IX SHAFT 003 - KEYED 03/4"

GROUP IX SHAFT CL2 - KEYED 01"

GROUP IX SHAFT CL3 - KEYED 035

GROUP IX SHAFT CL4 - KEYED 025

 You didn't find
your match ?

Contact us !

OPTIONS & ACCESSORIES

Modec offers a complete range of options and accessories required for an optimal performance of air motors and solutions.

Options are built into motors during manufacturing :

- Exhaust collectors
- ATEX certification
- Left/Right trigger [for reversible air motors only]
- « No lube kit » for oil free motors
- « Kit start » to ensure immediate start of the motor, even in difficult conditions
- Integrated speed control
- Stainless steel casing

Options are identified with the two last digits of the commercial reference. You will find on each product file a table indicating available options.

OPTIONS AVAILABLE FOR THIS MOTOR		01	02	03	09	10	11	12	13	14
Collected exhaust										
ATEX certification										
Left/Right switch*										
Lubrication free										
Kit start										
Speed control**										
Inox										
Code										

*ATEX certification only **Not reversible motors only

OPTIONS EXHAUST COLLECTORS

Exhaust collectors are to be mounted on the 10, 20, 25 & 30 series (other series air motors are always collected). They enable to collect exhaust in order to drive it towards a filter or silencer, or simply to bring it away from the working place. Using an exhaust collector with a silencer may slightly reduce performance (30 series) or significantly increase it (10 and 20 series). See table p.181.

It will also increase the motor maximum diameter (see an example below for the "10" series).



Exhaust collectors can also be assembled on motors after manufacturing, as accessories (see chapter 'Accessories' hereafter).

I ATEX CERTIFICATION

All modec air motors can be certified ATEX

See chapter 7. Certifications in the General information section (page 18)



ATEX II 2 G D
Ex h IIC T4...T4 Gb
Ex h IIC T80°C...T135 Db

LEFT/RIGHT TRIGGER

Available for reversible air motors only, this option allows to control the rotation direction directly on the motor with a simple trigger. No need for 5/3 distribution valve and separate air supply hoses. Very convenient for motors installed on machines where a manual rotation change is required.



LUBRICATION FREE

Oil free motors are specially designed to work without adding oil in the air supply. This can be required in specific applications (clean rooms for example).

In that case, air quality, dryness and cleanliness is even more critical to a good functioning and lifespan of the motor. One shall use adequate filtering units and check filters regularly. No lube air motors should not be used unloaded at free speed. When motors are not in use, make sure that they are stored in a dry, clean and ventilated environment.

<< KIT START >>

This option is typically required for applications where the motor is not frequently used and where it is important that motors will start immediately even after a long idle period. The kit start ensures that the vanes will always be out of the rotor notches and consequently that the motor will immediately start up when air comes in.



STAINLESS STEEL MOTORS

Available for most of our models, that option increases our motors robustness and resistance to wet and corrosive environments.



INTEGRATED SPEED CONTROL

The integrated speed control system enables to adjust the output shaft rotation speed simply by rotating the exhaust silencer. No need for external air flow regulator. It is a simple and efficient way to control speed. Available for « 10 » and « 20 » series non reversible air motors.

ACCESSORIES FILTERING, PRESSURE REGULATION AND LUBRICATION UNITS (FRL)

The Filtering, pressure Regulation and Lubrication unit (FRL) is a mandatory element for a good air motor functioning, performance, service life and control. It ensures fluid (compressed air or inert gas) filtering, drying and lubrication so that the motor will be fed with a « clean » gas. It also controls the motor performances through air pressure. The FRL unit should be installed less than 5 m upstream from the motor and should be properly dimensioned so that the flow is consistent with the motor's consumption. Make sure that pipes and fittings are also large enough for the airflow required.



