



**AIR MOTORS  
CATALOGUE**

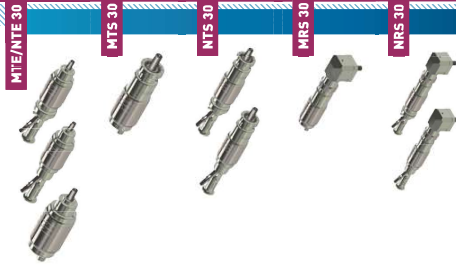


**modtec**  
moteurs & solutions pneumatiques

MAX POWER  
**3200 W**  
 MAX TORQUE  
**840 Nm**

Modec air motors « 30 » series has long proven itself in the most demanding **applications in terms of torque, power and robustness**. With a power of more than 3 kW and an exceptionally robust design, it is no surprise that these air motors can be found in the **most demanding environments (LATEX, extreme temperatures, off-shore, marine) and on the most difficult applications (machining, conveying, drilling...).**

They are of course available, like the other modec air motors, with or without right angle drive shaft and with or without handle.



#### + ACCESSORIES FOR THIS MOTOR

	Reference
Filtration, pressure Regulation and Lubrication unit (FRL)	AC108
Safety Air Treatment Box (SAT Box)	AC126
With Pedal remote control	AC127
With handle remote control	AC128
With remote emergency kill switch	AC129
With remote E-Stop and pedal remote control	AC130
With remote E-Stop and handle remote control	AC131
Maintenance kits	
Maintenance kit for "30" series	AC306
Maintenance kit for tube free "30" series	AC316
Maintenance kit for kit start "30" series	AC326
Exhaust collector kit for "30" series	AC343
modec Oil Co-16	AC149
Control handles	
Safety control handle for non reversible "30" series	AC412
Safety control handle for reversible "30" series	AC414
Progressive control handle for non reversible "30" series	AC407
Progressive control handle for reversible "30" series	AC410
Filters et silencers	
Metallic standard exhaust silencer	AC182
Metallic standard inlet silencer	AC164
Plastic standard exhaust silencer	AC153
Plastic standard inlet silencer	AC184
Heavy duty exhaust silencer	AC157
Heavy duty inlet silencer	AC155
High flow air muffler	AC140
Exhaust silencer filter	AC185
Speed control muffler	AC174

#### CONNECTION ET LUBRIFICATION



Min. fittings Ø		Min. pipe Ø		Lubrication [6,2 bars]
In	Out	In	Out	
14 mm / 0,6 In	16 mm / 0,6 In	16 mm / 0,6 In	20 mm / 0,8 In	11 drops / minute

#### CONVERSION TABLE

Watt → Horse power	Newton meter → Pound feet
Watt x 0,001341 = hp	Nm x 0,7374 = 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





# MOTORS MTS 30

## POWER 2500-3200 W



MTS 30

### REDUCTION RATIO

(3 digits)  
See table

### OPTIONS

(2 digits)  
See table

### ROTATION\*

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

### FLANGE

(1 to 2 digits)

### OUTPUT SHAFT

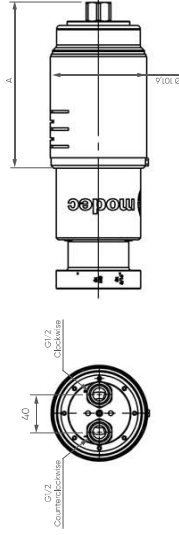
(1 to 3 digits)

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

MTS 30 XT		Air motor reference	Reduction ratio	Air supply pressure	Speed (rpm)		Torque (N.m)		Max Power (W)	Air cons (Nl/min)	Dimensions	
PERFORMANCES					@ max Power	Free	@ max Power	Max (stat)			A (mm)	Ø (mm)
4	6.2 bars	1345	2480	23	64	3100	3209	3100	7.3	176	101.6	
4	5 bars	1217	2424	19	36	2916	2916	2500				
5	6.2 bars	1040	2214	16	29	25	1850	2000				
5	5 bars	925	2079	12	50	3209	3100					
7	6.2 bars	865	1911	11	51	2000	2000					
7	5 bars	681	1622	8	57	3209	3100					
11	6.2 bars	560	1120	32	71	62	2416	2500				
11	5 bars	428	840	25	89	0	2416	2000				
14	6.2 bars	363	725	85	163	144	3209	3100				
14	5 bars	288	656	60	133	177	2416	2500				
18	6.2 bars	290	560	54	101	89	2416	2000				
18	5 bars	253	507	91	172	151	186	3209				
23	6.2 bars	231	441	77	139	122	1850	2000				
23	5 bars	197	392	118	211	151	2416	2500				
27	6.2 bars	178	356	99	160	158	1850	2000				
27	5 bars	166	352	139	262	231	2416	2500				
35	6.2 bars	142	294	216	418	368	3209	3100				
35	5 bars	128	297	180	339	298	2416	2500				
54	6.2 bars	117	233	151	274	241	1850	2000				
54	5 bars	93	186	330	638	562	3209	3100				
	4 bars	76	153	231	419	369	1850	2000				

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

### LAYOUT



### OPTIONS AVAILABLE FOR THIS MOTOR

Code	00	01	02	03	04	05	07	09	10	11	12	13	14	16	17	21	22	23	27	28	29	30	36	37
Collected exhaust																								
ATEX certification																								
Left/Right switch*																								
Lubrication free																								
K1 start																								
Influx																								
Code																								

### MTS 30 RV

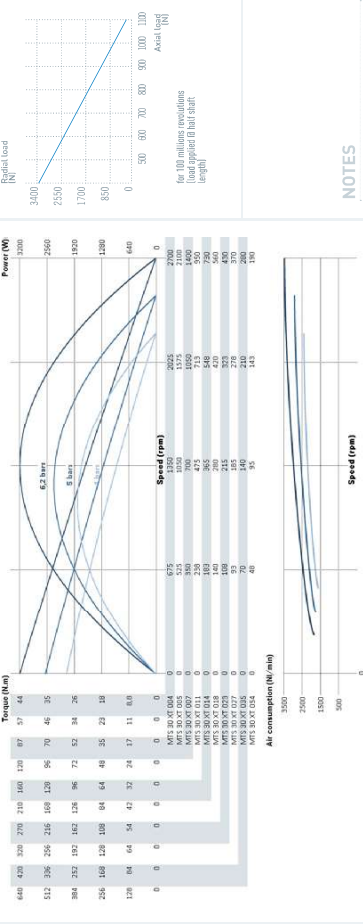
## PERFORMANCES

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 (stat)			A (mm)	Ø (mm)	Weight (kg)
MTS 30 RV 004	4	6.2 bars	1052	2104	23	39	2509	3000	176	101.6	7.4
MTS 30 RV 005	5	6.2 bars	890	1759	16	27	1883	1900	176	101.6	7.4
MTS 30 RV 007	7	6.2 bars	680	1360	11	35	1483	1500	176	101.6	7.4
MTS 30 RV 011	11	6.2 bars	490	979	39	65	2509	3000	176	101.6	7.4
MTS 30 RV 014	14	6.2 bars	342	684	55	93	1983	2400	176	101.6	7.4
MTS 30 RV 018	18	6.2 bars	202	403	94	156	1199	1983	176	101.6	7.4
MTS 30 RV 023	23	6.2 bars	144	287	167	286	215	2509	176	101.6	7.4
MTS 30 RV 027	27	6.2 bars	130	260	118	206	156	1900	176	101.6	7.4
MTS 30 RV 035	35	5 bars	102	204	186	313	235	1983	176	101.6	7.4
MTS 30 RV 054	54	5 bars	67	134	284	478	359	1983	176	101.6	7.4

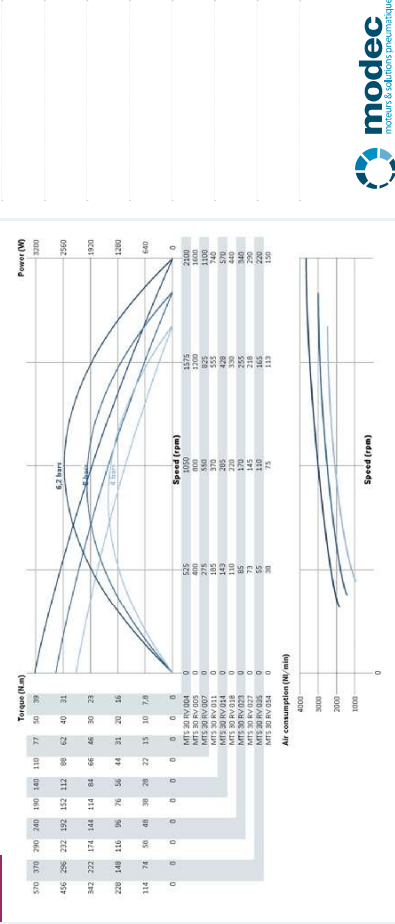
Data indicated in this table have an accuracy of +/- 3%

