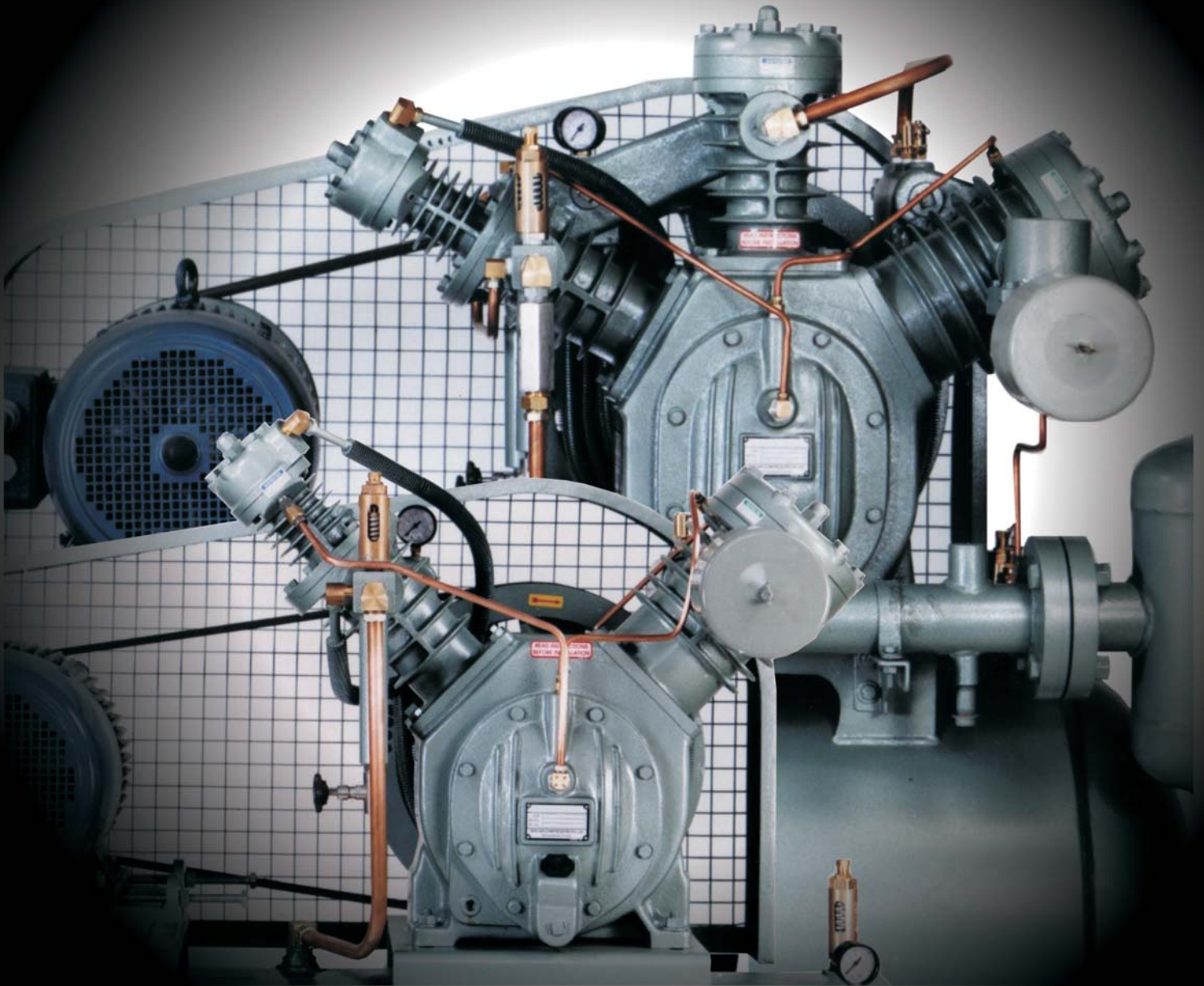




MULTI-STAGE AIR-COOLED HIGH PRESSURE AIR COMPRESSORS

- PRESSURES TO 1000 PSIG -



APPLICATIONS INCLUDE:

- * PNEUMATIC CIRCUIT BREAKERS
- * CONDENSER & SYSTEM TESTING
- * DIESEL ENGINE STARTING
- * HIGH PRESSURE ABRASIVE BLASTING
- * LABORATORY TEST WORK
- * HIGH VOLUME AIR STORAGE
- * CYLINDER CHARGING
- * MANY OTHERS