Reference	AC106	AC107	AC108
Max inlet pressure	16 bars	16 bars	16 bars
Pressure gauge	0 / 10 bars	0 / 10 bars	0 / 10 bars
Controlled pressure	0.5 / 8 bars	0.5 / 8 bars	0.5 / 8 bars
Ambient temperature	-10°C / +50°C	-10°C / +50°C	-10°C / +50°C
Oil bowl capacity	40 cm ³	80 cm ³	181 cm ³
Filtration	5 µm	5 µm	5 µm
Purge system	Semi-auto	Semi-auto	Semi-auto
Connection	G 1/4	G 1/4	G 1/4
Dimensions (A x B x C)	240 x 145 x 100 mm	271 x 167 x 112 mm	342 x 210 x 142 mm
Weight (empty)	1,5 kg	2,2 kg	3,85 kg

modec offers a complete range of compact and sturdy FRL, adapted to industrial environment and easy to connect. Self-relieving regulator. Lubrication with selective oil fog. Metal bowl with polypropylene oil level viewing window. Automatic oil refilling pressurized system. Recommended oil type : MODOC CO-16 oil (see hereafter)

SAFETY AIR TREATMENT BOX (SAT BOX)

Safety

The Safety Air Treatment Box (SAT Box) is a safety device designed to protect people & material against damages and accidents. Placed upstream from the pneumatic actuators (motors, pistons or any portable pneumatic tools) the SAT Box provides numerous important safety features:

- **Emergency kill switch**
- **Key safety lock (optional)**
- **Downstream automatic air-bleed**
- **Automatic switch off when air pressure drop is detected**



As soon as the emergency kill switch is hit, the SAT Box ensures an instantaneous air bleed in the downstream circuit so that no residual energy may create an accidental motion after the stop.

In case air pressure drops below 2 bars, the SAT Box automatically shuts off and bleeds downstream circuit. One needs to press the "start" button again to restart flow. This prevents any unexpected start in case one person stops and restarts the compressor without information to the user.

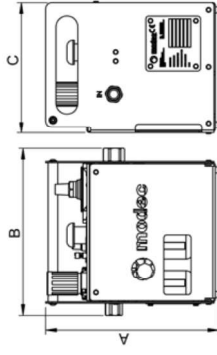
All these safety features are energized by air pressure, without any other source of energy required. This makes it possible to have it ATEX certified on request.

Air treatment

The SAT Box also contains a FRL unit (Filtration, pressure Regulation and Filtration). Refer to the FRL description above.

Easy control

The SAT Box can be equipped as an option with several remote control devices for an easy and efficient use (pedal, handle or emergency kill switch placed close to the operator).



All components are protected with a stable and sturdy metallic box designed for a heavy duty workbags and workbenches use.



PNEUMATIC OIL modec CO-16

Lubricating oil specially selected for modec air motors and actuators

- Synthetic oil**
- : 22cSt
 - Kinematic viscosity at 40°C : 145
 - Viscosity index : 824kg/m³
 - Voluminal mass : +210°C
 - Flash point : -55°C
 - Pour point : -55°C/130°C
 - Temperature of use : AC149

MOTOR CONTROL HANDLES

Safety handles

Safety handles change your motor into a portable tool with a manual "on/off" control. It guarantees operator's safety thanks to a specific trigger that prevents any accidental start, and an automatic return system that ensures a complete stop of the air flow as soon as the handle is released.

This handle exist in different models depending on the motor it is designed for (power, reversible or non-reversible). It is delivered with the interface parts required for an easy assembly to the motor.

Progressive control handle

The progressive control handle enables an efficient, ergonomic and safe control of the motor air supply, and consequently of the motor speed. It is particularly suited to applications requiring constant speed control and adaptation.

Safe : The progressive control handle shuts off automatically as soon as the operator releases it.

Ergonomic : It works like a motorbike throttle grip, it is intuitive and smooth.

Versatile : It can be assembled on the "08", "10", "20", "25" & "30" series, with or without safety handle.

Left / Right switch

This simple "Left / Right" (or "CCW / CW") lever placed in the back of the motor allows a direct rotation direction control. No need for pipes, fittings and 3/3 distribution valve anymore.