## POWER, SPEED, TORQUE AND AIR CONSUMPTION GRAPHS

MTS 30 XT



MTS 30 RV



NOTES

standard duty << 30 >> serie

# MOTORS NTS 30 POWER 2500-3200 W



NTS 30 XT

NTS 30 RV

**REDUCTION RATIO**  
(0 digits)  
See table

**OPTIONS**  
(2 digits)  
See table

**ROTAATION\***  
RT Right (Clockwise)  
LT Left (CCW)  
RV Reversible

**FLANGE**  
(1 to 2 digits)

**OUTPUT SHAFT**  
(1 to 3 digits)

NTS 3 0 X X X X X X X X X X X X X X X X X

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

### OPTIONS AVAILABLE FOR THE NTS 30 XT

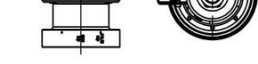
### OPTIONS AVAILABLE FOR THE NTS 30 RV

Collected exhaust	00	01	02	04	05	07	09	10	13	14	21	22	23	24
ATEX certification	00	01	02	04	05	07	09	10	13	14	21	22	23	24
Lubrication free	00	01	02	04	05	07	09	10	13	14	21	22	23	24
Kit start	00	01	02	04	05	07	09	10	13	14	21	22	23	24
Code	00	01	02	04	05	07	09	10	13	14	21	22	23	24

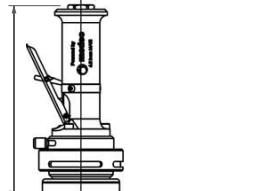
ATEX certification	00	01	02	04	05	07	09	10	13	14	21	22	23	24
Left/right switch	00	01	02	04	05	07	09	10	13	14	21	22	23	24
Lubrication free	00	01	02	04	05	07	09	10	13	14	21	22	23	24
Kit start	00	01	02	04	05	07	09	10	13	14	21	22	23	24
Code	00	01	02	04	05	07	09	10	13	14	21	22	23	24

### LAYOUT

NTS 30 XT



NTS 30 RV



### PERFORMANCES

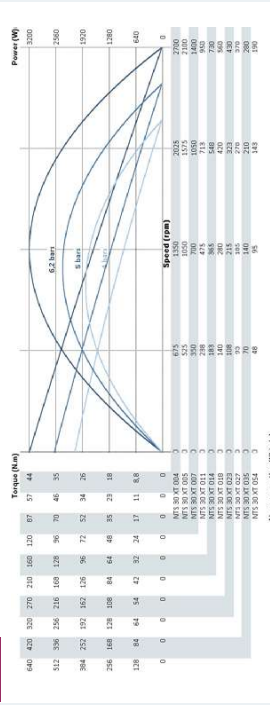
Air motor reference	Reduction ratio	Air supply pressure	Speed (rpm)			Torque (N.m)		Max Power (W)	Air cons (Nl/min)	Dimensions	
			@ max Power	Free	@ max Power	Max (Istaltl)	Starting torque				A (mm)
NTS 30 XT 004	4	6.2 bars	1345	2500	23	44	3209	3100	340.5	101.6	8.2
NTS 30 XT 005	5	6.2 bars	1107	2134	19	35	1850	2000	340.5	101.6	8.2
NTS 30 XT 007	7	6.2 bars	940	1881	15	26	1450	1500	340.5	101.6	8.2
NTS 30 XT 011	11	6.2 bars	715	1415	11	21	1100	1100	340.5	101.6	8.2
NTS 30 XT 014	14	6.2 bars	625	1232	9	17	950	900	340.5	101.6	8.2
NTS 30 XT 018	18	6.2 bars	560	1120	8	15	850	800	340.5	101.6	8.2
NTS 30 XT 023	23	6.2 bars	475	951	6	12	720	700	340.5	101.6	8.2
NTS 30 XT 027	27	6.2 bars	430	860	5	10	650	600	340.5	101.6	8.2
NTS 30 XT 035	35	6.2 bars	368	725	4	8	550	500	340.5	101.6	8.2
NTS 30 XT 054	54	6.2 bars	298	597	3	6	450	400	340.5	101.6	8.2

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 (Istaltl)	Starting torque				A (mm)
NTS 30 RV 004	4	6.2 bars	1052	2104	23	39	2509	3000	351.5	101.6	8.7
NTS 30 RV 005	5	6.2 bars	868	1735	19	28	1983	2400	351.5	101.6	8.7
NTS 30 RV 007	7	6.2 bars	748	1476	15	22	1483	1900	351.5	101.6	8.7
NTS 30 RV 011	11	6.2 bars	592	1162	11	17	1150	1100	351.5	101.6	8.7
NTS 30 RV 014	14	6.2 bars	512	1024	9	13	1000	1000	351.5	101.6	8.7
NTS 30 RV 018	18	6.2 bars	458	916	8	11	900	900	351.5	101.6	8.7
NTS 30 RV 023	23	6.2 bars	382	764	6	9	750	750	351.5	101.6	8.7
NTS 30 RV 027	27	6.2 bars	352	704	5	8	700	700	351.5	101.6	8.7
NTS 30 RV 035	35	6.2 bars	302	604	4	6	600	600	351.5	101.6	8.7
NTS 30 RV 054	54	6.2 bars	242	484	3	5	500	500	351.5	101.6	8.7

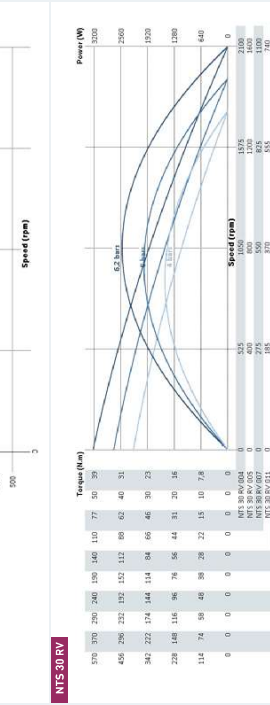
Data indicated in this table have an accuracy of ±5%

### POWER, SPEED, TORQUE AND AIR CONSUMPTION GRAPHS

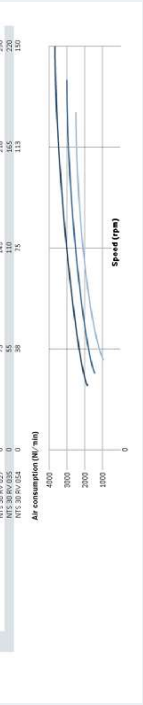
NTS 30 XT



NTS 30 RV



NTS 30 XT



### NOTES

For 100 millimetres reduction ratios greater than 54

Notes section with a grid background.

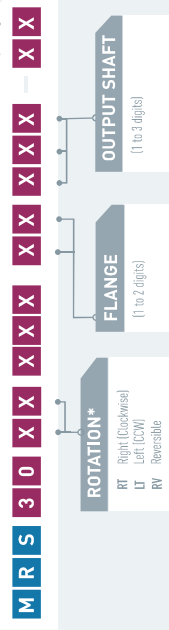


# MOTORS MRS 30

## POWER 2500-3200 W



MRS 30



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

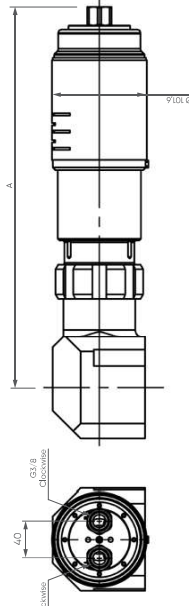
### OPTIONS AVAILABLE FOR THIS MOTOR

Collected exhaust	00	01	02	03	04	05	07	09	10	12	13	14	16	17	21	22	29	30
ATEX certification																		
LED (Right switch*)																		
Lubrication free																		
Kit start																		
Code																		

