

Cylinder Specifications: HOSS Standard Cylinder Index

6.00" Cylinder (HH48)
7.00" Cylinder (HH48)
8.00" Cylinder (HH60)
9.50" Cylinder (HH60)
10.50" Cylinder (HH60)
11.50" Cylinder (HH60)
12.25" Cylinder (HH60)
13.00" Cylinder (HH67)
14.00" Cylinder (HH67)
15.00" Cylinder (HH67)
16.25" Cylinder (HH67)
17.50" Cylinder (HH67)
19.00" Cylinder (HH75)
20.50" Cylinder (HH75)
22.00" Cylinder (HH81)
23.00" Cylinder (HH81)
24.50" Cylinder (HH81)
26.00" Cylinder (HH81)
26.50" Cylinder (HH81)
28.00" Cylinder (HH81)

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DOCUMENT WILL PRINT.**

Cylinder Specifications: 6.00 HOSS Standard Cylinder – HH48

| General | 5HOSS | | 6HOSS | | 7HOSS | |
|---|-------------------------|-----------|-----------|-----------|-----------|-----------|
| Cylinder Pattern | | | G8807D | | | |
| Bore Size (in) | 6.00 | | 6.00 | | 6.00 | |
| Rod Size (in) | 2.88 | | 2.88 | | 2.88 | |
| Stroke (in) | 5.00 | | 6.00 | | 7.00 | |
| Rated Speed (RPM) | 1500 | | 1200 | | 1000 | |
| Maximum Unloaded Speed (RPM) | 1500 | | 1200 | | 1000 | |
| Cylinder | | | | | | |
| Rated Discharge Pressure (psig) | 2500 | | 2500 | | 2500 | |
| Maximum Allowable Working Pressure (psig) | 2750 | | 2750 | | 2750 | |
| Hydrostatic Test Pressure (psig) | 4125 | | 4125 | | 4125 | |
| Water Jacket Pressure (psig) | 75 | | 75 | | 75 | |
| Water Jacket Test Pressure (psig) | 115 | | 115 | | 115 | |
| Maximum Differential Pressure (psig) | 2304 | | 2304 | | 2304 | |
| | OE | FE | OE | FE | OE | FE |
| Clearance (%) | 38.6 | 54.0 | 32.2 | 45.0 | 27.6 | 38.6 |
| Swept Volume (cu. in.) | 141.4 | 108.9 | 169.6 | 130.7 | 197.9 | 152.5 |
| Piston Displacement (cfm) at Rated RPM | 122.7 | 94.5 | 117.8 | 90.8 | 114.5 | 88.2 |
| Piston | | | | | | |
| Type | 1 Piece, Solid | | | | | |
| Piston Rings | | | | | | |
| Type | Multi-Piece, Combo Type | | | | | |
| Number | 6 | | | | | |
| Rod Packing | | | | | | |
| Design Pressure (psi) | 2750 | | | | | |
| No. of Lube Points | 1 | | | | | |
| No. of Vent Ports | 1 | | | | | |
| No. of Ring Sets | 7 | | | | | |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|--------------|--------------|--------------|
| Size & Type | HH48 | HH48 | HH48 |
| Rated Differential Pressure (psig) | 2000 | 2000 | 2000 |
| No. / Corner | 1 | 1 | 1 |
| Standard Lift (in) | 0.060 | 0.060 | 0.060 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 2700 | 2700 | 2700 |
| Piston Rod & Crosshead Nut (lbs) | 93.7 | 93.2 | 92.7 |
| Piston Assembly (lbs) | 91.8 | 86.1 | 80.3 |
| Total Reciprocating (lbs) | 185.6 | 179.3 | 173.0 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 2.17 | 2.17 | 2.17 |
| - Length (in) | 8.03 | 8.03 | 8.03 |
| - Volume (cu. in.) | 29.7 | 29.7 | 29.7 |
| - Clearance % Adder OE | 21.0 | 17.5 | 15.0 |
| VVCP Option | | | |
| - Piston Diameter (in) | 4.88 | 4.88 | 4.88 |
| - Length (stroke) (in) | 5.00 | 5.00 | 5.00 |
| - Volume (cu. in.) | 93.3 | 93.3 | 93.3 |
| - Clearance % Adder OE | 66.0 | 55.0 | 47.2 |
| CBC Flange Size (in) / Rating (lbs) | SPECIAL | SPECIAL | SPECIAL |
| Suction / Discharge Flange Size (in) / Rating (lbs) | 4.0 / 1500 | 4.0 / 1500 | 4.0 / 1500 |

