

MAX POWER
710 W
MAX TORQUE
730 Nm

"08" series air motors **exist in many versions**, straight shaft or right angle drive, with or without integrated control handle, and with many different flanges and output shafts available as standard.

That air motor is also **available with 4 types of integrated gearboxes**, enabling it to adapt to many different **applications**, whether high speed is required (Easy duty), good balance between speed and torque (Standard duty) or high torque and robustness is mandatory (Heavy duty and Super Heavy duty).

With a maximum power of 700 W, it is **one of the most versatile air motors in the range**.

+ ACCESSORIES FOR THIS MOTOR	Reference
Filtration, pressure Regulation and Lubrication unit (FRL)	AC107
Safety Air Treatment Box (SAT Box)	AC118
With Pedal remote control	AC119
With handle remote control	AC120
With remote emergency kill 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 "08" series	AC302
Maintenance kit for lube free "08" series	AC312
Maintenance kit for kit start "08" series	AC322
Control handles	
Safety control handle for non reversible motor	AC415
Safety control handle for reversible motor	AC416
Progressive control handle for non reversible motor	AC417
Progressive control handle for reversible motor	AC418
modec Oil Co-16	AC149
Filters and silencers	
Metallic standard exhaust silencer	AC181
Metallic standard inlet silencer	AC180
Plastic standard exhaust silencer	AC183
Plastic standard inlet silencer	AC150
Heavy duty exhaust silencer	AC155
Heavy duty inlet silencer	AC154
Speed control muffler	AC172
High flow air muffler	AC158
Exhaust silencer filter	AC165

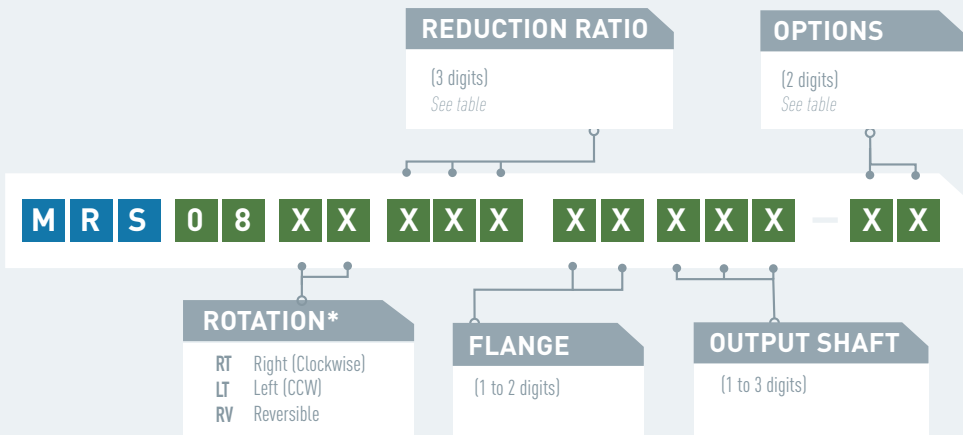
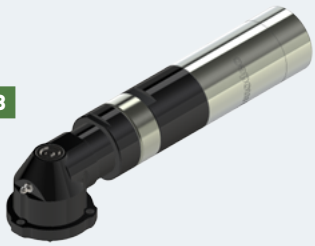
CONNECTION AND LUBRICATION				
	Min. fittings Ø		Min. pipe Ø	
	In	Out	In	Out
	7 mm / 0,3 In	10 mm / 0,4 In	9 mm / 0,4 In	13 mm / 0,5 In
	Lubrication (6,2 bars)			
	4 drops / minute			

CONVERSION TABLE		
Watt ➤ Horse power	Newton meter ➤ Pound feet	Millimeter ➤ Inch
Watt x 0,001341 = hp	Nm x 0,7376 = lb.ft	mm x 0,03937 = in
Bar ➤ Pound per square Inch	Normo Liter / minute ➤ Standard cubic feet per minute	Kilogram ➤ Pound
Bar x 14,5 = psi	NL / min x 0,03531 = scfm	Kg x 2,205 = lb



