

## TECHNICAL SPECIFICATION SINGLE STAGE AIR COMPRESSOR



Model	Motor		No. of cyl.	RPM	RECEIVER		MAX PRESSURE		PISTON DISPL		
	HP	KW			CFT	LTRS	PSIG	KG/CM <sup>2</sup> G	CFM PD	M3/M	LTR/MIN
1ASS	1.0	0.75	1	600	2.50	70	125	8.78	4.12	0.117	117
2ASS	2.0	1.50	2	600	3.55	100	125	8.78	8.25	0.234	234
3ASS	3.0	2.20	2	960	5.30	150	125	8.78	13.75	0.389	389
1ASS1	1.0	0.75	1	600	2.50	70	125	8.78	4.00	0.110	110
2ASS1	2.0	1.50	2	460	5.30	150	80	5.62	10.35	0.293	293
3ASS1	3.0	2.20	2	675	5.30	150	80	5.62	15.18	0.430	430
5ASS	5.0	3.70	2	660	7.95	225	80	5.62	26.50	0.750	750
7ASS	7.5	5.50	2	865	7.95	225	80	5.62	34.64	0.980	980
7ASS1	7.5	5.50	2	505	8.83	250	80	5.62	40.00	1.130	1130
10ASS	10.0	7.50	2	660	8.83	250	80	5.62	52.50	1.485	1485
10ASS1	10.0	7.50	2	750	10.80	300	60	4.21	68.10	1.928	1928
12ASS	12.5	9.30	2	900	10.80	300	60	4.21	81.75	2.315	2315
12ASS1	12.5	9.30	2	800	10.60	300	40	2.81	88.00	2.490	2490
15ASS	15.0	11.00	3	700	17.66	500	60	4.21	95.40	2.700	2700
20ASS	20.0	15.00	3	900	17.66	500	60	4.21	122.65	3.470	3470
20ASS1	20.0	16.00	3	850	17.66	500	40	2.81	140.16	3.969	3969

### APPLICATION :

Chemical Industries : Fliter Press & Liquid Transfer  
 Poer Coation Industries, Spray Painting