\* Reversible motors only

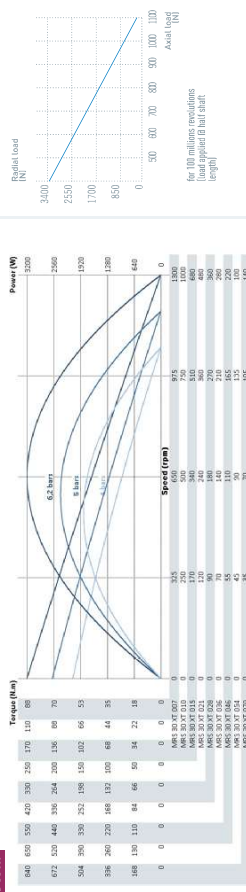
### LAYOUT

MRS 30

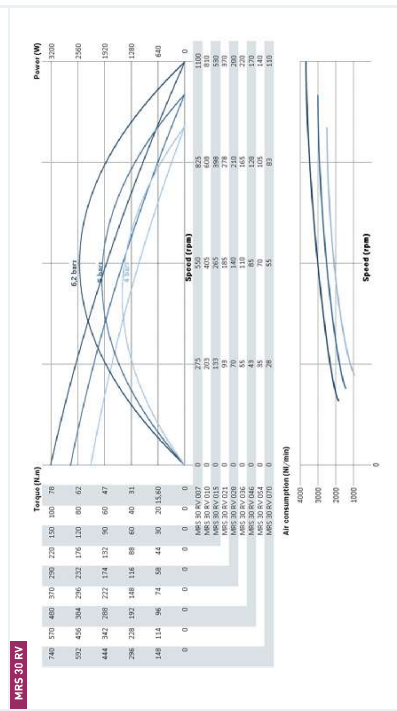


### POWER, SPEED, TORQUE AND AIR CONSUMPTION GRAPHS

MRS 30 XT



### NOTES



MRS 30 RV

### PERFORMANCES

MRS 30 XT	Air motor reference	Reduction ratio	Air supply pressure	Speed (rpm)			Torque (N.m)		Max Power (W)	Air co-ef (NI/mm)	Dimensions	
				@ max Power	Free	1/2	@ max Power	Max (stall)			A (mm)	Ø (mm)
MRS 30 XT 007	MRS 30 XT 007	7	6.2 bars	673	1345	98	88	3208	3100	411.6	101.6	13.3
MRS 30 XT 010	MRS 30 XT 010	10	5 bars	553	1107	58	51	1858	2000	411.6	101.6	13.3
MRS 30 XT 015	MRS 30 XT 015	15	4 bars	428	855	41	35	1358	2000	411.6	101.6	13.3
MRS 30 XT 021	MRS 30 XT 021	21	4 bars	308	616	27	23	958	2000	411.6	101.6	13.3
MRS 30 XT 028	MRS 30 XT 028	28	4 bars	280	560	23	19	858	2000	411.6	101.6	13.3
MRS 30 XT 036	MRS 30 XT 036	36	4 bars	238	475	19	15	720	2000	411.6	101.6	13.3
MRS 30 XT 046	MRS 30 XT 046	46	4 bars	195	390	14	11	558	2000	411.6	101.6	13.3
MRS 30 XT 054	MRS 30 XT 054	54	4 bars	166	330	11	8	468	2000	411.6	101.6	13.3
MRS 30 XT 070	MRS 30 XT 070	70	4 bars	122	243	7	5	327	2000	411.6	101.6	13.3

### PERFORMANCES

MRS 30 RV	Air motor reference	Reduction ratio	Air supply pressure	Speed (rpm)			Torque (N.m)		Max Power (W)	Air co-ef (NI/mm)	Dimensions	
				@ max Power	Free	1/2	@ max Power	Max (stall)			A (mm)	Ø (mm)
MRS 30 RV 007	MRS 30 RV 007	7	6.2 bars	576	1052	46	38	2509	3000	411.6	101.6	13.5
MRS 30 RV 010	MRS 30 RV 010	10	5 bars	484	967	39	31	1976	2400	411.6	101.6	13.5
MRS 30 RV 015	MRS 30 RV 015	15	4 bars	340	680	27	21	1381	2000	411.6	101.6	13.5
MRS 30 RV 021	MRS 30 RV 021	21	4 bars	295	592	23	18	1177	2000	411.6	101.6	13.5
MRS 30 RV 028	MRS 30 RV 028	28	4 bars	246	481	18	13	881	2000	411.6	101.6	13.5
MRS 30 RV 036	MRS 30 RV 036	36	4 bars	203	406	15	10	718	2000	411.6	101.6	13.5
MRS 30 RV 046	MRS 30 RV 046	46	4 bars	169	337	11	8	558	2000	411.6	101.6	13.5
MRS 30 RV 054	MRS 30 RV 054	54	4 bars	142	281	9	6	468	2000	411.6	101.6	13.5
MRS 30 RV 070	MRS 30 RV 070	70	4 bars	111	221	7	5	355	2000	411.6	101.6	13.5

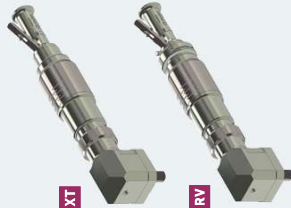
Data indicated in this table have an accuracy of +/- 3%



# MOTORS POWER

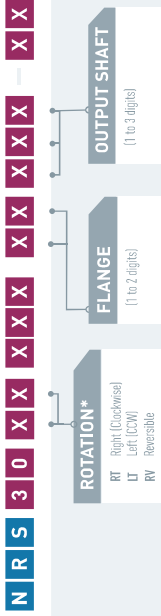
## NRS 30

### 2500-3200 W



NRS 30 XT

NRS 30 RV



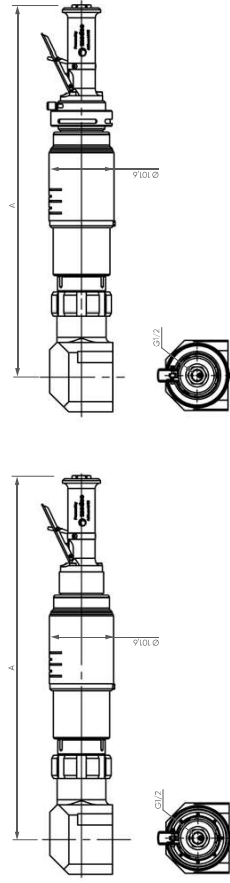
\* rotation direction is defined when looking from the back of the motor

OPTIONS AVAILABLE FOR THE NRS 30 XT				OPTIONS AVAILABLE FOR THE NRS 30 RV			
Collected exhaust	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ATEX certification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ATEX certification	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Left/Right switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lubrication free	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lubrication free	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Kit start	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Kit start	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Code	00	01	02	03	04	05	07
	09	10	13	14	21	22	29
	30						