Series	Safety handles	Progressive control handles	Left / Right switch
08 RT	AC415	AC417	N/A
08 RV	AC416	AC418	N/A
10 XT	AC406	AC408	N/A
10 RV	AC404	AC406	AC429
20 RT	AC403	AC405	AC430
20 RV	AC405	AC407	N/A
25 RT	AC412	AC414	AC431
25 RV	AC414	AC416	AC432
30 RT	AC412	AC414	N/A
30 RV	AC414	AC416	AC432
Assembly on a safety handle	N/A	AC400	N/A
SAT Box remote control handle	AC405	N/A	N/A

FILTERS & SILENCERS

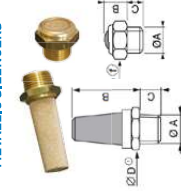
1 • STANDARD EXHAUST SILENCERS

Extremely compact, these metallic or plastic silencers significantly reduce exhaust noise with a minimal impact on the motor overall size.

They also prevent any external parts or impurities from getting inside the motor through exhaust vent.

IMPORTANT : Make sure that the silencer maximum acceptable flow is consistent with the maximal air output flow of the motor in order to avoid impact on the motor performances (torque & speed).

• METALLIC SILENCERS

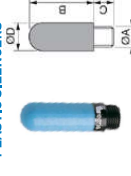


Reference	AC169	AC168	AC180	AC181	AC164	AC182
Operating pressure	p → 10 bars					
Ambient temperature	-10°C → +80°C					
Connection (DA)	G 1/4	G 1/4	G 1/4	G 1/4	G 1/2	G 1/4
Dimensions (B x C x Ø) (mm)	10 x 6 x 13	22,4 x 5,6 x 13	41,6 x 8,4 x 16	49,2 x 8,8 x 24	54,6 x 11,4 x 27	82,3 x 12,7 x 36
Weight	6 g	10 g	30 g	30 g	70 g	300 g
Suitable for motors	Refer to table p.101					

Alu metallic silencer (AC169): Stainless steel body, Nickel plated brass connection piece.

Other metallic silencers : Pnious bronze body, brass connection piece.

• PLASTIC SILENCERS



Reference	AC166	AC150	AC183	AC184	AC182	AC153
Operating pressure	0 → 10 bars					
Ambient temperature	-10°C → +80°C					
Connection (DA)	G 1/4	G 1/4	G 1/4	G 1/4	G 1/4	G 1/4
Dimensions (B x C x Ø) (mm)	27 x 6 x 13	34 x 7 x 15	55 x 11 x 18	62 x 12 x 23	113 x 16 x 38	141 x 20 x 43
Weight	2 g	4 g	6 g	10 g	40 g	65 g
Suitable for motors	Refer to table p.101					

Polycarbonate body, technical polymer connection piece.

2. HEAVY DUTY EXHAUST SILENCERS

These silencers softly exhaust air and disperse it over a 360° pattern. It won't clog up even in harsh environment. Made of a corrosion-resistant metal, it can withstand shock and continuous, heavy duty use under many conditions.



Zinc-plated steel diaphragm body, brass sieve

Reference	AC167	AC154	AC155	AC158	AC156	AC157
Operating pressure	0 → 14 bars -20°C → +110°C					
Ambient temperature	6%					
Connection	6%	6%	6%	6%	6%	6%
Dimensions (A x B x C) (mm)	35 x 31 x 11	44 x 39 x 14	57 x 51 x 18	69 x 61 x 22	80 x 71 x 27	99 x 88 x 33
Weight	9 g	23 g	36 g	68 g	122 g	227 g
Suitable for motors	Refer to table p.181					

3. HIGH FLOW EXHAUST MUFFLER

High flow exhaust muffler generate very minimal pressure drop while significantly reducing noise. They definitively are the best solution in terms of "Noise reduction / Pressure drop" ratio.

85% Noise Reduction

94% Flow Factor

Constructed with a unique expansion chamber, completely free of obstruction, exhaust air softly flows to the atmosphere without noise and oil fog, providing a clean, comfortable and productive work environment.

Composed entirely of corrosion-resistant material for long life and maintenance-free performance, units have a hex head, making it easy to attach to exhaust ports. They should be mounted in a protective position, free from excessive vibrations.