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Cylinder Specifications: 7.00 HOSS Standard Cylinder – HH48

| General | 5HOSS | 6HOSS | 7HOSS | | | |
|---|-------------------------|-----------|-----------|-----------|-----------|-----------|
| Cylinder Pattern | | G8766E | | | | |
| Bore Size (in) | 7.00 | 7.00 | 7.00 | | | |
| Rod Size (in) | 2.88 | 2.88 | 2.88 | | | |
| Stroke (in) | 5.00 | 6.00 | 7.00 | | | |
| Rated Speed (RPM) | 1500 | 1200 | 1000 | | | |
| Maximum Unloaded Speed (RPM) | 1500 | 1200 | 1000 | | | |
| Cylinder | | | | | | |
| Rated Discharge Pressure (psig) | 2500 | 2500 | 2500 | | | |
| Maximum Allowable Working Pressure (psig) | 2750 | 2750 | 2750 | | | |
| Hydrostatic Test Pressure (psig) | 4125 | 4125 | 4125 | | | |
| Water Jacket Pressure (psig) | 75 | 75 | 75 | | | |
| Water Jacket Test Pressure (psig) | 115 | 115 | 115 | | | |
| Maximum Differential Pressure (psig) | 2161 | 2161 | 2161 | | | |
| | OE | FE | OE | FE | OE | FE |
| Clearance (%) | 21.2 | 29.6 | 17.7 | 24.7 | 15.2 | 21.2 |
| Swept Volume (cu. in.) | 192.4 | 160.0 | 230.9 | 192.0 | 269.4 | 223.9 |
| Piston Displacement (cfm) at Rated RPM | 167.0 | 138.9 | 160.4 | 133.3 | 155.9 | 129.6 |
| Piston | | | | | | |
| Type | 1 Piece, Solid | | | | | |
| Piston Rings | | | | | | |
| Type | Multi-Piece, Combo Type | | | | | |
| Number | 4 | | | | | |
| Rod Packing | | | | | | |
| Design Pressure (psi) | 2750 | | | | | |
| No. of Lube Points | 1 | | | | | |
| No. of Vent Ports | 1 | | | | | |
| No. of Ring Sets | 7 | | | | | |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|--------------|--------------|--------------|
| Size & Type | HH48 | HH48 | HH48 |
| Rated Differential Pressure (psig) | 2000 | 2000 | 2000 |
| No. / Corner | 1 | 1 | 1 |
| Standard Lift (in) | 0.060 | 0.060 | 0.060 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 2930 | 2930 | 2930 |
| Piston Rod & Crosshead Nut (lbs) | 88.0 | 87.5 | 87.0 |
| Piston Assembly (lbs) | 90.8 | 82.3 | 73.8 |
| Total Reciprocating (lbs) | 178.9 | 169.9 | 160.9 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 2.48 | 2.48 | 2.48 |
| - Length (in) | 9.79 | 9.79 | 9.79 |
| - Volume (cu. in.) | 47.4 | 47.4 | 47.4 |
| - Clearance % Adder OE | 24.6 | 20.5 | 17.6 |
| VVCP Option | | | |
| - Piston Diameter (in) | 5.25 | 5.25 | 5.25 |
| - Length (stroke) (in) | 5.00 | 5.00 | 5.00 |
| - Volume (cu. in.) | 108.2 | 108.2 | 108.2 |
| - Clearance % Adder OE | 56.3 | 46.9 | 40.2 |
| CBC Flange Size (in) / Rating (lbs) | 1.5 / 1500 | 1.5 / 1500 | 1.5 / 1500 |
| Suction / Discharge Flange Size (in) / Rating (lbs) | 4.0 / 1500 | 4.0 / 1500 | 4.0 / 1500 |