MOTOR MRS 08
POWER 530-640 W

MRS 08



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

PERFORMANCES

MRS 08 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)	Starting torque			A (mm)	Ø (mm)	Weight (kg)
MRS 08 XT 006		6	6,2 bars	1458	2916	4,1	7,9	7,0	623	1000	228,9	54	2,9
			5 bars	1363	2726	3,3	6,4	5,6	477	850			
			4 bars	1256	2512	2,7	5,0	4,4	353	650			
MRS 08 XT 008		8	6,2 bars	1217	2434	4,9	9,5	8,3	623	1000	228,9	54	2,9
			5 bars	1138	2276	4,0	7,7	6,8	477	850			
			4 bars	1049	2097	3,2	6,0	5,3	353	650			
MRS 08 XT 010		10	6,2 bars	955	1909	6,2	12	11	623	1000	228,9	54	2,9
			5 bars	893	1785	5,1	9,8	8,6	477	850			
			4 bars	823	1645	4,1	7,6	6,7	353	650			
MRS 08 XT 014		14	6,2 bars	666	1333	8,9	17	15	623	1000	228,9	54	2,9
			5 bars	623	1246	7,3	14	12	477	850			
			4 bars	574	1149	5,9	11	9,6	353	650			
MRS 08 XT 031		31	6,2 bars	309	618	18	32	28	571	1000	255,9	54	3,1
			5 bars	283	566	15	25	22	435	850			
			4 bars	257	514	12	19	17	322	650			
MRS 08 XT 037		37	6,2 bars	258	516	21	38	33	571	1000	255,9	54	3,1
			5 bars	236	473	18	30	27	435	850			
			4 bars	215	429	14	23	20	322	650			
MRS 08 XT 047		47	6,2 bars	202	405	27	48	42	571	1000	255,9	54	3,1
			5 bars	185	371	22	38	34	435	850			
			4 bars	168	337	18	30	26	322	650			
MRS 08 XT 056		56	6,2 bars	169	338	32	58	51	571	1000	255,9	54	3,1
			5 bars	155	310	27	46	40	435	850			
			4 bars	141	281	22	35	31	322	650			
MRS 08 XT 071		71	6,2 bars	133	265	41	74	65	571	1000	255,9	54	3,1
			5 bars	121	243	34	59	52	435	850			
			4 bars	110	220	28	45	40	322	650			
MRS 08 XT 080		80	6,2 bars	118	236	46	83	73	571	1000	255,9	54	3,1
			5 bars	108	216	38	66	58	435	850			
			4 bars	98	196	31	51	45	322	650			
MRS 08 XT 102		102	6,2 bars	93	185	59	106	93	571	1000	255,9	54	3,1
			5 bars	85	169	49	84	74	435	850			
			4 bars	77	154	40	65	57	322	650			
MRS 08 XT 147		147	6,2 bars	64	128	80	153	135	535	1000	279,9	54	3,4
			5 bars	58	116	66	125	110	404	850			
			4 bars	53	106	55	100	88	305	650			

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

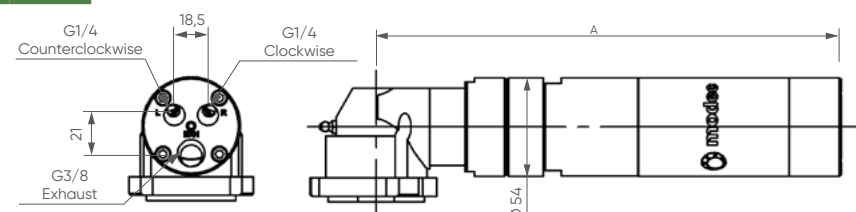
OPTIONS AVAILABLE FOR THIS MOTOR

Collected exhaust	01	03	07	09	10	12	16	17	21	22	29	30
ATEX certification												
Left/Right switch*												
Lubrication free												
Kit start												