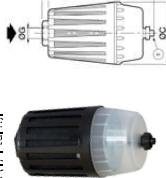
Reference	AC158	AC159	AC160
Operating pressure	0 → 10 bars -40°C → +145°C		
Ambient temperature	6%		
Connection	6%	6%	6%
Dimensions (A x B x C) (mm)	152 x 80	183 x 85	222 x 98
Weight	340	450 g	590 g
Suitable for motors	Refer to table p.181		

4. EXHAUST FILTERS & SILENCERS

Designed to reduce both exhaust noise level and pollution by eliminating solid particles and oil aerosols, these silencers must be assembled in vertical position (slope : 15° max.).

Pressure drops due to clogging of cartridge must not exceed 0.5 bar, in which case replace cartridge.

Condensate are automatically drained once they exceed a given level. The drain may however be activated manually by turning the knurled switch (1/4 turn).



Aluminum housing and polypropylene (PP) bowl.
Filter element : fibrous texture bonded by a plastic resin.
Sealed by a rubber gasket.

Reference	AC165	AC161	AC162
Operating pressure	0 → 16 bars -5°C → +50°C		
Ambient temperature	6%		
Connection (Ø)	6%	6%	6%
Dimensions (A x B x C) (mm)	12 x 180 x 90	12 x 180 x 90	15 x 250 x 110
Weight	600	560 g	1070 g
Suitable for motors	Refer to table p.181		

1. AIRFLOW CONTROLLERS

1. SPEED CONTROL MUFFLERS

The Polyethylene Speed Control Muffler is designed to adjust the pressure gap between air input and output of the motor by controlling the low end of the flow range. In that way, input pressure remains unchanged and there is no impact on the loaded starting torque, although the torque and speed at max power are reduced. It also reduces decibel levels to an OSHA approved level. It can be used with air or filtered inert gases, lubricated or not.



Its body is made of highly versatile and cost-effective nylon. The adjusting screw is made of high tensile steel and is coated with electroplated zinc.

Reference	AC170	AC171	AC172	AC173
Operating pressure	0 → 10 bars			
Ambient temperature	-10°C → +80°C			
Connection (Ø)	6%	6%	6%	6%
Dimensions (B x C D x E F) (mm)	15 x 13 x 6 14,5 x 12,5	18 x 15 x 7 x 22,4 x	24 x 20 x 8 x 30,6 x	30 x 25 x 10 x 40 x 6
Weight	5g	10g	30g	50g
Suitable for motors	« 05 »	« 07 »	« 08 »	« 10 » « 20 » « 25 » « 30 »

2. IN-LINE FLOW REGULATORS

In-line flow regulators control the motor air supply flow and consequently its rotation speed. They are particularly compact and easy to install either on the air motor inlet port or on the air supply pipe. They can also be used on the exhaust port.



Aluminum body
In-line flow regulators
come with appropriate
fitings for assembly on
all motors inlet ports.

Reference	AC186	AC187	AC188	AC189	AC190	AC191	AC192
Operating pressure	0 → 17 bars -40°C → +120°C						
Ambient temperature	6%	6%	6%	6%	6%	6%	6%
Air motor inlet connection	6%	6%	6%	6%	6%	6%	6%
Air supply connection	6%	6%	6%	6%	6%	6%	6%
Dimension (A x B)	50,8 x 20,6	64,8 x 26,9	73,4 x 31,8	73,4 x 31,8	82,6 x 41,4	82,6 x 41,4	82,6 x 41,4
Weight	5g	10g	15g	15g	25g	25g	25g
Suitable for motors	"05"	"07"	"08"	"10"	"10"	"10"	"25"

MAINTENANCE KITS



Maintenance kits contain two sets of parts required for one regular motor maintenance (refer to chapter 6 "Air motors storage & maintenance" in the first part of this catalogue). With one kit, you can perform two maintenance operations.

Maintenance kits come with an instruction notice and video tutorials are available on our **You Tube channel**.