### LAYOUT

NRS 30 XT

NRS 30 RV



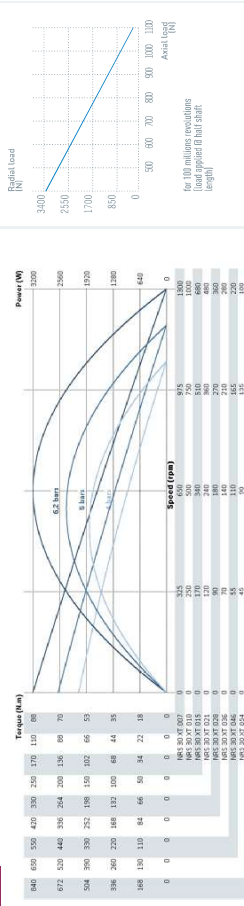
## PERFORMANCES

Air motor reference	Reduction ratio	Air supply pressure	Speed (rpm)			Torque (N.m)			Max Power (W)			Air cons (NI/min)			Dimensions		
			@ max Power	Free	100%	@ max Power	Max (Istall)	Starting torque	@ max Power	Starting torque	Max (Istall)	Starting torque	Air cons (NI/min)	A (mm)	Ø (mm)	Weight (kg)	
NRS 30 XT 007	7	6,2 bars	673	1345	88	78	3208	3100	576,1	101,6	14,4						
NRS 30 XT 010	10	5 bars	608	1217	38	71	63	2500	576,1	101,6	14,4						
NRS 30 XT 015	15	4 bars	553	1107	32	58	51	1858	576,1	101,6	14,4						
NRS 30 XT 021	21	3 bars	470	940	29	47	40	1474	576,1	101,6	14,4						
NRS 30 XT 028	28	2 bars	428	855	26	41	35	1088	576,1	101,6	14,4						
NRS 30 XT 036	36	1,5 bars	340	681	20	31	26	800	576,1	101,6	14,4						
NRS 30 XT 046	46	1,1 bars	308	616	17	27	22	600	576,1	101,6	14,4						
NRS 30 XT 054	54	0,9 bars	273	565	15	24	19	480	576,1	101,6	14,4						
NRS 30 XT 070	70	0,7 bars	238	475	10	17	14	300	576,1	101,6	14,4						
NRS 30 RV 007	7	6,2 bars	526	1052	46	78	59	2509	587	101,6	14,8						
NRS 30 RV 010	10	5 bars	440	880	32	66	50	1976	587	101,6	14,8						
NRS 30 RV 015	15	4 bars	366	726	25	53	39	1481	587	101,6	14,8						
NRS 30 RV 021	21	3 bars	293	604	19	42	31	1116	587	101,6	14,8						
NRS 30 RV 028	28	2 bars	223	445	14	32	23	811	587	101,6	14,8						
NRS 30 RV 036	36	1,5 bars	171	342	11	24	17	600	587	101,6	14,8						
NRS 30 RV 046	46	1,1 bars	142	284	8	20	14	481	587	101,6	14,8						
NRS 30 RV 054	54	0,9 bars	135	271	8	19	13	465	587	101,6	14,8						
NRS 30 RV 070	70	0,7 bars	110	219	6	15	10	350	587	101,6	14,8						
		5 bars	92	183	5	12	9	262	587	101,6	14,8						
		4 bars	85	169	4	11	8	239	587	101,6	14,8						
		3 bars	78	155	3	10	7	197	587	101,6	14,8						
		2 bars	72	144	3	9	6	144	587	101,6	14,8						
		1,5 bars	66	132	2	8	5	108	587	101,6	14,8						
		1,1 bars	55	111	2	7	4	81	587	101,6	14,8						
		0,9 bars	51	102	2	6	4	73	587	101,6	14,8						
		0,7 bars	46	93	2	5	3	60	587	101,6	14,8						

Data indicated in this table have an accuracy of ±4-5%

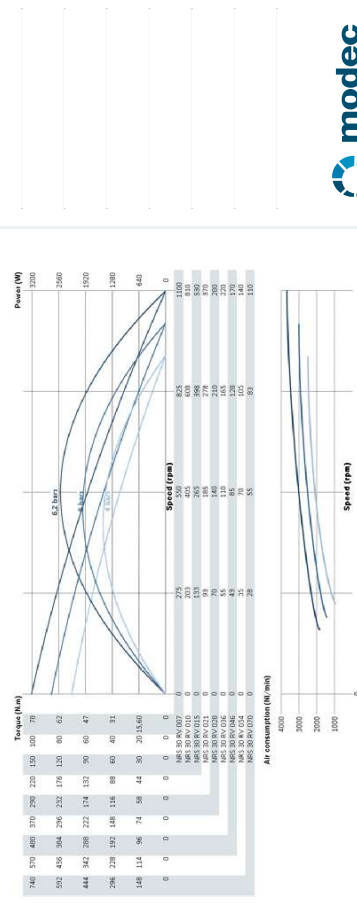
### POWER, SPEED, TORQUE AND AIR CONSUMPTION GRAPHS

NRS 30 XT



### NOTES

NRS 30 RV



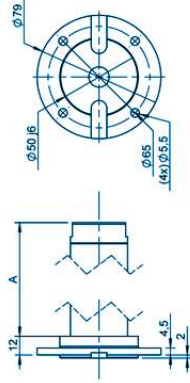
# FLANGES & SHAFTS

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.

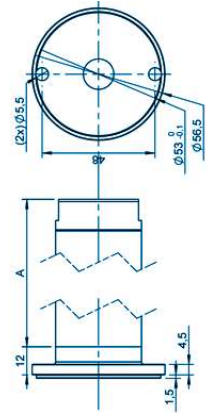
## FLANGES & SHAFTS GROUP I

MTE 05 MTS 05

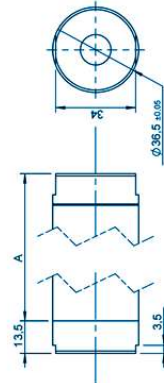
GROUP I FLANGE AA



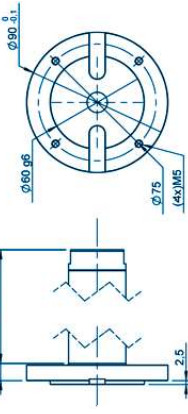
GROUP I FLANGE B



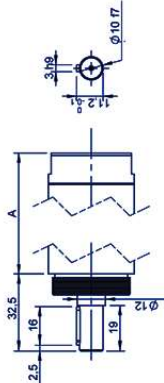
GROUP I FLANGE P



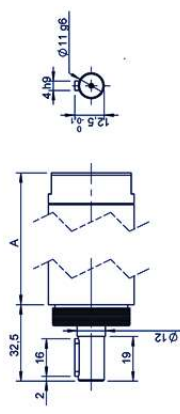
GROUP I FLANGE S - IEC63B14



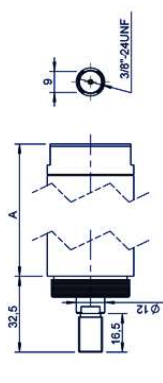
GROUP I SHAFT CL1 - KEYED Ø10



GROUP I SHAFT CL2 - KEYED Ø11 - IEC63B14



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

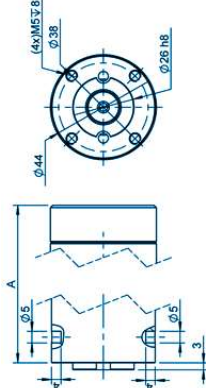


You didn't find your match ?  
Contact us !

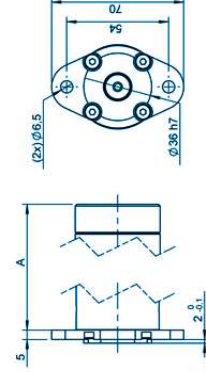
## FLANGES & SHAFTS GROUP II (1/2)

MTE 07 MTS 07

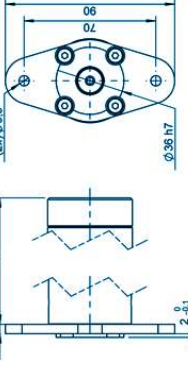
GROUP II FLANGE AA



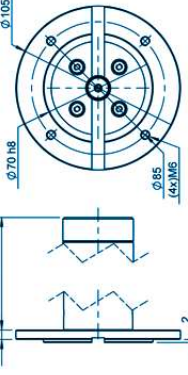
GROUP II FLANGE AB



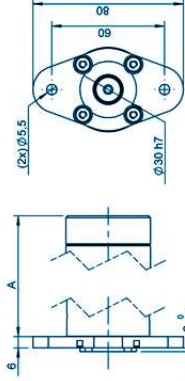
GROUP II FLANGE AC



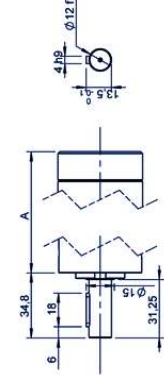
GROUP II FLANGE AD - IEC 71B14



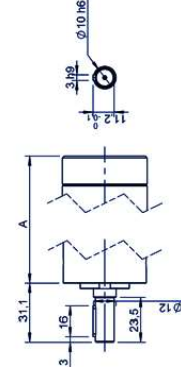
GROUP II FLANGE AE



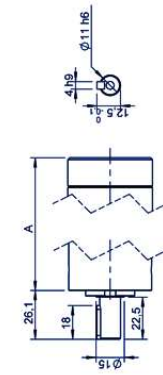
GROUP II SHAFT 001 - KEYED Ø12



GROUP II SHAFT 004 - KEYED Ø10



GROUP II SHAFT 006 - KEYED Ø11

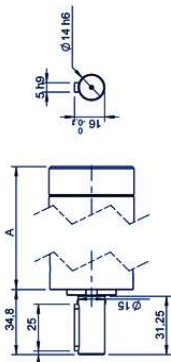




SHAFTS **GROUP II** (2/2)

MTE 07 MTS 07

**GROUP II** SHAFT S01 - KEYED Ø14 - IEC 71B14

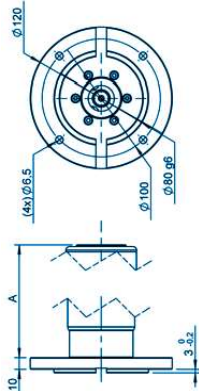


You didn't find your match ?  
Contact us !