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Cylinder Specifications: 8.00 HOSS Standard Cylinder – HH60

| General | 5HOSS | 6HOSS | 7HOSS | | | |
|---|-------------------------|-----------|-----------|-----------|-----------|-----------|
| Cylinder Pattern | | G8804E | | | | |
| Bore Size (in) | 8.00 | 8.00 | 8.00 | | | |
| Rod Size (in) | 2.88 | 2.88 | 2.88 | | | |
| Stroke (in) | 5.00 | 6.00 | 7.00 | | | |
| Rated Speed (RPM) | 1500 | 1200 | 1000 | | | |
| Maximum Unloaded Speed (RPM) | 1500 | 1200 | 1000 | | | |
| | | | | | | |
| Cylinder | | | | | | |
| Rated Discharge Pressure (psig) | 2275 | 2275 | 2275 | | | |
| Maximum Allowable Working Pressure (psig) | 2500 | 2500 | 2500 | | | |
| Hydrostatic Test Pressure (psig) | 3750 | 3750 | 3750 | | | |
| Water Jacket Pressure (psig) | 75 | 75 | 75 | | | |
| Water Jacket Test Pressure (psig) | 115 | 115 | 115 | | | |
| Maximum Differential Pressure (psig) | 1617 | 1617 | 1617 | | | |
| | | | | | | |
| | OE | FE | OE | FE | OE | FE |
| Clearance (%) | 24.5 | 31.3 | 20.4 | 26.1 | 17.5 | 22.4 |
| Swept Volume (cu. in.) | 251.3 | 218.9 | 301.6 | 262.6 | 351.9 | 306.4 |
| Piston Displacement (cfm) at Rated RPM | 218.2 | 190.0 | 209.4 | 182.4 | 203.6 | 177.3 |
| | | | | | | |
| Piston | | | | | | |
| Type | 1 Piece, Solid | | | | | |
| | | | | | | |
| Piston Rings | | | | | | |
| Type | Multi-Piece, Combo Type | | | | | |
| Number | 5 | | | | | |
| | | | | | | |
| Rod Packing | | | | | | |
| Design Pressure (psi) | 2750 | | | | | |
| No. of Lube Points | 1 | | | | | |
| No. of Vent Ports | 1 | | | | | |
| No. of Ring Sets | 7 | | | | | |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|--------------|--------------|--------------|
| Size & Type | HH60 | HH60 | HH60 |
| Rated Differential Pressure (psig) | 1300 | 1300 | 1300 |
| No. / Corner | 1 | 1 | 1 |
| Standard Lift (in) | 0.060 | 0.060 | 0.060 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 3110 | 3110 | 3110 |
| Piston Rod & Crosshead Nut (lbs) | 90.5 | 90.0 | 89.5 |
| Piston Assembly (lbs) | 141.5 | 130.1 | 118.6 |
| Total Reciprocating (lbs) | 232.0 | 220.1 | 208.1 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 2.98 | 2.98 | 2.98 |
| - Length (in) | 8.90 | 8.90 | 8.90 |
| - Volume (cu. in.) | 62.2 | 62.2 | 62.2 |
| - Clearance % Adder OE | 24.7 | 20.6 | 17.7 |
| VVCP Option | | | |
| - Piston Diameter (in) | 6.25 | 6.25 | 6.25 |
| - Length (stroke) (in) | 5.00 | 5.00 | 5.00 |
| - Volume (cu. in.) | 153.4 | 153.4 | 153.4 |
| - Clearance % Adder OE | 61.0 | 50.9 | 43.6 |
| CBC Flange Size (in) / Rating (lbs) | 2.5 / 1500 | 2.5 / 1500 | 2.5 / 1500 |
| Suction / Discharge Flange Size (in) / Rating (lbs) | 4.0 / 1500 | 4.0 / 1500 | 4.0 / 1500 |