* Reversible motors only

LAYOUT

MRS 08

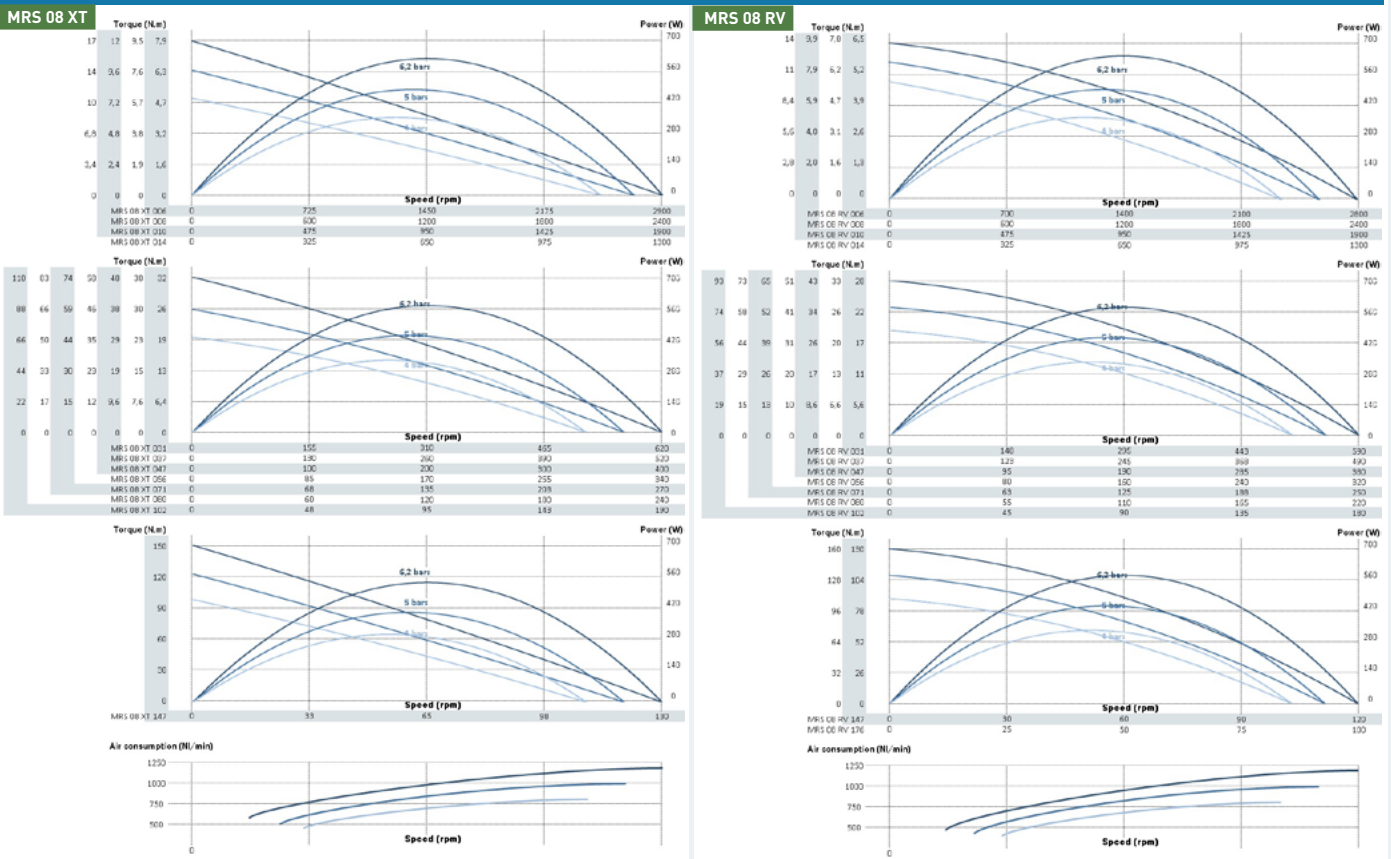


PERFORMANCES

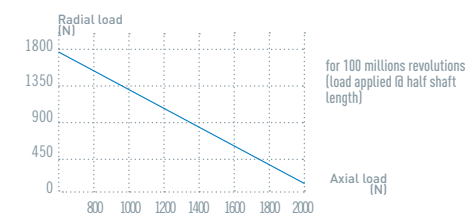
MRS 08 RV	Air motor reference	Reduction ratio	Air supply pressure	Speed (rpm)		Torque (N.m)			Max Power (W)	Air cons (NL/min)	Dimensions		
				@ max Power	Free	@ max Power	Max (stall)	Starting torque			A (mm)	Ø (mm)	Weight (kg)
MRS 08 RV 006		6	6,2 bars	1418	2837	4,3	6,5	5,7	642	950	228,9	54	2,9
			5 bars	1298	2596	3,6	5,7	5,0	490	750			
			4 bars	1182	2365	2,9	4,9	4,3	365	600			
MRS 08 RV 008		8	6,2 bars	1184	2368	5,2	7,8	6,9	642	950	228,9	54	2,9
			5 bars	1084	2167	4,3	6,8	6,0	490	750			
			4 bars	987	1974	3,5	5,8	5,1	365	600			
MRS 08 RV 010		10	6,2 bars	929	1858	6,6	9,9	8,7	642	950	228,9	54	2,9
			5 bars	850	1700	5,5	8,7	7,7	490	750			
			4 bars	774	1549	4,5	7,5	6,6	365	600			
MRS 08 RV 014		14	6,2 bars	648	1297	9,5	14	13	642	950	228,9	54	2,9
			5 bars	593	1187	7,9	12	11	490	750			
			4 bars	541	1081	6,4	11	9,4	365	600			
MRS 08 RV 031		31	6,2 bars	293	586	19	28	25	582	950	255,9	54	3,1
			5 bars	269	539	16	23	20	444	750			
			4 bars	248	497	13	19	17	336	600			
