



COMPRESSION LEASING SERVICES

PROVIDING THE WORLD WITH HIGH PRESSURE BOOSTERS & COMPRESSORS

www.compressionleasing.com | 855.355.3242   

Signature Series Offshore Booster Compressor



- **ENGINE:** CUMMINS OSX-15 600HP INLINE 6-CYLINDER, TURBO CHARGED, TIER 3 FLEX DIESEL (RIG SAFE AIR INLET/OVER SPEED SHUTDOWN).
- **EXHAUST MUFFLER:** CRITICAL GRADE SPARK ARRESTING, SAFETY INSULATED TURBO, MANIFOLD, PIPE AND MUFFLER.
- **CONTROL PANEL:** OFFSHORE SEALED/316 STAINLESS STEEL BY CLS, WITH THROTTLE CONTROL, AND COMPLETE ENGINE AND COMPRESSOR SYSTEMS PRESSURE AND DIAGNOSTIC MONITORING, WITH PROTECTIVE SAFETY SHUTDOWNS.
- **STARTER:** AIR AND ELECTRIC.
- **FUEL TANK:** SMALL DOUBLE WALL FUEL CELL DESIGNED TO BE QUICK COUPLED TO LARGE FUEL OR RIG TANK FUEL SOURCE.
- **GEAR REDUCTION:** COTTA 3:1 REDUCTION CASE.
- **COMPRESSOR:** GARDNER-DENVER JY500/WB-12.
- **1ST STAGE COMPRESSOR CYLINDER:** GARDNER-DENVER 6" BORE 1700 PSI MAWP 7" STROKE (CYLINDER HYDRO TESTED TO 2550 PSI).
- **2ND STAGE COMPRESSOR CYLINDER:** CLS 3.75" BORE 3200 PSI MAWP 7" STROKE (CYLINDER HYDRO-TESTED TO 4800 PSI).
- **VESSELS:** ALL ASME CODE CERTIFIED BY CLS ONE FOR EACH STAGE OF COMPRESSION.

- **COOLER:** FIN-X ASME CODE CERTIFIED INTERCOOLER AND AFTERCOOLER WITH STAINLESS-STEEL TUBES AND ANTISTATIC FAN AND BELTS AND MANUAL LOUVERS FOR TEMPERATURE CONTROL.
- **SKID:** OFFSHORE DNV 2.7-1 CERTIFIED AND TESTED CONTAINER SKID WITH GALVANIZED ROOF GRATING SKID HAS 4-POINT LIFT AND FORK POCKETS WITH SEAL WELDING FOR FULL OIL/SPILL CONTAINMENT WITH CORNER DRAINS.
- **LIFTING SLINGS:** DNV CERTIFIED LIFTING SLINGS AND SHACKLES, DESIGNED FOR CRANE USE.
- **PIPING:** MADE BY CERTIFIED WELDERS TO B31.3 SPECIFICATIONS AND 100% HYDRO-TESTED AND X-RAY ON ALL PIPING WELDS.
- **VALVES:** HEAVY DUTY FULL PORT BALL VALVES.
- **PAINT:** CLS - DIAMOND VOGEL OFFSHORE ZINC COATING 3-PART SYSTEM.
- **WEIGHT:** 37,800 LBS./17,146KG
- **LENGTH:** 19' 10.5"
- **WIDTH:** 8'6"
- **HEIGHT:** 9'6"

USE APPLICATIONS: PIPELINE PRESSURE TESTING WITH AIR/NITROGEN/NATURAL GAS, PIPELINE DEWATERING, PIPELINE COMMISSIONING, PIGGING AND CLEANING, PIPELINE GAS TRANSFER/EVACUATION, AIR DRILLING, UNDERBALANCED/CONTROLLED PRESSURE DRILLING, NITROGEN BOOSTING, AERATED MUD/FOAM/ AND MIST DRILLING, ON AND OFFSHORE AND DEEPWATER AND DOWN HOLE CONSTRUCTION AND TESTING,