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Cylinder Specifications: 9.50 HOSS Standard Cylinder – HH60

| General | 5HOSS | 6HOSS | 7HOSS | | | |
|---|-------------------------|-----------|-----------|-----------|-----------|-----------|
| Cylinder Pattern | | G8786F | | | | |
| Bore Size (in) | 9.50 | 9.50 | 9.50 | | | |
| Rod Size (in) | 2.88 | 2.88 | 2.88 | | | |
| Stroke (in) | 5.00 | 6.00 | 7.00 | | | |
| Rated Speed (RPM) | 1500 | 1200 | 1000 | | | |
| Maximum Unloaded Speed (RPM) | 1498 | 1200 | 1000 | | | |
| | | | | | | |
| Cylinder | | | | | | |
| Rated Discharge Pressure (psig) | 1750 | 1750 | 1750 | | | |
| Maximum Allowable Working Pressure (psig) | 1925 | 1925 | 1925 | | | |
| Hydrostatic Test Pressure (psig) | 2890 | 2890 | 2890 | | | |
| Water Jacket Pressure (psig) | 75 | 75 | 75 | | | |
| Water Jacket Test Pressure (psig) | 115 | 115 | 115 | | | |
| Maximum Differential Pressure (psig) | 1157 | 1157 | 1157 | | | |
| | | | | | | |
| | OE | FE | OE | FE | OE | FE |
| Clearance (%) | 30.6 | 32.6 | 25.5 | 27.2 | 21.9 | 23.3 |
| Swept Volume (cu. in.) | 354.4 | 322.0 | 425.3 | 386.3 | 496.2 | 450.7 |
| Piston Displacement (cfm) at Rated RPM | 307.6 | 279.5 | 295.3 | 268.3 | 287.1 | 260.8 |
| | | | | | | |
| Piston | | | | | | |
| Type | 1 Piece, Solid | | | | | |
| | | | | | | |
| Piston Rings | | | | | | |
| Type | Multi-Piece, Combo Type | | | | | |
| Number | 3 | | | | | |
| | | | | | | |
| Rod Packing | | | | | | |
| Design Pressure (psi) | 1999 | | | | | |
| No. of Lube Points | 1 | | | | | |
| No. of Vent Ports | 1 | | | | | |
| No. of Ring Sets | 6 | | | | | |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|---------------|---------------|---------------|
| Size & Type | HH60 | HH60 | HH60 |
| Rated Differential Pressure (psig) | 1300 | 1300 | 1300 |
| No. / Corner | 2 | 2 | 2 |
| Standard Lift - Inlet / Discharge (in) | 0.085 / 0.060 | 0.085 / 0.060 | 0.085 / 0.060 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 2950 | 2950 | 2950 |
| Piston Rod & Crosshead Nut (lbs) | 86.6 | 86.1 | 85.6 |
| Piston Assembly (lbs) | 174.6 | 157.7 | 140.9 |
| Total Reciprocating (lbs) | 261.2 | 243.8 | 226.4 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 3.98 | 3.98 | 3.98 |
| - Length (in) | 8.58 | 8.58 | 8.58 |
| - Volume (cu. in.) | 106.8 | 106.8 | 106.8 |
| - Clearance % Adder OE | 30.1 | 25.1 | 21.5 |
| VVCP Option | | | |
| - Piston Diameter (in) | 7.50 | 7.50 | 7.50 |
| - Length (stroke) (in) | 5.00 | 5.00 | 5.00 |
| - Volume (cu. in.) | 220.9 | 220.9 | 220.9 |
| - Clearance % Adder OE | 62.3 | 51.9 | 44.5 |
| CBC Flange Size (in) / Rating (lbs) | 2.5 / 1500 | 2.5 / 1500 | 2.5 / 1500 |
| Suction / Discharge Flange Size (in) / Rating (lbs) | 6.0 / 900 | 6.0 / 900 | 6.0 / 900 |

