

SCOTCH YOKE ACTUATOR  
PNEUMATIC TECHNICAL DATA FOR A & B SERIES



MODEL NO	CYLINDER VOLUME		CFM	SCFM	INLET SIZE CHART C	MOP		MAWP		TIME REQUIRED TO CLOSED CYLINDER AT 100 % LOAD	WEIGHT OF MODEL IN KG
	mm3	feet3 (CF)				BAR	PSIG	BAR	PSI		
B01SP15	50240	0.0018	1.06	11.85	1/8"	13.0	200.0	13.0	200	0.1	4.5
B01SP02	78500	0.0028	0.83	9.26	1/8"	12.0	175.0	13.0	200	0.2	4.7
B01SP24	113040	0.0040	0.80	6.85	1/8"	8.0	150.0	10.0	175	0.3	4.9
B01SP03	176625	0.0062	0.94	5.65	1/8"	5.0	80.0	7.0	100	0.4	5.3
B02SP24	141300	0.0050	1.00	11.11	1/8"	13.0	200.0	13.0	200	0.3	9.2
B02SP03	220781	0.0078	1.04	11.57	1/8"	13.0	175.0	13.0	200	0.45	10
B02SP35	317925	0.0112	0.75	6.90	1/8"	8.0	120.0	12.0	175	0.9	10.5
B02SP43	474925	0.0168	0.91	5.52	1/8"	5.5	80.0	8.0	100	1.1	11
B02SP05	613281	0.0217	0.87	4.12	1/8"	4.0	60.0	6.0	80	1.5	12
A03SP03	273483	0.0097	1.16	12.90	1/8"	13.0	200.0	13.0	200	0.5	18.8
A03SP35	381510	0.0135	1.01	11.25	1/8"	12.0	175.0	13.0	200	0.8	19.4
A03SP04	471000	0.0166	1.00	9.84	1/8"	9.0	120.0	13.0	200	1	19.9
A03SP05	735938	0.0260	0.87	5.78	1/8"	6.0	80.0	9.0	120	1.8	21.2
A03SP06	1059750	0.0374	0.83	3.96	1/8"	4.0	60.0	6.0	80	2.7	22.4
A04SP04	596600	0.0211	2.11	23.45	1/4"	13.0	200.0	13.0	200	0.6	27.5
A04SP05	932188	0.0329	1.98	21.99	1/4"	12.0	175.0	13.0	200	1	28.8
A04SP06	1342350	0.0474	1.90	17.48	1/4"	8.0	120.0	13.0	175	1.5	30.17
A04SP07	1886022	0.0666	2.22	14.81	1/4"	6.0	80.0	9.0	120	1.8	30.6
A04SP08	2463376	0.0870	2.27	12.25	1/4"	4.0	70.0	7.0	80	2.3	34.6
A05SP05	1103906	0.0390	2.13	23.67	1/4"	13.0	200	13.0	200	1.1	38.4
A05SP06	1589625	0.0561	2.25	25.00	1/4"	10.0	150	13.0	200	1.5	39.7
A05SP07	2233447	0.0789	2.25	17.91	1/4"	7.0	100	10.0	150	2.1	42.4
A05SP08	2917155	0.1030	2.29	15.27	1/4"	5.5	80	8.0	120	2.7	43.8
A05SP09	3692025	0.1304	2.24	12.06	1/4"	4.0	60	6.0	100	3.5	47.2
A06SP07	2630504	0.0929	5.07	56.41	3/8"	13.0	175.0	13.0	200	1.1	59.9
A06SP08	3435761	0.1213	4.28	44.94	3/8"	9.0	120.0	13.0	200	1.7	61.1
A06SP09	4348385	0.1536	4.61	36.61	3/8"	7.0	100.0	10.0	150	2	63.9
A06SP10	5624996	0.1986	5.18	34.57	3/8"	6.0	80.0	8.0	120	2.3	65.4
A06SP12	7996481	0.2824	4.98	23.72	3/8"	4.0	60.0	6.0	80	3.4	72.4
A07SP08	3889541	0.1374	5.15	57.34	3/8"	13.0	175.0	13.0	200	1.6	76.2
A07SP09	4922700	0.1738	4.97	55.29	3/8"	10.0	150.0	13.0	200	2.1	78.13
A07SP10	6367920	0.2249	5.19	44.54	3/8"	8.0	100.0	10.0	150	2.6	82.3
A07SP12	9052620	0.3197	4.80	28.94	3/8"	5.5	80.0	8.0	120	4	89.23
A07SP14	10889520	0.3846	3.85	18.31	3/8"	4.0	60.0	6.0	100	6	97.48

