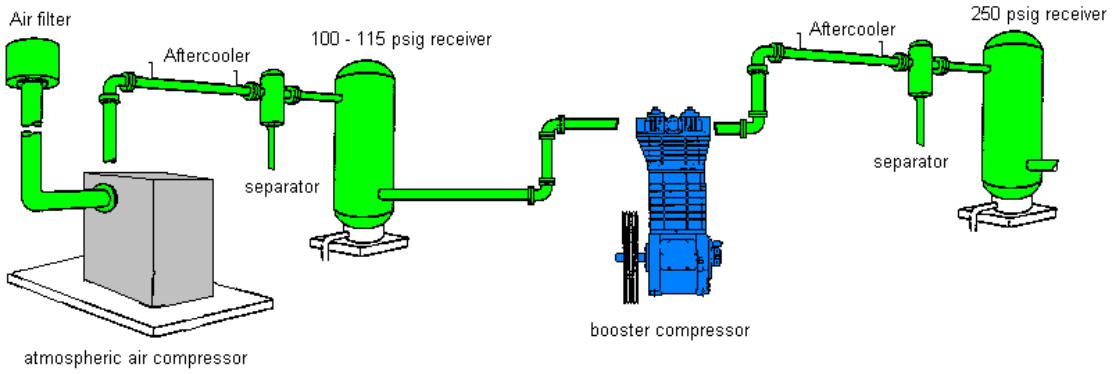
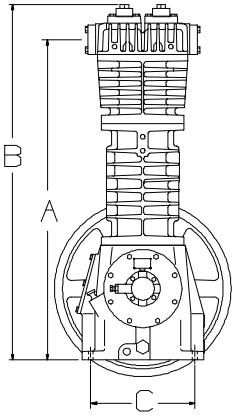
HD industrial compressors offer the solution to starting air needs.



These reliable, air-cooled oil-free compressors can boost the output of a standard plant air compressor to 250 psig in a single stage. Available in three frame sizes these machines, together with a new or existing 100 psig screw compressor, can offer lower costs and greater system flexibility than multi-stage machines that must take air from atmosphere to 250 psig. If you already have a plant air compressor then a 150 cfm booster is only a 20 bhp addition not the 60 bhp required by a starting air compressor.

Model	scfm	hp	Inlet psig	rpm	A inches	B Inches	C Inches	motor bhp
HD161C	85	8	115	650	23.34	25.7	7.38	10 hp
HD361C	150	15	100	615	30	26.13	9.37	20 hp
HD601B	280	28	100	650	41	36.97	12	30 hp



If you do not have a plant air machine then this approach can provide *both* plant air and 250 psig (or greater) air at a cost that is comparable to a starting-air compressor alone. The table below shows the typical motor sizes for screw, booster and starting-air compressors for three capacities discharging at 250 psig. The starting-air compressor always needs the largest motor and generally more total power to do the job. Those starting-air machines mean more expensive installations, higher starter in-rush current and utility demand charges than the boosters.

System inlet cfm	80 cfm	150 cfm	280 cfm
Screw motor hp	20 hp	40 hp	60 hp
Booster motor hp	10 hp	20 hp	30 hp
Starting-air motor hp	*30* hp	*60* hp	*100* hp

Liquid-cooled and two-stage compressors are also available from ***blackmer*** with working pressures to 750 psig. Air end is non-lubricated with PTFE rod packing and polyfilled PTFE rings. Suitable packing, material and distance-piece arrangements can be provided for a wide variety of gasses including helium, nitrogen, oxygen, natural gas, carbon dioxide. Applications include Food/Drug/ Pharmaceutical/Chemical industries, etc. These ductile iron compressors have crosshead construction with pressure lubricated running gear complete with frame mounted oil pump and filter.