MRS 08 RV 037		37	6,2 bars	245	489	23	33	29	582	950	255,9	54	3,1
			5 bars	225	450	19	28	24	444	750			
			4 bars	207	415	15	23	20	336	600			
MRS 08 RV 047		47	6,2 bars	192	384	29	43	37	582	950	255,9	54	3,1
			5 bars	176	353	24	35	31	444	750			
			4 bars	163	325	20	29	25	336	600			
MRS 08 RV 056		56	6,2 bars	160	320	35	51	45	582	950	255,9	54	3,1
			5 bars	147	295	29	42	37	444	750			
			4 bars	136	272	24	35	31	336	600			
MRS 08 RV 071		71	6,2 bars	126	251	44	65	57	582	950	255,9	54	3,1
			5 bars	116	231	37	54	47	444	750			
			4 bars	106	213	30	44	39	336	600			
MRS 08 RV 080		80	6,2 bars	112	224	50	73	64	582	950	255,9	54	3,1
			5 bars	103	206	41	60	53	444	750			
			4 bars	95	190	34	50	44	336	600			
MRS 08 RV 102		102	6,2 bars	88	175	63	93	82	582	950	255,9	54	3,1
			5 bars	81	161	53	77	68	444	750			
			4 bars	74	149	43	63	56	336	600			
MRS 08 RV 147		147	6,2 bars	61	122	91	134	118	582	950	279,9	54	3,4
			5 bars	56	112	75	111	97	444	750			
			4 bars	52	103	62	91	80	336	600			
MRS 08 RV 176		176	6,2 bars	51	102	109	160	141	582	950	279,9	54	3,4
			5 bars	47	94	90	133	117	444	750			
			4 bars	43	86	74	109	96	336	600			