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Cylinder Specifications: 10.50 HOSS Standard Cylinder – HH60

| General | 5HOSS | 6HOSS | 7HOSS | | | |
|---|--------------------------|-----------|-----------|-----------|-----------|-----------|
| Cylinder Pattern | | G9553H | | | | |
| Bore Size (in) | 10.50 | 10.50 | 10.50 | | | |
| Rod Size (in) | 2.88 | 2.88 | 2.88 | | | |
| Stroke (in) | 5.00 | 6.00 | 7.00 | | | |
| Rated Speed (RPM) | 1500 | 1200 | 1000 | | | |
| Maximum Unloaded Speed (RPM) | 1443 | 1200 | 1000 | | | |
| | | | | | | |
| Cylinder | | | | | | |
| Rated Discharge Pressure (psig) | 1500 | 1500 | 1500 | | | |
| Maximum Allowable Working Pressure (psig) | 1650 | 1650 | 1650 | | | |
| Hydrostatic Test Pressure (psig) | 2475 | 2475 | 2475 | | | |
| Water Jacket Pressure (psig) | 75 | 75 | 75 | | | |
| Water Jacket Test Pressure (psig) | 115 | 115 | 115 | | | |
| Maximum Differential Pressure (psig) | 952 | 952 | 952 | | | |
| | | | | | | |
| | OE | FE | OE | FE | OE | FE |
| Clearance (%) | 24.6 | 24.4 | 20.5 | 20.3 | 17.6 | 17.4 |
| Swept Volume (cu. in.) | 433.0 | 400.5 | 519.5 | 480.6 | 606.1 | 560.7 |
| Piston Displacement (cfm) at Rated RPM | 375.8 | 347.6 | 360.8 | 333.7 | 350.8 | 324.5 |
| | | | | | | |
| Piston | | | | | | |
| Type | 1 Piece, Solid | | | | | |
| | | | | | | |
| Piston Rings | | | | | | |
| Type | Single-Piece, Combo Type | | | | | |
| Number | 3 | | | | | |
| | | | | | | |
| Rod Packing | | | | | | |
| Design Pressure (psi) | 1999 | | | | | |
| No. of Lube Points | 1 | | | | | |
| No. of Vent Ports | 1 | | | | | |
| No. of Ring Sets | 6 | | | | | |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|---------------|---------------|---------------|
| Size & Type | HH60 | HH60 | HH60 |
| Rated Differential Pressure (psig) | 1300 | 1300 | 1300 |
| No. / Corner | 2 | 2 | 2 |
| Standard Lift - Inlet / Discharge (in) | 0.085 / 0.060 | 0.085 / 0.060 | 0.085 / 0.060 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 3050 | 3050 | 3050 |
| Piston Rod & Crosshead Nut (lbs) | 86.2 | 85.7 | 85.2 |
| Piston Assembly (lbs) | 207.1 | 186.2 | 165.2 |
| Total Reciprocating (lbs) | 293.3 | 271.9 | 250.5 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 3.98 | 3.98 | 3.98 |
| - Length (in) | 9.07 | 9.07 | 9.07 |
| - Volume (cu. in.) | 113.0 | 113.0 | 113.0 |
| - Clearance % Adder OE | 26.1 | 21.7 | 18.6 |
| VVCP Option | | | |
| - Piston Diameter (in) | 8.25 | 8.25 | 8.25 |
| - Length (stroke) (in) | 5.00 | 5.00 | 5.00 |
| - Volume (cu. in.) | 267.3 | 267.3 | 267.3 |
| - Clearance % Adder OE | 61.7 | 51.4 | 44.1 |
| CBC Flange Size (in) / Rating (lbs) | 4.0 / 900 | 4.0 / 900 | 4.0 / 900 |
| Suction / Discharge Flange Size (in) / Rating (lbs) | 6.0 / 900 | 6.0 / 900 | 6.0 / 900 |

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Cylinder Specifications: 11.50 HOSS Standard Cylinder – HH60