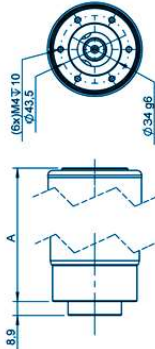
FLANGES & SHAFTS **GROUP III**

XTE 08 XTE 10 XTE 20 XTE 25

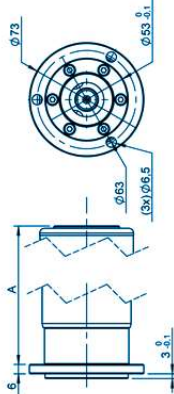
**GROUP III** FLANGE AB - IEC 80B14



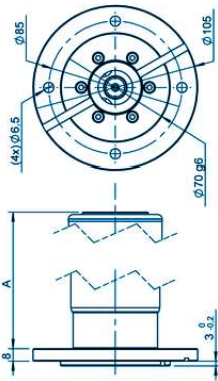
**GROUP III** FLANGE AA



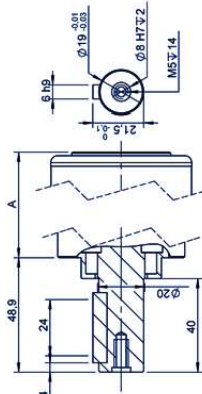
**GROUP III** FLANGE B



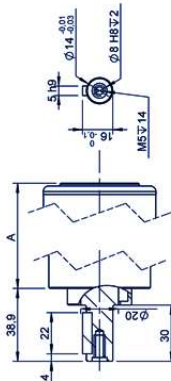
**GROUP III** FLANGE FJ - IEC 71B14



**GROUP III** SHAFT 001 - KEYED Ø19 - IEC 80B14



**GROUP III** SHAFT C25 - KEYED Ø14 - IEC 71B14



You didn't find your match ?

Contact us !

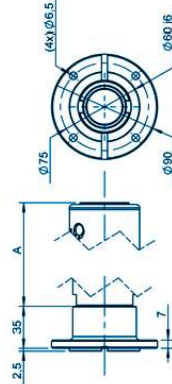
FLANGES **GROUP IV** (1/3)

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

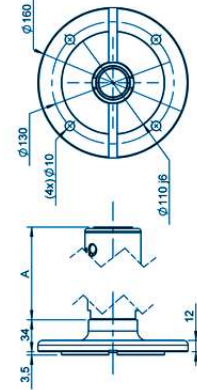
FLANGES **GROUP IV** (3/3)



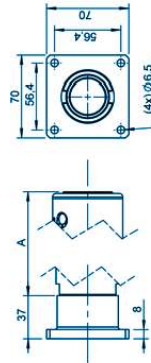
**GROUP IV** FLANGE AB - IEC43B14



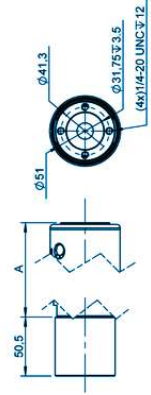
**GROUP IV** FLANGE AC - IEC71B5



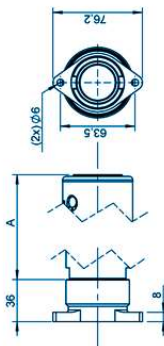
**GROUP IV** FLANGE AF



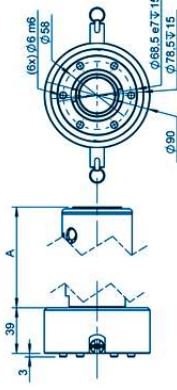
**GROUP IV** FLANGE AH



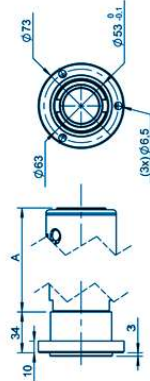
**GROUP IV** FLANGE AS



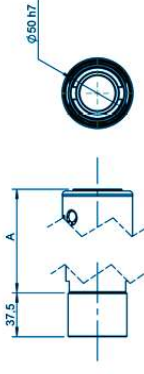
**GROUP IV** FLANGE AX - ARP



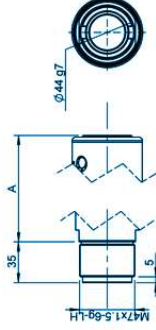
**GROUP IV** FLANGE B



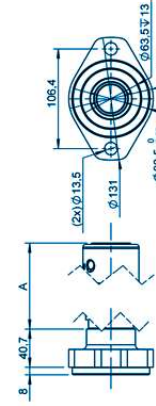
**GROUP IV** FLANGE B0



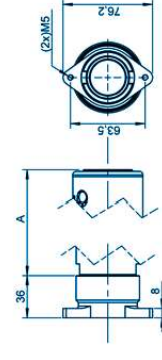
**GROUP IV** FLANGE F



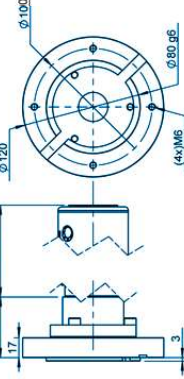
**GROUP IV** FLANGE FH



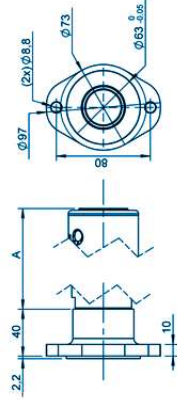
**GROUP IV** FLANGE J



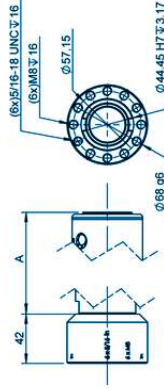
**GROUP IV** FLANGE FJ - IEC80B14



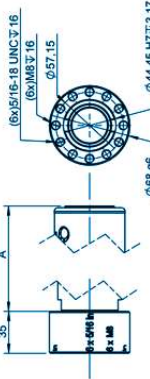
**GROUP IV** FLANGE L



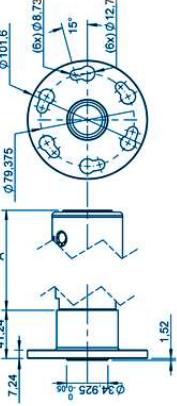
**GROUP IV** FLANGE M



**GROUP IV** FLANGE N



**GROUP IV** FLANGE Q



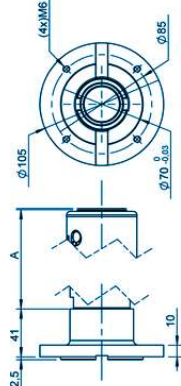
FLANGES **GROUP IV** (3/3)

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

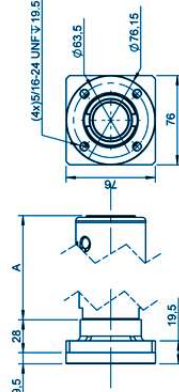
SHAFTS **GROUP IV** (1/3)

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

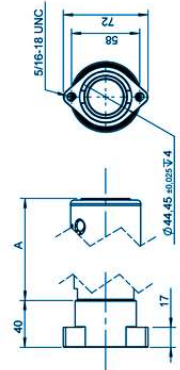
**GROUP IV** FLANGER - IEC71B14



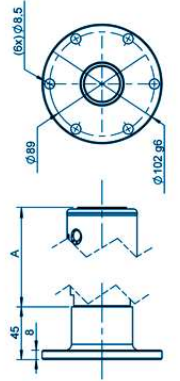
**GROUP IV** FLANGES



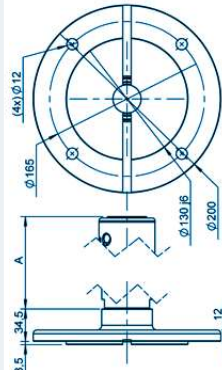
**GROUP IV** FLANGE U



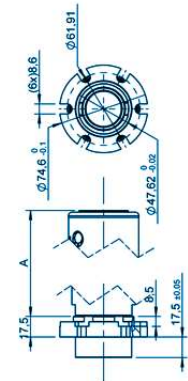
**GROUP IV** FLANGE V



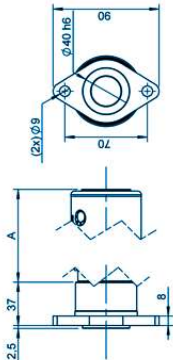
**GROUP IV** FLANGE W - IEC80B5



**GROUP IV** FLANGE Y

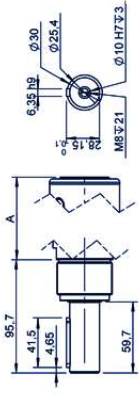


**GROUP IV** FLANGE Z

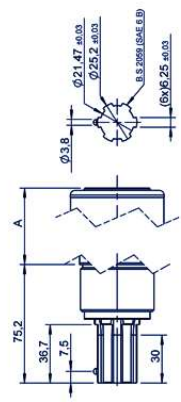


You didn't find  
your match ?  
Contact us !