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MODEL NO	CYLINDER VOLUME		CFM	SCFM	INLET SIZE CHART C	MOP		MAWP		TIME REQUIRED TO CLOSED CYLINDER AT 100 % LOAD	WEIGHT OF MODEL IN KG
	mm3	feet3 (CF)				BAR	PSIG	BAR	PSI		
A08SP09	6153375	0.2173	5.01	55.83	3/8"	13.0	175.0	13.0	200	2.6	114.2
A08SP10	7959900	0.2811	5.44	60.57	3/8"	10.0	150.0	13.0	200	3.1	116.9
A08SP12	11315775	0.3996	4.70	37.36	3/8"	7.0	100.0	10.0	150	5.1	124.7
A08SP14	13611900	0.4807	4.12	24.86	3/8"	6.0	80.0	8.0	120	7	133.9
A08SP16	17909775	0.6325	4.22	20.07	3/8"	4.0	60.0	6.0	80	9	153.03
A09SP10	9116111	0.3219	10.17	113.17	1/2"	13.0	200.0	13.0	200	1.9	171.5
A09SP12	13127200	0.4636	9.93	110.59	1/2"	10.0	150.0	13.0	200	2.8	177.1
A09SP14	17867577	0.6310	7.57	64.99	1/2"	8.0	100.0	10.0	150	5	192.6
A09SP16	23337244	0.8241	8.99	59.98	1/2"	5.5	80.0	8.0	120	5.5	208.2
A09SP20	36464443	1.2877	8.58	40.86	1/2"	3.5	50.0	5.0	70	9	244.1
A10SP12	16044355	0.5666	9.44	105.13	1/2"	13.0	200.0	13.0	200	3.6	246.5
A10SP14	21838150	0.7712	9.25	103.02	1/2"	12.0	175.0	13.0	200	5	254.2
A10SP16	26267670	0.9276	11.13	102.64	3/4"	10.0	120.0	13.0	200	5	276.6
A10SP20	41465270	1.4643	10.98	66.27	3/4"	6.0	80.0	9.0	120	8	306.6
A10SP24	60116870	2.1230	11.58	47.74	3/4"	4.0	60.0	6.0	70	11	338.9
A10SP28	87352599	3.0848	12.34	43.01	3/4"	3.0	40.0	4.0	50	15	371.9
A11SP16	33431580	1.1806	11.81	131.43	3/4"	13.0	200.0	13.0	200	6	364
A11SP20	52773980	1.8637	12.42	138.31	3/4"	10.0	150.0	13.0	200	9	396
A11SP24	76512380	2.7020	13.51	107.35	3/4"	7.0	100.0	10.0	175	12	430
A11SP28	111176036	3.9261	26.17	157.95	1"	5.5	80.0	8.0	120	9	475
A11SP32	145209516	5.1280	25.64	122.05	1"	4.0	60.0	6.0	80	12	519
A11SP36	183780794	6.4902	22.91	79.84	1"	3.0	40.0	5.0	70	17	566
A12SP20	64082690	2.2631	24.69	274.83	1"	13.0	200.0	13.0	200	5.5	556
A12SP24	92907890	3.2810	24.61	273.94	1"	10.0	175.0	13.0	200	8	598
A12SP28	134999472	4.7675	23.84	204.61	1"	8.0	120.0	12.0	175	12	653
A12SP32	176325841	6.2269	17.79	118.70	1"	6.0	80.0	9.0	120	21	703
A12SP36	223162392	7.8809	21.49	116.01	1"	4.0	70.0	7.0	100	22	783
A13SP24	112035985	3.9565	39.57	440.45	1-1/4"	13.0	200.0	13.0	200	6	904.6
A13SP28	162793481	5.7490	43.12	480.00	1-1/4"	10.0	150.0	13.0	200	8	970
A13SP32	212628220	7.5089	45.05	386.71	1-1/4"	8.0	120.0	12.0	175	10	1025.5
A13SP36	269107591	9.5034	95.03	694.60	1-1/4"	6.0	100.0	10.0	150	6	1121.03
A13SP40	332231594	11.7326	117.33	708.01	1-1/4"	5.5	80.0	8.0	120	6	1194.4
A14SP28	214410926	7.5719	41.30	459.77	1-1/4"	13.0	200.0	13.0	200	11	1423
A14SP32	280046924	9.8898	42.38	471.84	1-1/4"	12.0	175.0	13.0	200	14	1474
A14SP36	354434388	12.5167	83.44	822.59	1-1/2"	9.0	120.0	13.0	200	9	1564
A14SP40	437573318	15.4528	77.26	613.95	1-1/2"	8.0	100.0	12.0	175	12	1623

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	mm3	feet3 (CF)				BAR	PSIG	BAR	PSI		
A15SP40	551018253	19.4590	83.40	928.39	2"	13.0	175.0	13.0	200	14	*
A15SP44	666732086	23.5454	94.18	988.44	2"	10.0	150.0	13.0	200	15	*
A15SP48	793466284	28.0210	120.09	1107.30	2"	9.0	120.0	13.0	175	14	*
A15SP52	931220847	32.8858	131.54	1045.26	2"	8.0	100.0	12.0	150	15	*

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