## TECHNICAL SPECIFICATION DOUBLE STAGE AIR COMPRESSOR



### Application

#### Textile Industries

Pneumatic Operation In Spinning, Weaving & Processing Industries

#### Pharmaceutical Industries

Blister Pack Machines & Tablets / Capsule Coating

#### Automobile Industries

Automobile Workshop

Cold & Hot Type Remoulding Machines

#### Plastic Industries

Blow & Injection Moolding Operation

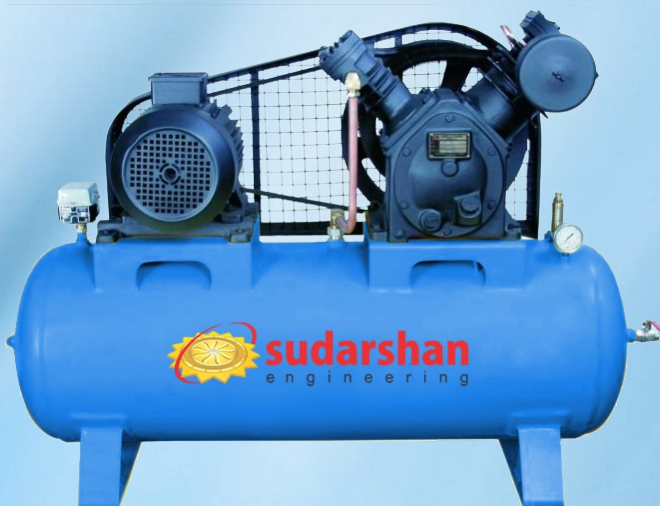
#### Engineering Industries

Cleaning & Pneumatic Operation

Sand Blasting Machines

#### Chemical Industries

Spray Dryers & Pneumatic Diaphragm Operated Pump



Model	Motor		No. of cyl.	RPM	RECEIVER		MAX PRESSURE		PISTON DISPL		
	HP	KW			CFT	LTRS	PSIG	KG/CM <sup>2</sup> G	CFM	M <sup>3</sup> /M	LTR/MIN
2ATS	2.0	1.50	2	675	5.30	150	175	12.30	PD	0.210	210
3ATS	3.0	2.20	2	960	5.30	150	175	12.30	7.60	0.305	305
3ATS1	3.0	2.20	2	1000	5.30	150	175	12.30	10.80	0.318	318
5ATS	5.0	3.70	2	865	7.95	225	175	12.30	11.25	0.490	490
7ATS	7.5	5.50	2	1000	7.95	225	175	12.30	17.32	0.570	570
7ATS1	7.5	5.50	2	1100	7.95	225	175	12.30	20.00	0.622	622
7ATS2	7.5	5.50	2	660	8.83	250	175	12.30	22.00	0.740	740
10ATS	10.0	7.50	2	660	8.83	250	250	17.50	26.23	0.740	740
7ATS3	7.5	5.50	2	750	8.83	250	175	12.30	26.23	0.843	843
10ATS1	10.0	7.50	2	950	8.83	250	175	12.30	37.80	1.070	1070
10ATS2	10.0	7.50	2	725	10.60	300	175	12.30	40.00	1.130	1130
12ATS	12.5	9.30	2	900	10.60	300	175	12.30	49.50	1.400	1400
12ATS1	12.5	9.30	2	800	10.60	300	250	17.50	44.00	1.245	1245
15ATS	15.0	11.00	2	1000	10.60	300	175	12.30	55.00	1.560	1560
15ATS1	15.0	11.00	3	700	17.66	500	175	12.30	63.50	1.800	1800
20ATS	20.0	15.00	3	900	17.66	500	175	12.30	81.80	2.310	2310
25ATS	25.0	18.50	3	800	17.66	500	250	17.50	87.94	2.490	2490
25ATS1	25.0	18.50	3	900	17.66	500	175	12.30	99.00	2.800	2800
25ATS	30	22.00	3	1000	17.66	500	175	12.30	110.0	3.100	3100

## TECHNICAL SPECIFICATION THREE STAGE AIR COMPRESSOR



Model	Piston Displacement		Max. Pressure		Motor H.P	No. of cyl.	Air Receiver (LTRS)
	CFM	M <sup>3</sup> /H	KG/CM <sup>2</sup> G	PSIG			
MA-3AMS	7.40	12.54	35.16	500	3	2	150
MA-12AMS	36.0	61.00	35.16	500	12.5	2	300
MA-20AMS	49.5	83.90	70.32	1000	20	3	500
MA-20BMS {Duplex}	99.0	167.8	70.32	1000	20x2	3	500/750
MA-20CMS	72.50	25.00	25.00	355	20	3	500
MA-20DMS {M Duplex}	145.0	25.00	25.00	355	20x2	3	500/750

### **Application :**

#### **Plastic Industries**

PET Bottles Manufacturing Units

#### **Power Sector :**

Circuit Breaking / Making In Electricity Board & Start Up

Application For D.G. Sets

## Compressor Parts



### Crankshaft :

Overhung Crankshaft with replaceable Busing Crank pin. The crankshaft is balanced precisely and fitted with ball bearings.



### Connecting Rod :

Connecting Rods are one piece with solid end construction and do not require any adjustment.



### Piston :

Piston are made of Alluminium/Cast iron and balanced for smooth running. Pistons have compression rings and oil control rings for better efficiency of the compressor.



### Cylinder :

Special graded cast iron deep finned cylinders ffor quick heat dissipation.



### Value :

Finger Values and Concentric Ring Valves are made of high quality stainless steel. All the values are very easy to dismantel for servicing



### Inter Cooler :

Inter coolers are made of copper tubes to achive better heat decipation.

## AIR RECEIVER



Sudarshan Engg. manufactures horizontal & vertical air receivers for Compressed Air Storage.

- Range of the air receivers are as under.
- Sudarshan provides Test Certificate / Radiography Certificate of Air Receivers if Required

**Capacity :** From 45 Ltrs. (0.045 M3) to 10000 Ltrs. (5 M3)

**Max. Working Pressure :** From 150 PSIG (10.58kg/cm<sup>2</sup>g) to 10000 PSIG (70.3 kg/cm<sup>2</sup>g)

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**DEALER**