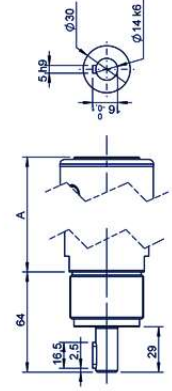
**GROUP IV** SHAFT 007 - KEYED Ø1"



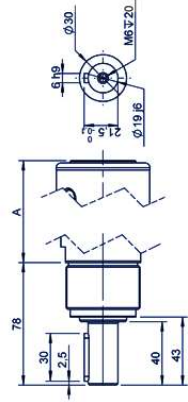
**GROUP IV** SHAFT 019 - SPLINED ARP



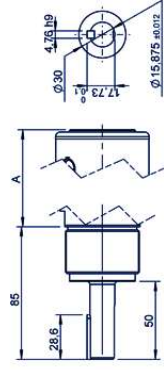
**GROUP IV** SHAFT C11 - KEYED Ø14 - IEC71B5 - IEC71B14



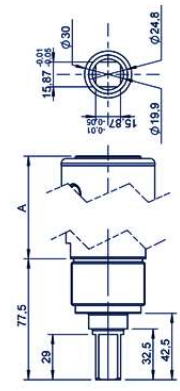
**GROUP IV** SHAFT C12 - KEYED Ø19 - IEC80B5 - IEC80B14



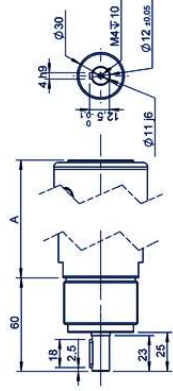
**GROUP IV** SHAFT C15 - KEYED Ø5/8"



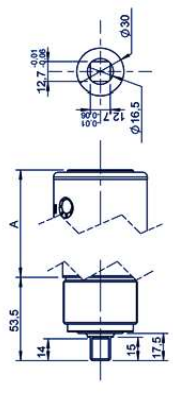
**GROUP IV** SHAFT C16 - SQUARE Ø5/8"



**GROUP IV** SHAFT C19 - KEYED Ø11 - IEC43B14



**GROUP IV** SHAFT CA1 - SQUARE Ø1/2"

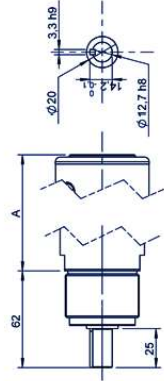


SHAFTS **GROUP IV** (2/3)

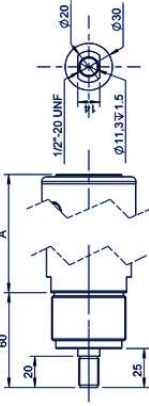
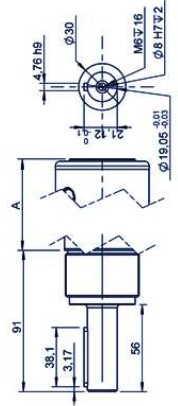
SHAFTS **GROUP IV** (3/3)

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

**GROUP IV** SHAFT CL1 - KEYED Ø1/2"

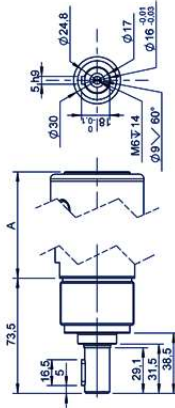


**GROUP IV** SHAFT CL2 - KEYED Ø3/4"

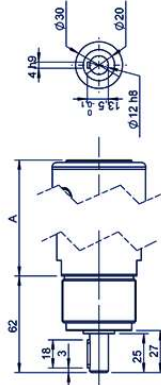


You didn't find your match ?  
Contact us !

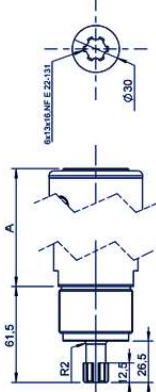
**GROUP IV** SHAFT CL6 - KEYED Ø16



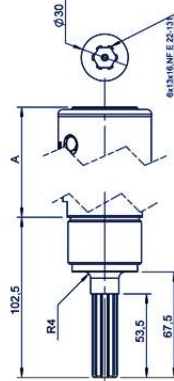
**GROUP IV** SHAFT CL9 - KEYED Ø12



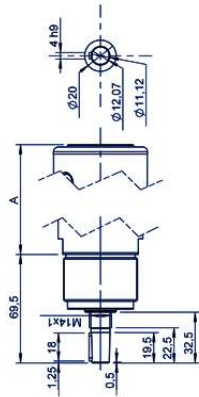
**GROUP IV** SHAFT CNC - SPLINED SHORT



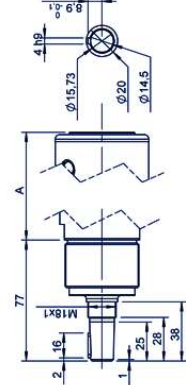
**GROUP IV** SHAFT CNL - SPLINED LONG



**GROUP IV** SHAFT CONICAL B12



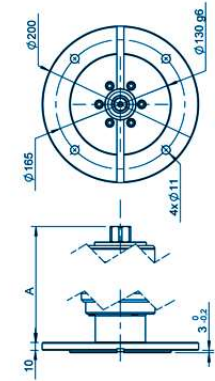
**GROUP IV** SHAFT CONICAL B16



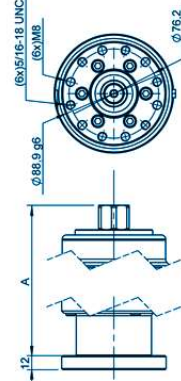
FLANGES & SHAFTS **GROUP V**

XTE 30

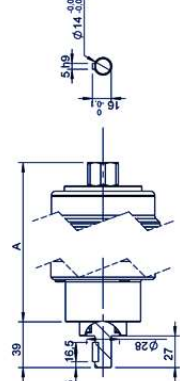
**GROUP V** FLANGE AB - IEC 80B5 - IEC 90B5



**GROUP V** FLANGE B



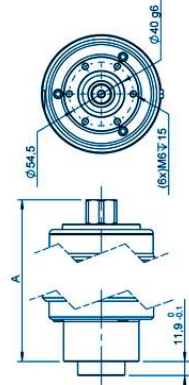
**GROUP V** SHAFT 002 - KEYED Ø14



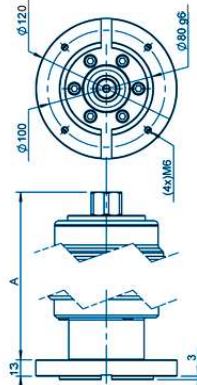
You didn't find your match ?

Contact us !

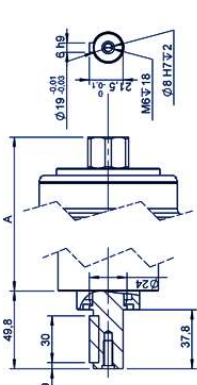
**GROUP V** FLANGE AA



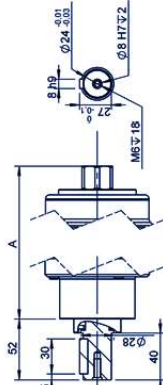
**GROUP V** FLANGE AC - IEC 80B14



**GROUP V** SHAFT 001 - KEYED Ø19 - IEC 80B14 - IEC 80B5



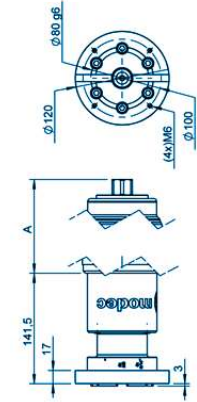
**GROUP V** SHAFT CL6 - KEYED Ø24 - IEC 90B5



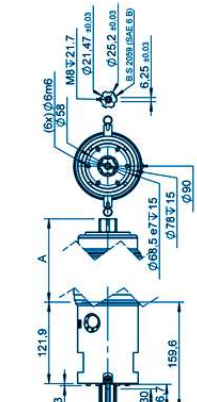
FLANGES **GROUP VI**

XTZ 08 XTZ 10 XTZ 20 XTZ 25 XTS 30

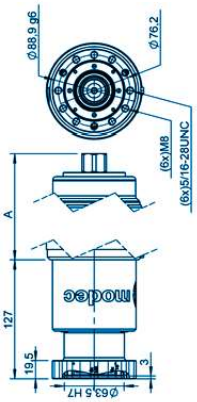
**GROUP VI** FLANGE AB - IEC80B14



**GROUP VI** FLANGE AI WITH SHAFT CNW



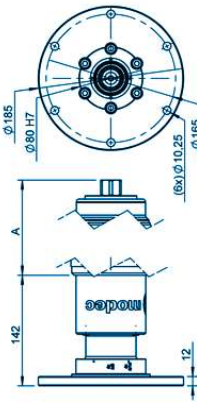
**GROUP VI** FLANGE B



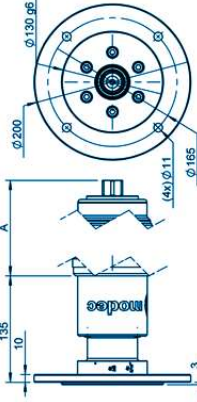
You didn't find your match ?