Reference	05	07	08	10	20	25	30
Standard	AC300	AC301	AC302	XT : AC303 RV : AC308	AC304	AC305	AC306
Lube free	AC310	AC311	AC312	XT : AC313 RV : AC318	AC314	AC315	AC316
Kit start	AC320	AC321	AC322	XT : AC323 RV : AC328	AC324	AC325	AC326

5. AIR MOTORS / SILENCERS CORRESPONDENCE TABLE AND POWER IMPACT

	05	07	08	10XT	10RV	20 XT	20 RV	25	30
Size	Exhaust: G1/8 Inlet: G1/8	Exhaust: G1/4 Inlet: G1/8	Exhaust: G3/8 Inlet: G3/8	Exhaust: G3/4 Inlet: G3/4	Exhaust: G3/4 Inlet: G3/4	Exhaust: G3/4 Inlet: G3/4	Exhaust: G3/4 Inlet: G3/4	Exhaust: G3/4 Inlet: G3/4	Exhaust: G3/4 Inlet: G3/4
Power impact	AC166 -14%	AC165 -10%	AC164 -10%	AC163 -10%	AC162 -10%	AC161 -10%	AC160 -10%	AC159 -10%	AC158 -10%
Reference	AC168 AC169	AC167 AC169	AC166 AC169	AC165 AC169	AC164 AC169	AC163 AC169	AC162 AC169	AC161 AC169	AC160 AC169
Power impact	-14%	-10%	-10%	-10%	-10%	-10%	-10%	-10%	-10%
Reference	AC167 AC167	AC166 AC166	AC165 AC166	AC164 AC166	AC163 AC166	AC162 AC166	AC161 AC166	AC160 AC166	AC159 AC166
Power impact	-14%	-10%	-10%	-10%	-10%	-10%	-10%	-10%	-10%
Reference	AC166 AC166	AC165 AC166	AC164 AC166	AC163 AC166	AC162 AC166	AC161 AC166	AC160 AC166	AC159 AC166	AC158 AC166
Power impact	-14%	-10%	-10%	-10%	-10%	-10%	-10%	-10%	-10%
Reference	AC166 AC166	AC165 AC166	AC164 AC166	AC163 AC166	AC162 AC166	AC161 AC166	AC160 AC166	AC159 AC166	AC158 AC166
Power impact	-14%	-10%	-10%	-10%	-10%	-10%	-10%	-10%	-10%

EXHAUST COLLECTOR KITS

Exhaust collector kits can be easily assembled on 10, 20, 25 & 30 series motors and allow to use silencers, filters, airflow controllers, or simply a pipe to bring exhaust away from the working place.

Using an exhaust collector with a silencer may slightly reduce performance (30 series) or significantly increase it (10 and 20 series). See table p.180

It will also increase the motor maximum diameter (see table p.176).

Reference	AC340	AC341	AC342	AC343
Diameter (mm)	Ø7	Ø3	Ø3	Ø3
Connection	6%	6%	6%	6%
Air motor series	10	20	25	30

SPECIAL PRODUCTS & TOOLS

| NUT RUNNERS



All our motors can be used as nut runners by using the stall torque as a maximum torque that can be set by simply adjusting air pressure.

Just refer to the "NR" products type data sheet in each series and families.

NR products type are made of a handle, a motor and a right angle head which make them a perfect, safe and ergonomic bolting tool, with a power range from 400 W ("08" series) to 3200 W ("30" series) and a bolting torque that can reach up to 1000 Nm.

It is important to note that these nut runners cannot be used as precision tools. The accuracy of the torque values indicated is +/-5%.

| TAPPING MACHINES



All our motors can also be used as tapping machines in their NTxxRV type. We have designed a specific range of tapping machines with an appropriate safety handle and rotation control. We have specific shafts designed for tappers.

Refer to the T2500 product data sheet on page 70.

| SPECIAL MOTORS

Flexibility, Expertise and Innovation are our main strengths. We regularly design special motors on customer request for specific applications, and we love that !



Submarine stainless steel air motor

High speed motor for deburring / machining

Special shape & dimension air motor

Air fail brake motor

Whether it is submarine air motors, motors with air fail brakes, torque limiters or special flanges and shafts, we will answer your specific request quickly and precisely. Just ask us!

Don't hesitate to contact us

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