| General | 5HOSS | 6HOSS | 7HOSS | | | |
|---|--------------------------|-----------|-----------|-----------|-----------|-----------|
| Cylinder Pattern | | G8772E | | | | |
| Bore Size (in) | 11.50 | 11.50 | 11.50 | | | |
| Rod Size (in) | 2.88 | 2.88 | 2.88 | | | |
| Stroke (in) | 5.00 | 6.00 | 7.00 | | | |
| Rated Speed (RPM) | 1500 | 1200 | 1000 | | | |
| Maximum Unloaded Speed (RPM) | 1500 | 1200 | 1000 | | | |
| | | | | | | |
| Cylinder | | | | | | |
| Rated Discharge Pressure (psig) | 1150 | 1150 | 1150 | | | |
| Maximum Allowable Working Pressure (psig) | 1265 | 1265 | 1265 | | | |
| Hydrostatic Test Pressure (psig) | 1900 | 1900 | 1900 | | | |
| Water Jacket Pressure (psig) | 75 | 75 | 75 | | | |
| Water Jacket Test Pressure (psig) | 115 | 115 | 115 | | | |
| Maximum Differential Pressure (psig) | 809 | 809 | 809 | | | |
| | | | | | | |
| | OE | FE | OE | FE | OE | FE |
| Clearance (%) | 22.6 | 23.3 | 18.8 | 19.4 | 16.1 | 16.5 |
| Swept Volume (cu. in.) | 519.3 | 486.9 | 623.2 | 584.3 | 727.1 | 681.6 |
| Piston Displacement (cfm) at Rated RPM | 450.8 | 422.6 | 432.8 | 405.7 | 420.8 | 394.5 |
| | | | | | | |
| Piston | | | | | | |
| Type | 1 Piece, Hollow | | | | | |
| | | | | | | |
| Piston Rings | | | | | | |
| Type | Single-Piece, Combo Type | | | | | |
| Number | 2 | | | | | |
| | | | | | | |
| Rod Packing | | | | | | |
| Design Pressure (psi) | 1999 | | | | | |
| No. of Lube Points | 1 | | | | | |
| No. of Vent Ports | 1 | | | | | |
| No. of Ring Sets | 6 | | | | | |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|---------------|---------------|---------------|
| Size & Type | HH60 | HH60 | HH60 |
| Rated Differential Pressure (psig) | 1300 | 1300 | 1300 |
| No. / Corner | 2 | 2 | 2 |
| Standard Lift - Inlet / Discharge (in) | 0.085 / 0.060 | 0.085 / 0.060 | 0.085 / 0.060 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 3000 | 3000 | 3000 |
| Piston Rod & Crosshead Nut (lbs) | 85.0 | 84.5 | 84.0 |
| Piston Assembly (lbs) | 165.7 | 152.7 | 139.7 |
| Total Reciprocating (lbs) | 250.7 | 237.2 | 223.7 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 3.98 | 3.98 | 3.98 |
| - Length (in) | 8.56 | 8.56 | 8.56 |
| - Volume (cu. in.) | 106.7 | 106.7 | 106.7 |
| - Clearance % Adder OE | 20.5 | 17.1 | 14.7 |
| VVCP Option | | | |
| - Piston Diameter (in) | 9.00 | 9.00 | 9.00 |
| - Length (stroke) (in) | 5.00 | 5.00 | 5.00 |
| - Volume (cu. in.) | 318.1 | 318.1 | 318.1 |
| - Clearance % Adder OE | 61.2 | 51.0 | 43.7 |
| CBC Flange Size (in) / Rating (lbs) | 4.0 / 600 | 4.0 / 600 | 4.0 / 600 |
| Suction / Discharge Flange Size (in) / Rating (lbs) | 6.0 / 600 | 6.0 / 600 | 6.0 / 600 |

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Cylinder Specifications: 12.25 HOSS Standard Cylinder – HH60