Contact us !

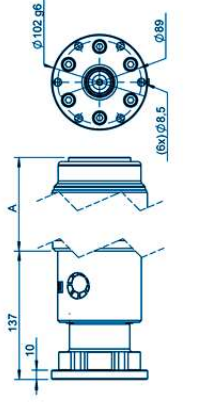
**GROUP VI** FLANGE AA



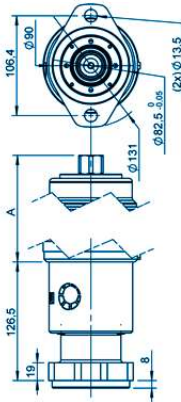
**GROUP VI** FLANGE AG - IEC80B5



**GROUP VI** FLANGE AL



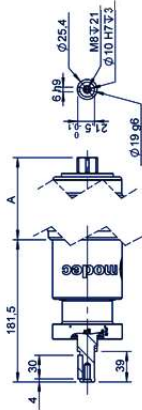
**GROUP VI** FLANGE H



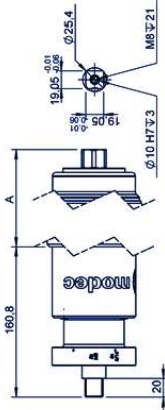
SHAFTS **GROUP VI**

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

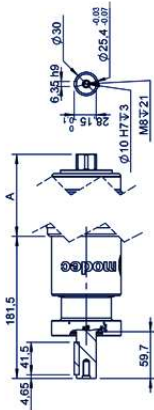
**GROUP VI** SHAFT 003 - KEYED Ø19 - IEC 80B14 - IEC 80B5



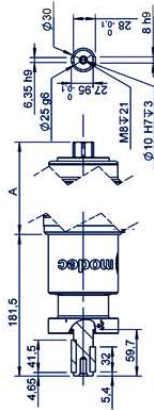
**GROUP VI** SHAFT CA1 - SQUARE 3/4"



**GROUP VI** SHAFT CL2 - KEYED Ø11"



**GROUP VI** SHAFT CL4 - KEYED Ø25



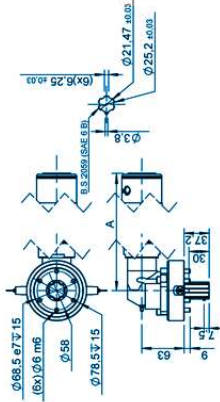
You didn't find  
your match ?

Contact us !

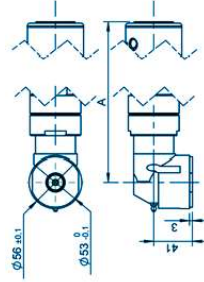
FLANGES **GROUP VII**

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

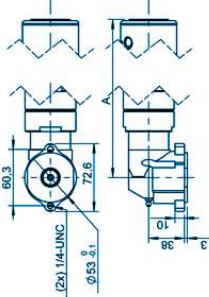
**GROUP VII** FLANGE AG WITH SHAFT 013



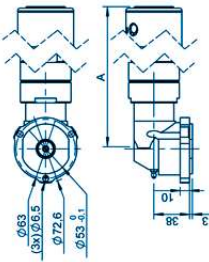
**GROUP VII** FLANGE AF



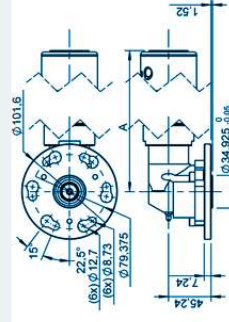
**GROUP VII** FLANGE E



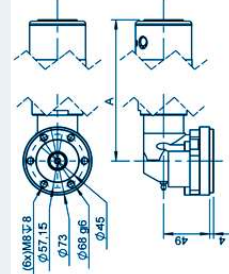
**GROUP VII** FLANGE B



**GROUP VII** FLANGE Q



**GROUP VII** FLANGE M



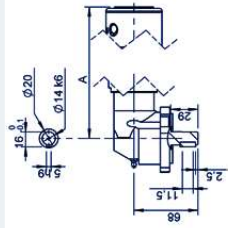
You didn't find  
your match ?

Contact us !

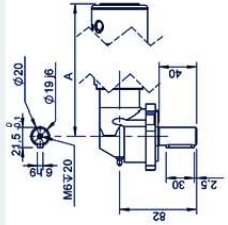
SHAFTS **GROUP VII** (1/2)

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

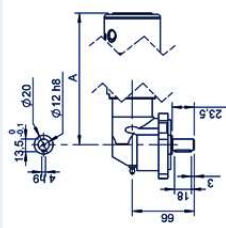
**GROUP VII** SHAFT 021 - KEYED Ø14



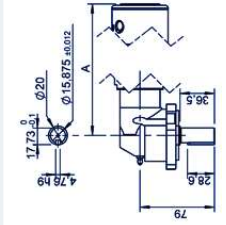
**GROUP VII** SHAFT C12 - KEYED Ø19



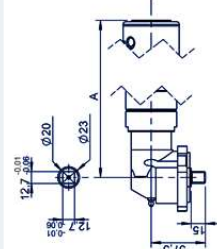
**GROUP VII** SHAFT C13 - KEYED Ø12



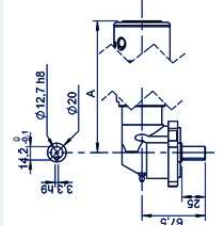
**GROUP VII** SHAFT C14 - KEYED Ø5/8"



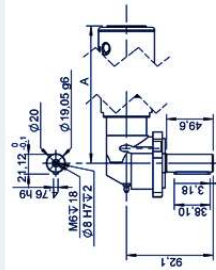
**GROUP VII** SHAFT CA1 - SQUARE 1/2"



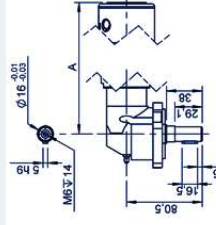
**GROUP VII** SHAFT CL1 - KEYED Ø1/2"



**GROUP VII** SHAFT CL2 - KEYED Ø3/4"



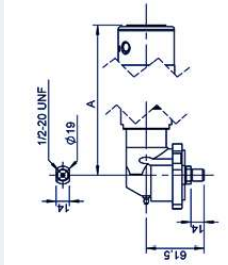
**GROUP VII** SHAFT CL6 - KEYED Ø16



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

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

**GROUP VII** SHAFT F11 - THREADED Ø1/2"

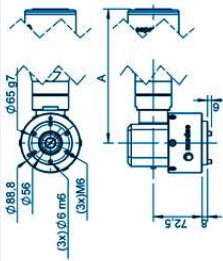


You didn't find your match ?  
Contact us !

