



Estimated Cylinder Gas Rod Load and Pressure Limits

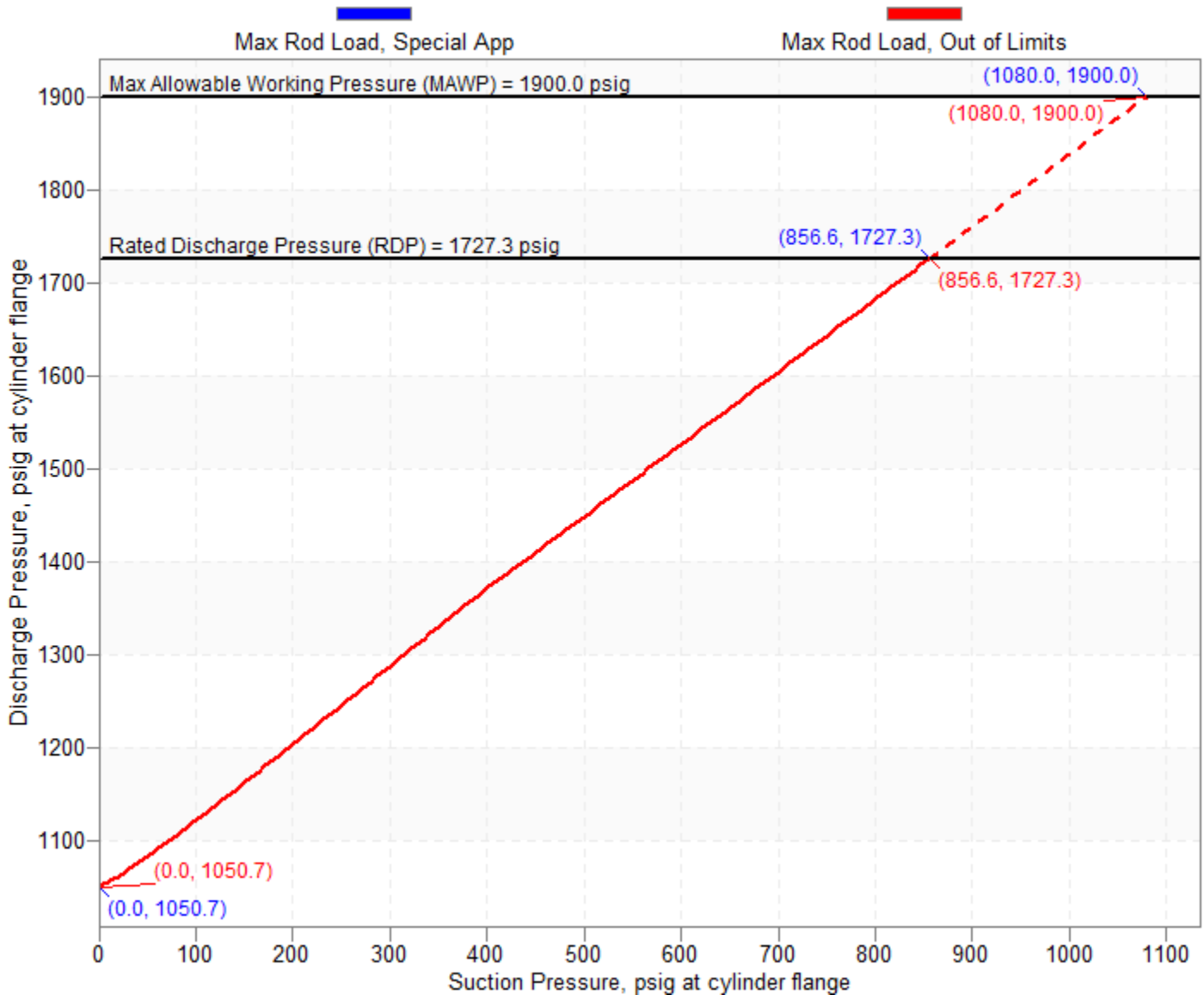


Model: 7-1/4K

Bore: 6.750 in

MAWP: 1900.0 psig

Frame	JGK/4	Max RL Comp, lbf	40000	40000	Serial No.
Stroke, in	5.50	Max RL Tens, lbf	37000	37000	Frame: F21364
Operating RPM	1200.0	Max RL Tot, lbf	74000	74000	Cyl:
Action	DBL				
Specific Gravity	0.6284	Equation: Pd=	(0.786 * Ps) + 1050.7	(0.786 * Ps) + 1050.7	



Dashed Line - Pressures above RDP. Please refer to the Application Manual.

These application limits must also be checked:

- Maximum allowable discharge temperature (MUST be less than 350 °F)
- Minimum allowable volumetric efficiency
- Crosshead pin load reversals

This chart defines allowable operating limits for gas rod loads and standard working pressures. Pressure combinations falling above the line will exceed the Rod Load limitations of the equipment. Values are undefined when suction pressure exceeds discharge pressure.

Base conditions for calculations are 120 °F at 3372 ft elevation.