“APPL” HIGH PRESSURE AIR COOLED INDUSTRIAL AIR COMPRESSORS

COMPRESSOR SPECIFICATIONS

COMPRESSOR MODEL	H.P.	MAXIMUM PRESSURE	CYLINDER BORES - INCHES			STROKE INCHES	PUMP SPEED RPM	PISTON DISPL. CFM	FREE AIR DELIVERY SCFM @ PSIG
			1 ST STAGE	2 ND STAGE	3 RD STAGE				
1A261B3	3	500	3	1.25	N/A	2.75	675	7.6	4.6 @ 500
1A37T2B7.5	7.5	500	5	2	N/A	4	530	24	14.4 @ 500
1A37T2B10	10	500	5	2	N/A	4	710	32.25	19 @ 500
1A37T2B15	15	500	5	2	N/A	4	800	36.35	21.4 @ 500
1A45T2B15	15	1000	5.5	3	1.625	4	650	35.75	23.9 @ 600
1A45T2B20-1	20	1000	5.5	3	1.625	4	760	41.8	28 @ 600
1A45T2B20-2	20	800	5.5	3	1.625	4	900	49.5	32.7 @ 600

COMPRESSOR SELECTION

Maximum compressor life and reduced maintenance requirements will be realized for these compressors by properly sizing the unit for your specific air requirement. Air-cooled reciprocating air compressors must dissipate heat of compression through finned cylinders/heads. The work load, or duty cycle of the compressor should be limited to approximately 50% of maximum operating capacity to allow suitable cooling time when operating near maximum pressure capability. Therefore, for best results, double the maximum volumetric requirement of your air system, and select the appropriate compressor based on the “Free Air Delivery” column shown above. Your air storage capacity should be designed so the compressor does not operate for more than 30 minutes continuously after initial pump up of the system. The compressors can be supplied for either start/stop control, or continuous run operation. If air demand is continuous, and if pressures must be maintained within a tight range, continuous operation may best serve the application, and prevent excessively frequent starting and stopping. The table above shows model numbers for baseplate-mounted units. Baseplate-mounted units will require a remote air receiver. Receiver-mounted units are also offered as an option. Contact APPL for application assistance.

COMPRESSOR PUMP FEATURES

-  **QUALITY CAST IRON CONSTRUCTION FRAME, CYLINDERS AND HEADS**
-  **ROBUST OVERHUNG CRANKSHAFT DESIGN**
-  **SOLID CONNECTING ROD ENDS ELIMINATES FASTENERS, REDUCES MAINTENANCE**
-  **DEEP FINNED CYLINDERS FOR SUPERIOR HEAT DISSIPATION**
-  **BALANCED “V” CYLINDER DESIGN FOR SMOOTH VIBRATION-FREE OPERATION**
-  **RELIABLE SPLASH LUBRICATION**
-  **CENTRIFUGAL UNLOADER FOR AUTOMATIC LOAD-LESS START-UPS**
-  **FINNED INTERCOOLERS AND AFTERCOOLER WITH SAFETY VALVES FOR EFFECTIVE COOLING**

STANDARD EQUIPMENT

BASEPLATE UNITS

- * **FABRICATED STEEL BASEPLATE WITH VIBRATION MOUNTS**
- * **ODP, 1800 RPM HIGH EFFICIENCY MOTOR VEE BELT DRIVE**

RECEIVER-MOUNTED UNITS

- * **ODP, 1800 RPM HIGH EFFICIENCY MOTOR & VEE BELT DRIVE**
- * **ASME RECEIVER, RATED FOR OPERATING PRESSURE SAFETY RELIEF VALVE, AIR SERVICE VALVE, PRESSURE GAUGE, PRESSURE SWITCH FOR AUTO START/STOP CONTROL, RECEIVER MANUAL DRAIN VALVE**

OPTIONAL EQUIPMENT

- * **VEE BELT GUARD**
- * **CONSTANT SPEED CONTROL UNLOADER**
- * **WATER-COOLED AFTERCOOLER**
- * **MAGNETIC MOTOR STARTER**
- * **TWINTOWER REGENERATIVE AIR DRYER**
- * **TEFC OR EXPLOSION PROOF MOTOR**

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