

NFPA 1902 RATING CHART  
MODEL

CBP25

250 @ 150 PSI

SINGLE STAGE PUMP 6-1/2" IMPELLER

MAXIMUM ELEVATION AT WHICH THE PUMP WILL DO THE RATING WITH STANDARD TEST CONDITIONS OF 10 FT. LIFT, 20 FT. OF SUCTION HOSE & STRAINER. STANDARD TEST CONDITIONS AND MAXIMUM ELEVATION DO NOT INCLUDE TRUCK PIPING LOSSES.

CBP25, 3 IN. HOSE, 7000 FEET

| RATED<br>CAPACITY<br>(US GPM) | CAPACITY<br>(US GPM) | PRESSURE<br>(PSIG) ** | HORSEPOWER<br>REQUIRED | PUMP INPUT DRIVE SHAFT (RPM) * |                    |                 |                    |                 |                    |                 |                    |
|-------------------------------|----------------------|-----------------------|------------------------|--------------------------------|--------------------|-----------------|--------------------|-----------------|--------------------|-----------------|--------------------|
|                               |                      |                       |                        | RATIO<br>2 . 00                | TORQUE<br>(LBS-FT) | RATIO<br>2 . 83 | TORQUE<br>(LBS-FT) | RATIO<br>3 . 94 | TORQUE<br>(LBS-FT) | RATIO<br>4 . 93 | TORQUE<br>(LBS-FT) |
| 250                           | PUMP MODEL           |                       |                        | CBP25-2                        |                    | CBP25-3         |                    | CBP25-4         |                    | CBP25-5         |                    |
|                               | 250                  | 150                   | 34                     | 2720                           | 66                 | 1920            | 93                 | 1380            | 129                | 1100            | 162                |
|                               | 250                  | 165                   | 38                     | 2830                           | 71                 | 2000            | 100                | 1430            | 140                | 1150            | 173                |
|                               | 175                  | 200                   | 36                     | 3000                           | 63                 | 2120            | 89                 | 1520            | 124                | 1220            | 155                |
|                               | 125                  | 250                   | 40                     | 3290                           | 64                 | 2320            | 91                 | 1670            | 126                | 1330            | 158                |
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\* ENGINE SPEED MUST NOT EXCEED MANUFACTURER'S MAXIMUM NO-LOAD GOVERNED SPEED.  
\*\* GAUGE PRESSURE DOES NOT INCLUDE LIFT OR SUCTION LOSSES.

THIS CHART IS TO BE USED TO SELECT THE PROPER PUMP GEARBOX RATIO. THE INPUT SPEED AND HORSEPOWER REQUIREMENTS SHOWN ARE AVERAGE FIGURES. WHEN USING THIS CHART, IT IS IMPORTANT TO OBTAIN THE NET HORSEPOWER OUTPUT OF THE ENGINE. THE THE ENGINE MANUFACTURER'S PUBLISHED CURVE MAY NOT REPRESENT A TRUE NET HORSEPOWER WHEN TOTALING ALL THE POWER DEDUCTIONS THAT MAY BE ENCOUNTERED FOR ENCOUNTERED FOR THE NFPA 1902 TEST. THE DEDUCTIONS COULD BE ENGINE AND VEHICLE ACCESSORIES, ELEVATION, TEMPERATURE, BARMETER, ETC. CHECK WITH THE ENGINE MANUFACTURER FOR THEIR RECOMMENDATION AND APPROVAL OF A NET HORSEPOWER CURVE. THE PUMPING TORQUE REQUIREMENTS MIGHT EXCEED THE TRUCK'S TRANSMISSION CASE, POWER TAKE-OFF AND DRIVE-LINE COMPONENTS LIMITS. CONTACT THE RESPECTIVE EQUIPMENT MANUFACTURER FOR THEIR APPROVAL OF THE PUMPING APPLICATION.