PIPE PRESSURE TESTING. ANYWHERE WHERE AIR/NITROGEN/GAS PRESSURE NEEDS TO BE BOOSTED FROM PRIMARY COMPRESSORS OR PRESSURIZED SOURCES. SUCTION PRESSURE CONTROLLERS AND DISCHARGE RECYCLE CONTROL EQUIPMENT AND HIGH PRESSURE FILTRATION EQUIPMENT AND ACCESSORIES CAN BE ADDED TO THE SUCTION AND THE DISCHARGE OF THIS UNIT.

MADE IN THE USA , MADE WITH 98.7% USA MADE CONTENT BY DOLLAR VOLUME.

PROVEN DESIGN WITH 33-YEAR TRUSTED QUALITY TRACK RECORD IN THE COMPRESSOR INDUSTRY.

Flow in Single-Stage mode: Capacities up to 3420 CFM to 900 PSI, From suction pressure of 325 PSI

Conditions: 100 F Ambient, 125F Suction Temps Each Stage					
Altitude 5000 feet ASL					
Suction Pressure	Discharge Pressure	Flow in SCFM	Compressor HP	Total HP	1st Stage Discharge Temp
325	500	3922	178	248	221
325	600	3787	231	301	257
325	700	3659	275	345	288
325	800	3537	311	381	317
325	900	3420	342	412	344

Flow in Two- Stage mode : Capacities up to 2508 CFM to 2500 PSI, From suction pressure of 325 PSI

Conditions: 100 F Ambient, 125F Suction Temps Each Stage						
Altitude 50 feet ASL						
Suction Pressure	Discharge Pressure	Flow in SCFM	Compressor HP	Total HP	1st Stage Discharge Temp	2nd Stage Discharge Temp
100	800	829	169	239	346	332
125	1000	1018	206	276	347	336
150	1150	1204	239	309	346	332
175	1350	1388	277	347	347	336
200	1500	1576	310	380	346	332
225	1750	1758	352	422	348	341
250	1900	1947	386	456	347	338
275	2000	2139	414	484	345	330
300	2250	2323	457	527	346	337
325	2500	2508	501	571	348	343
350	2500	2707	519	589	344	329



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In 1998, Ben and Daron Gruner set out to reinvent the family's compressor business. Compression Leasing Services, Inc.(CLS) began by manufacturing unique and specialized compressors, and other oilfield and construction equipment one at a time. We quickly realized that there was a unique place in the compressor market that greatly needed more attention. This very small business grew rapidly because of superior quality, innovative products, customer focus, and superior customer service. Today, CLS is the World Leader in the manufacturing, sales, and rentals of High Pressure Booster Compressors and Rotary Screw Compressor Products, with compressors sold in at least 15 different countries worldwide.

Our manufacturing facilities in Casper, Wyoming house some of the most state of the art manufacturing equipment and processes used in the compressor fabrication business. Our team of quality Engineers, Draftsmen, Welders, Assembly Personnel, and Sales and Service people, make sure that our customers will have a positive and profitable experience when using our products to accomplish their tasks.

WE ARE PROUD TO INTRODUCE OUR SIGNATURE OFFSHORE SERIES BOOSTER.

CLS-manufacturers/ builds/assembles the entire unit, DNV skid, vessels and packages everything in house. No third party manufacturers are used to assemble this booster compressor. This process ensures quality control throughout the entire package.

AVAILABLE FOR RENTAL, LEASE OR SALE.

MAIN LOCATION

1935 N. Loop Avenue & 1925 N. Loop Ave.
Casper, Wyoming 82601
307.265.3242

BRANCH FACILITIES

5530 Joliet Street
Denver, Colorado 80239
303.733.4882

5551 Magnuson Blvd., Unit D
Gillette, Wyoming 82718
307.682.2084