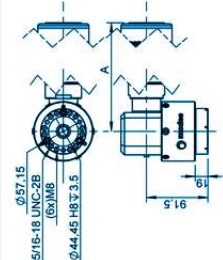
FLANGES **GROUP VIII**

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

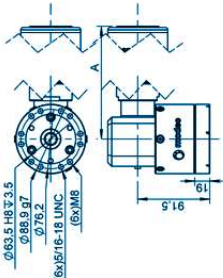
**GROUP VIII** FLANGE AA



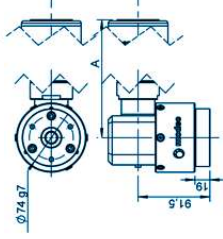
**GROUP VIII** FLANGE AB



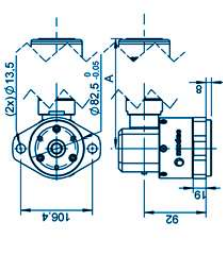
**GROUP VIII** FLANGE AC



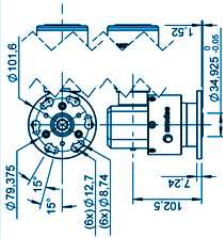
**GROUP VIII** FLANGE AD



**GROUP VIII** FLANGE AE



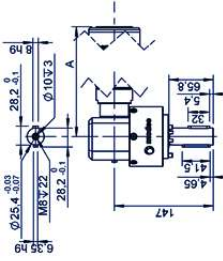
**GROUP VIII** FLANGE Q



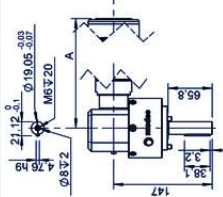
SHAFTS **GROUP VIII**

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

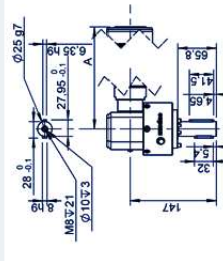
**GROUP VIII** SHAFT 001 - KEYED Ø1"



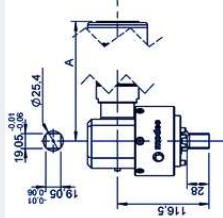
**GROUP VIII** SHAFT 002 - KEYED Ø3/4"



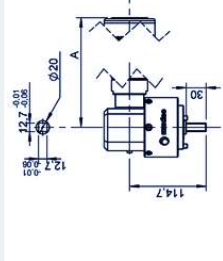
**GROUP VIII** SHAFT 003 - KEYED Ø25



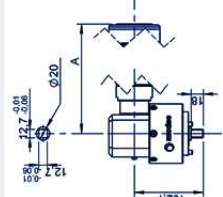
**GROUP VIII** SHAFT 004 - SQUARE 3/4"



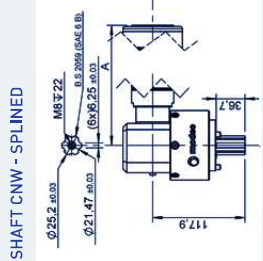
**GROUP VIII** SHAFT 005 - SQUARE 1/2" LONG



**GROUP VIII** SHAFT CA1 - SQUARE 1/2" SHORT



You didn't find your match ?  
Contact us !



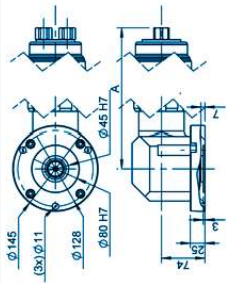
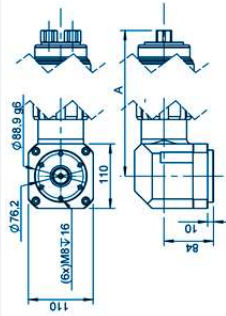
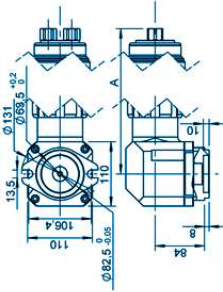
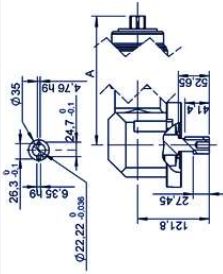
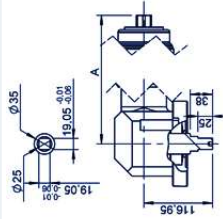
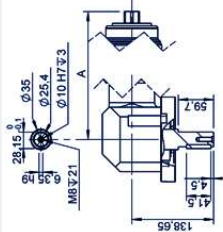
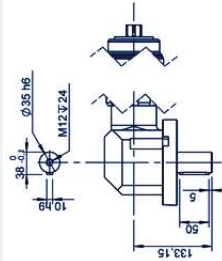
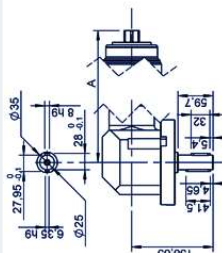
**GROUP VIII** SHAFT CNW - SPLINED

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										

\*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 IIIc 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 <sup>3</sup>	80 cm <sup>3</sup>	181 cm <sup>3</sup>
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	2,7 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.

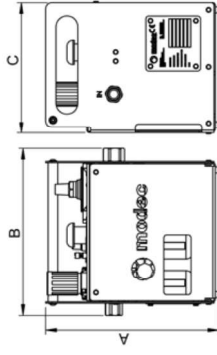
All these safety features are energized by air pressure, without any other source of energy required. This makes it possible to have it ATEX certified on request.

### 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/m<sup>3</sup>
  - 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	AC411	AC413	AC432
30 RT	AC412	AC414	N/A
30 RV	AC414	AC416	AC432
Assembly on a safety handle	N/A	AC440	N/A
SAT Box remote control handle	AC405	N/A	N/A

## FILTERS & SILENCERS

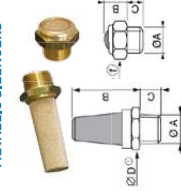
### 1 • STANDARD EXHAUST SILENCERS

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

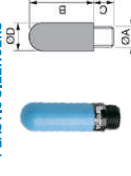


Reference	AC169	AC168	AC180	AC181	AC164	AC182
Operating pressure	p → 10 bars					
Ambient temperature	-10°C → +80°C					
Connection (DA)	G 1/4	G 1/4	G 1/4	G 1/4	G 1/2	G 1/4
Dimensions (B x C x ØD) (mm)	10 x 6 x 13	22,4 x 5,6 x 13	41,6 x 8,4 x 16	49,2 x 8,8 x 24	54,6 x 11,4 x 27	82,3 x 12,7 x 36
Weight	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
Dimensions (B x C x ØD) (mm)	27,6 x 7,3	34 x 7 x 15	55 x 11 x 18	62,4 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.



Reference	AC167	AC154	AC155	AC158	AC156	AC157
Operating pressure	0 → 14 bars					
Ambient temperature	-20°C → +110°C					
Connection	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"
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					

Zinc-plated steel diaphragm body, brass sieve

## 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.



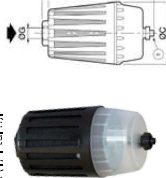
Reference	AC158	AC159	AC160
Operating pressure	0 → 10 bars		
Ambient temperature	-40°C → +145°C		
Connection	6 1/2"	6 1/2"	6 1/2"
Dimensions (A x B x C) (mm)	152 x 80	183 x 85	222 x 98
Weight	340	450 g	590 g
Suitable for motors	Refer to table p.181		

## 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		
Ambient temperature	-5°C → +50°C		
Connection (Ø)	6 1/2"	6 1/2"	6 1/2"
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 1/4"	6 1/4"	6 1/4"	6 1/4"
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 23 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 fittings for assembly on all motors inlet ports.

Reference	AC186	AC187	AC188	AC189	AC190	AC191	AC192
Operating pressure	0 → 17 bars						
Ambient temperature	-40°C → +120°C						
Air motor inlet connection	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"
Air supply connection	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"	6 1/4"
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	AC303	AC304	AC305	AC306
Lube free	AC310	AC311	AC312	AC313	AC314	AC315	AC316
Kit start	AC320	AC321	AC322	AC323	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: G1/4	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 AC168	AC166 AC167	AC165 AC166	AC164 AC165	AC163 AC164	AC162 AC163	AC161 AC162	AC160 AC161
Power impact	-14%	-10%	-10%	-10%	-10%	-10%	-10%	-10%	-10%
Reference	AC167 AC168	AC166 AC167	AC165 AC166	AC164 AC165	AC163 AC164	AC162 AC163	AC161 AC162	AC160 AC161	AC159 AC160
Power impact	-14%	-10%	-10%	-10%	-10%	-10%	-10%	-10%	-10%
Reference	AC168 AC169	AC167 AC168	AC166 AC167	AC165 AC166	AC164 AC165	AC163 AC164	AC162 AC163	AC161 AC162	AC160 AC161
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 1/4"	6 1/4"	6 1/4"	6 1/4"
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

[www.modtec.fr](http://www.modtec.fr)  
+33 475 402 715  
sales@modtec.fr