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

POWER, SPEED, TORQUE AND AIR CONSUMPTION GRAPHS



MAXIMUM RADIAL & AXIAL LOAD



NOTES

FLANGES

GROUP VII

XRH 05

XRH 07

XRS 08

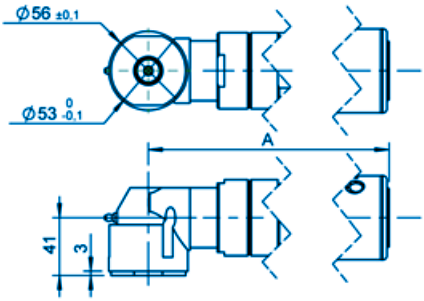
XRS 10

XRS 20

XRS 25

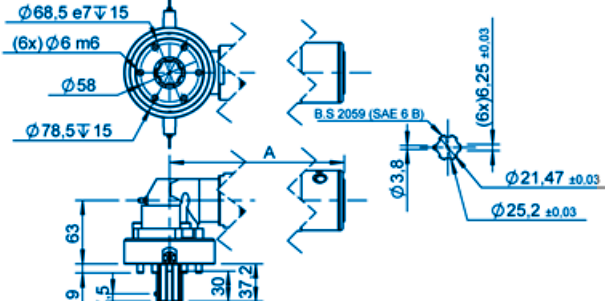
GROUP VII

FLANGE AF



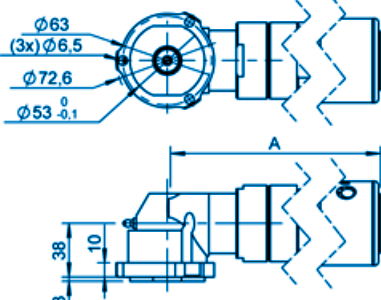
GROUP VII

FLANGE AG WITH SHAFT 013



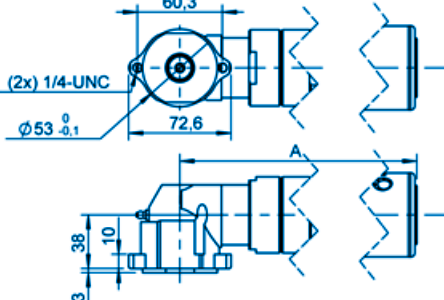
GROUP VII

FLANGE B



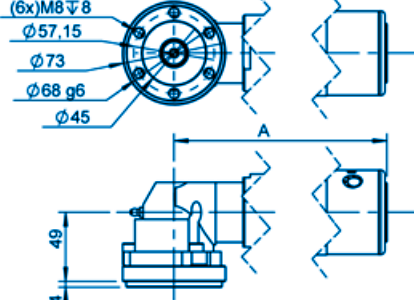
GROUP VII

FLANGE E



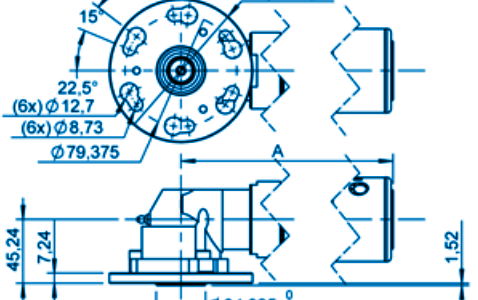
GROUP VII

FLANGE M



GROUP VII

FLANGE Q



You didn't find
your match ?

Contact us !

