

Air Drilling Specialties 6750 South Hwy 87 Duchesne UT 84021 Office: 435-738-2517 Fax: 435-738-2527 Email: airdrilling@ubtanet.com www.airdrillingspecialties.com

BOOSTER SPECIFICATIONS JOY WB12 - 6 X 3.75 UNIT # B-4



## Built with Pride in Casper, Wyoming By:



Compression Leasing Services Inc. PO Box 1629 1925/1935 North Loop Casper.WY 26002/82601 Ph. 307-265-3242/Fax. 307-265-3221 www.compressionleasing.com



ENGINE: CATERPILLAR INDUSTRIAL DIESEL C18 TIER 3 MAX. HP 630 MAX RPM: 2100

COMPRESSOR: GARDNER DENVER (JOY) WB12 MODEL JHY2003

1<sup>ST</sup> STAGE CYLINDER: 6" BORE MAX. DISCHARGE PRESSURE 1700 PSI DOUBLE ACTING

2ND STAGE CYLINDER: 3 3/4" BORE MAX. DISCHARGE PRESSURE 3200 PSI DOUBLE ACTING PRACTICAL LIMIT FOR THIS UNIT 2750 PSI

VESSELS: ALL ASME CODE STAMPED, MESH PAD, SCRUBBERS AND DISCHARGE PULSATION DAMPENING BOTTLES EACH STAGE

COOLER: BOX HEADER AND FINS BY FIN-X, ASME CODE STAMPED IC MAWP 1935 PSI AC MAWP 3225 PSI

## GEAR REDUCER: 2.96:1

DRIVE: DIRECT DRIVE, NO CLUTCH

FAN: BELT DRIVEN OFF OF COUPLING

PIPING: CODE WELDED 100% X-RAY TO B31.3 SEVERE CYCLIC SERVICE, PRIMARILY 3" XH AND 3" SCH. 160 PIPING

VALVES: ALL MAIN PROCESS VALVES FOR OPERATION AS 1 OR 2 STAGE ARE FLANGED BALL VALVES

MANIFOLD: SUCTION TO DISCHARGE BY-PASS ON SKID VIA FLANGED BALL VALVES, FLANGED SUCTION BLOCK AND DISCHARGE BLOCK VALVES ON SKID

CONTROLS: ENGINE PROTECTION BY CATERPILLAR PLUS GAUGES, COMPRESSOR PROTECTED FROM HIGH LIQUID LEVEL IN EACH SCRUBBER, DISCHARGE TEMPERATURE EACH STAGE, LOW COMPRESSOR CYLINDER LUBE LEVEL, AND LOW COMPRESSOR OIL PRESSURE

FUEL: 30 GALLON DAY TANK AND CONNECTIONS FOR LARGER TANK

FUEL CONSUMPTION: NORMAL 18-26 GPH, MAX 31 GPH

FUEL COOLER: ON BOARD FUEL COOLER FOR GRAVITY OR PUMP FED SUPPLY, NO RETURN LINES REQUIRED, QUICK, LEAK FREE DISCONNECTS FOR FUEL LINES



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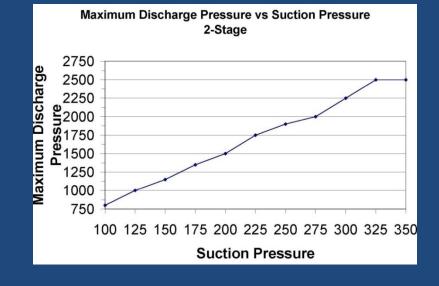
CONFIGURATION:

UNIT CAN BE USED IN SINGLE STAGE OPERATION UP TO 1000 PSI, OR IN 2 STAGE OPERATION UP TO 2500 PSI WITH PROPER SUCTION PRESSURE

SUCTION PRESSURE: UP TO 500 PSI OF AFTER COOLED AIR

DISCHARGE PRESSURE: UP TO 2500 PSI IN 2 STAGE OR 1000 PSI IN SINGLE STAGE

FLOW RATE: UP TO 2750 SCFM IN 2 STAGE, OR 3750 SCFM IN SINGLE STAGE WITH 350 PSI SUCTION



TRUCK WITH TAIL ROLL DIMENSIONS: 22'-6" LONG X 7'-10" WIDE X 9'-9" HEIGHT, OVER ALL WIDTH 8'-3"

SKID: HEAVY DUTY 4 RUNNER WITH BUMP GUARDS, DESIGNED FOR WINCH

