

ENERFLEX

PERFORMANCE

Compressor Performance Map

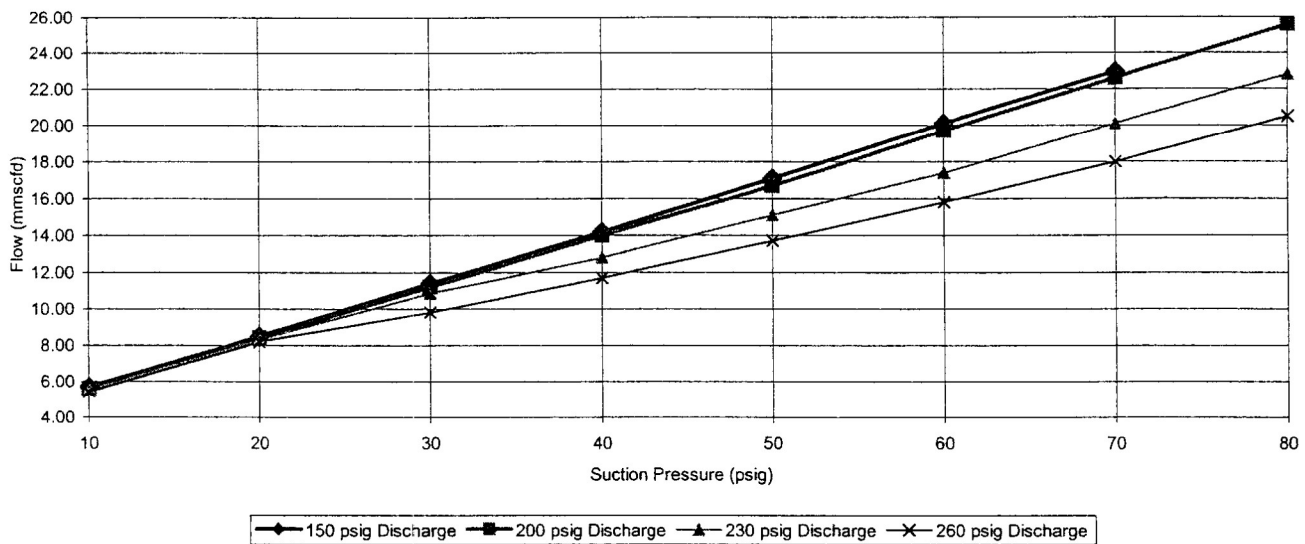
Enerflex Screw Compressor Package

Waukesha 7042GL Driver

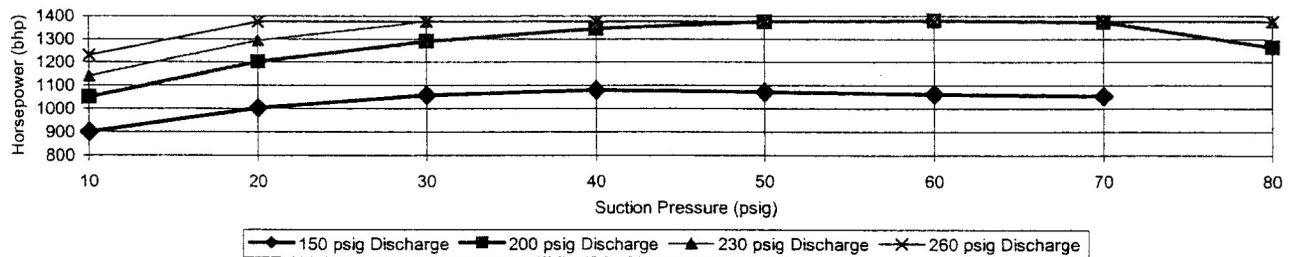
Kobelco KS32LNB

| Major Equipment | | Process Design | |
|-------------------|-----------------|-----------------------|---------|
| Driver: | Waukesha 7042GL | Suction Temperature: | 60 F |
| Driver Speed: | 1200 RPM | Ambient Temperature: | 95 F |
| Available HP: | 1375 | Altitude: | 2500 FT |
| Compressor: | Kobelco KS32LNB | Gas Specific Gravity: | 0.65 |
| Gear Ratio: | 2.19 | | |
| Compressor Speed: | 2628 RPM | | |
| Compressor V.I.: | VARIABLE | | |
| Oil Pump: | YES | | |
| Package Pressure: | 350 Psig | | |