SHAFTS

GROUP VII (1/2)

XRH 05

XRH 07

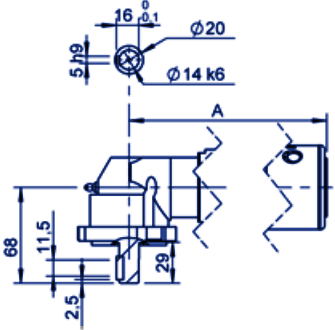
XRS 08

XRS 10

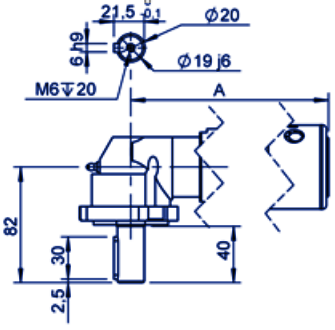
XRS 20

XRS 25

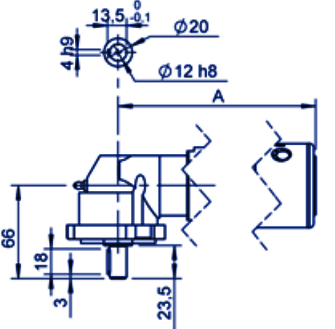
GROUP VII SHAFT 021 - KEYED Ø14



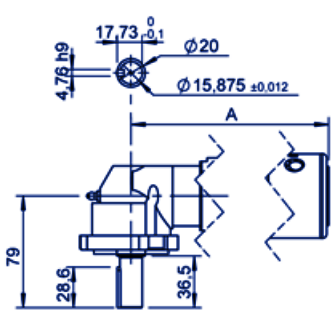
GROUP VII SHAFT C12 - KEYED Ø19



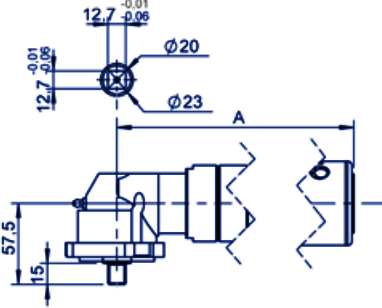
GROUP VII SHAFT C13 - KEYED Ø12



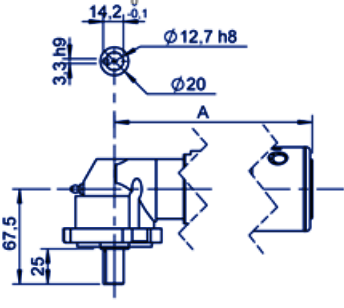
GROUP VII SHAFT C14 - KEYED Ø5/8"



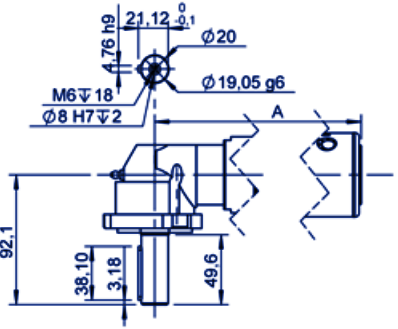
GROUP VII SHAFT CA1 - SQUARE 1/2"



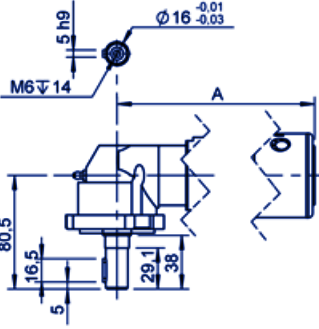
GROUP VII SHAFT CL1 - KEYED Ø1/2"



GROUP VII SHAFT CL2 - KEYED Ø3/4"



GROUP VII SHAFT CL6 - KEYED Ø16



SHAFTS

GROUP VII (2/2)

XRH 05

XRH 07

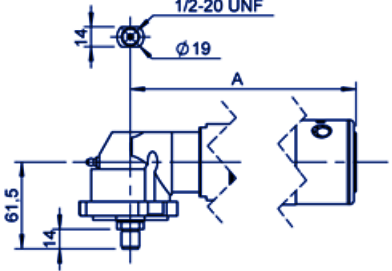
XRS 08

XRS 10

XRS 20

XRS 25

GROUP VII SHAFT FI1 - THREADED Ø1/2"



You didn't find your match ?

Contact us !