

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 - 7 1/2 X 5 UNIT # B-2

ENGINE:
DETROIT DIESEL SERIES 60
MAX. HP 630
MAX RPM: 2100

COMPRESSOR:
GARDNER DENVER (JOY)
WB12 MODEL JHY2003

1ST STAGE CYLINDER:
7 1/2" BORE
MAX. DISCHARGE PRESSURE 1200 PSI
550 PSI THIS APPLICATION
DOUBLE ACTING

2ND STAGE CYLINDER:
5" BORE
MAX. DISCHARGE PRESSURE 1850 PSI
1300 PSI THIS APPLICATION
DOUBLE ACTING
PRACTICAL LIMIT FOR THIS UNIT 1300 PSI

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

COOLER:
BOX HEADER AND FINS BY R & R
ASME CODE STAMPED
IC MAWP 1000 PSI
AC MAWP 2000PSI



Built with Pride in Casper, Wyoming By:



Compression Leasing Services Inc.
PO Box 1629
1925/1935 North Loop
Casper, WY 82602/82601
Ph. 307-265-3242/Fax. 307-265-3221
www.compressionleasing.com

GEAR REDUCER: 3:1

DRIVE:
CLUTCH

FAN:
BELT DRIVEN OFF OF COUPLING

PIPING:
WELDED, PRIMARILY 3" XH 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 VALVE ON SKID

CONTROLS: ENGINE PROTECTION BY DETROIT DIESEL PLUS GAUGES

FUEL: 20 GALLON DAY TANK AND CONNECTIONS FOR LARGER TANK

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



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CONFIGURATION:
 UNIT CAN BE USED IN SINGLE STAGE OPERATION UP TO 550 PSI,
 OR IN 2 STAGE OPERATION UP TO 1300 PSI WITH PROPER
 SUCTION PRESSURE

SUCTION PRESSURE: UP TO 225 PSI OF AFTER COOLED AIR

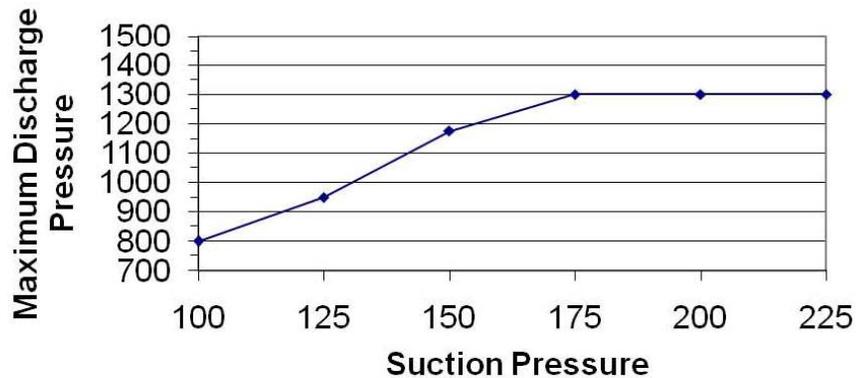
DISCHARGE PRESSURE: UP TO 1300 PSI IN 2 STAGE OR 550 PSI IN SINGLE STAGE

FLOW RATE: UP TO 2980 SCFM IN 2 STAGE, OR 4000 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'-0" LONG X 7'-2" WIDE X 9'-9" HEIGHT, OVER ALL WIDTH 8'-2"

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



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