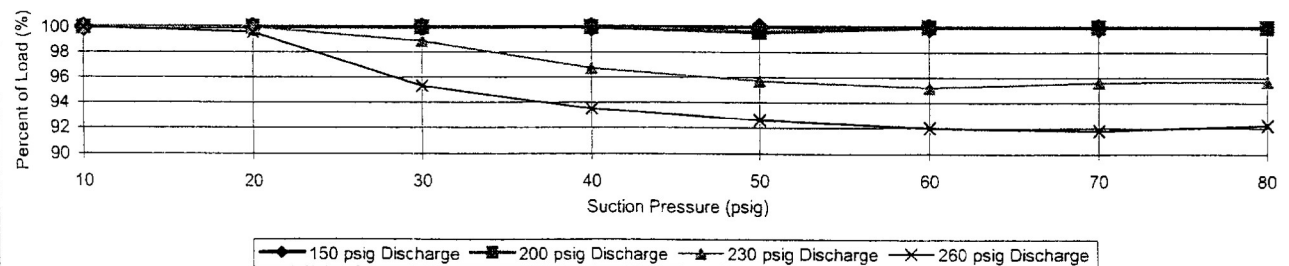
FLOW CURVE



POWER CURVE



PERCENT LOAD CURVE



OIL-FLOODED SCREW COMPRESSOR DATA SHEET**MULTI-CALCULATION RESULTS (1 / 1)**

Registered to : EFX

User :

Customer : PETROBANK ENERGY & RES. Project : LSD 13-29-20-21-W4M

Ref. : 050134

| | KS32LNB | | | |
|--|---------|--------|--|--|
| | 0 | 1 | | |
| GAS TYPE | | | | |
| MOLECULAR WEIGHT | 18.824 | 18.824 | | |
| SPECIFIC HEAT RATIO(C _p /C _v) | 1.266 | 1.266 | | |
| COMPRESSIBILITY | 0.9900 | 0.9900 | | |
| RELATIVE HUMIDITY % | 50.00 | 50.00 | | |
| ATM PRESSURE PSI | 13.30 | 13.30 | | |
| SLIDE VALVE POSITION % | 100.0 | 91.9 | | |
| INLET VOLUME ACFM | 2688 | 2169 | | |
| GAS FLOW lbm/h WET | 40310 | 32536 | | |
| (at 14.7PSIA & 60 Deg.F) MMSCFD WET | 19.50 | 15.74 | | |
| (at 14.7PSIA & 60 Deg.F) MMSCFD DRY | 19.47 | 15.72 | | |
| SUCTION CONDITIONS | | | | |
| PRESSURE(SUC.dP INCL.) PSIG | 60.00 | 60.00 | | |
| TEMPERATURE Deg.F | 60.0 | 60.0 | | |
| DISCHARGE CONDITIONS | | | | |
| PRESSURE(DIS.dP INCL.) PSIG | 260.0 | 260.0 | | |
| TEMPERATURE Deg.F | 180.0 | 180.0 | | |
| PRESSURE RATIO | 3.729 | 3.729 | | |
| VI | 2.90 | 2.90 | | |
| SPEED RPM | 2628 | 2628 | | |
| BHP AT COMP.INLET SHAFT HP | 1683 | 1335 | | |
| SEPARATE GEAR LOSS HP | 25 | 20 | | |
| TOTAL BHP(GEAR LOSS INCL.) HP | 1708 | 1355 | | |
| DRIVER RATED POWER HP | 1448 | 1448 | | |
| DRIVER SPEED RPM | 1200 | 1200 | | |
| LUBE OIL COOLER HEAT DUTY kBTU/h | 1850 | 1433 | | |
| SUPPLY TEMPERATURE Deg.F | 150.0 | 156.8 | | |
| QUANTITY/BEARING & MECH.SEAL GPM US | 94 | 94 | | |
| QUANTITY/ROTOR CHAMBER GPM US | 198 | 198 | | |
| QUANTITY/TOTAL GPM US | 292 | 292 | | |
| SPECIFIC GRAVITY lbm/ft ³ | 53.8 | 53.8 | | |
| SPECIFIC HEAT Btu/lbm/F | 0.4900 | 0.4900 | | |

The shaft power calculated has a tolerance within +4% and the flow rate has a tolerance within -2%. All results are based on accuracy of input conditions. And the results at unload are for reference only.

KOBELCO reserves the right to final verification of all rating results.