BOOSTER SPECIFICATIONS
JOY WB12 – 6 X 4
UNIT # B-5

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

COMPRESSOR:
GARDNER DENVER (JOY)
WB12 MODEL JHY2003

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

2ND STAGE CYLINDER:
4" BORE
MAX. DISCHARGE PRESSURE 3200 PSI
DOUBLE ACTING
PRACTICAL LIMIT FOR THIS UNIT 2500 PSI

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

MAX. DISCHARGE PRESSURE 3200 PSI
DOUBLE ACTING
PRACTICAL LIMIT FOR THIS UNIT 2500 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

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

COMPRESSION LEASING SERVICES INC.
PO Box 1629
1925/ 1933 North Loop
Casper, WY 82601
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www.compressionleasing.com
BOoster specifications
Joy WB12 - 6 x 4
UNIT # B-5

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 2860 SCFM in 2 stage, or 3901 SCFM in single stage with 350 psi suction.

Skid: Heavy duty 4 runner with bump guards, designed for winch truck with tail roll.
Dimensions: 22'-6" long x 7'-10" wide x 9'-9" height, over all width 8'-3".

**Maximum Discharge Pressure vs Suction Pressure 2-Stage**

**Flow in SCFM vs Suction Pressure With Maximum Discharge Pressure 2-Stage**