| General | 5HOSS | 6HOSS | 7HOSS | | | |
|---|--------------------------|-----------|-----------|-----------|-----------|-----------|
| Cylinder Pattern | | HIHM1251 | | | | |
| Bore Size (in) | 12.25 | 12.25 | 12.25 | | | |
| Rod Size (in) | 2.88 | 2.88 | 2.88 | | | |
| Stroke (in) | 5.00 | 6.00 | 7.00 | | | |
| Rated Speed (RPM) | 1500 | 1200 | 1000 | | | |
| Maximum Unloaded Speed (RPM) | 1500 | 1200 | 1000 | | | |
| | | | | | | |
| Cylinder | | | | | | |
| Rated Discharge Pressure (psig) | 955 | 955 | 955 | | | |
| Maximum Allowable Working Pressure (psig) | 1050 | 1050 | 1050 | | | |
| Hydrostatic Test Pressure (psig) | 1575 | 1575 | 1575 | | | |
| Water Jacket Pressure (psig) | 75 | 75 | 75 | | | |
| Water Jacket Test Pressure (psig) | 115 | 115 | 115 | | | |
| Maximum Differential Pressure (psig) | 720 | 720 | 720 | | | |
| | | | | | | |
| | OE | FE | OE | FE | OE | FE |
| Clearance (%) | 21.6 | 22.0 | 18.0 | 18.3 | 15.4 | 15.7 |
| Swept Volume (cu. in.) | 589.3 | 556.8 | 707.2 | 668.2 | 825.0 | 779.6 |
| Piston Displacement (cfm) at Rated RPM | 511.5 | 483.4 | 491.1 | 464.0 | 477.4 | 451.1 |
| | | | | | | |
| Piston | | | | | | |
| Type | 1 Piece, Hollow | | | | | |
| | | | | | | |
| Piston Rings | | | | | | |
| Type | Single-Piece, Combo Type | | | | | |
| Number | 4 | | | | | |
| | | | | | | |
| Rod Packing | | | | | | |
| Design Pressure (psi) | 1999 | | | | | |
| No. of Lube Points | 1 | | | | | |
| No. of Vent Ports | 1 | | | | | |
| No. of Ring Sets | 6 | | | | | |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|--------------|--------------|--------------|
| Size & Type | HH60 | HH60 | HH60 |
| Rated Differential Pressure (psig) | 600 | 600 | 600 |
| No. / Corner | 2 | 2 | 2 |
| Standard Lift (in) | 0.085 | 0.085 | 0.085 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 3850 | 3850 | 3850 |
| Piston Rod & Crosshead Nut (lbs) | 88.2 | 87.7 | 87.2 |
| Piston Assembly (lbs) | 167.9 | 159.8 | 152.1 |
| Total Reciprocating (lbs) | 256.1 | 247.5 | 239.3 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 5.98 | 5.98 | 5.98 |
| - Length (in) | 9.03 | 9.03 | 9.03 |
| - Volume (cu. in.) | 253.9 | 253.9 | 253.9 |
| - Clearance % Adder OE | 43.1 | 35.9 | 30.8 |
| VVCP Option | | | |
| - Piston Diameter (in) | 9.50 | 9.50 | 9.50 |
| - Length (stroke) (in) | 5.00 | 5.00 | 5.00 |
| - Volume (cu. in.) | 354.4 | 354.4 | 354.4 |
| - Clearance % Adder OE | 60.1 | 50.1 | 43.0 |
| CBC Flange Size (in) / Rating (lbs) | 5.0 / 600 | 5.0 / 600 | 5.0 / 600 |
| Suction / Discharge Flange Size (in) / Rating (lbs) | 8.0 / 600 | 8.0 / 600 | 8.0 / 600 |

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Cylinder Specifications: 13.00 HOSS Standard Cylinder – HH67

| General | 5HOSS | 6HOSS | 7HOSS | | | |
|---|--------------------------|-----------|-----------|-----------|-----------|-----------|
| Cylinder Pattern | | G8785E | | | | |
| Bore Size (in) | 13.00 | 13.00 | 13.00 | | | |
| Rod Size (in) | 2.88 | 2.88 | 2.88 | | | |
| Stroke (in) | 5.00 | 6.00 | 7.00 | | | |
| Rated Speed (RPM) | 1500 | 1200 | 1000 | | | |
| Maximum Unloaded Speed (RPM) | 1478 | 1200 | 1000 | | | |
| | | | | | | |
| Cylinder | | | | | | |
| Rated Discharge Pressure (psig) | 880 | 880 | 880 | | | |
| Maximum Allowable Working Pressure (psig) | 970 | 970 | 970 | | | |
| Hydrostatic Test Pressure (psig) | 1455 | 1455 | 1455 | | | |
| Water Jacket Pressure (psig) | 75 | 75 | 75 | | | |
| Water Jacket Test Pressure (psig) | 115 | 115 | 115 | | | |
| Maximum Differential Pressure (psig) | 639 | 639 | 639 | | | |
| | | | | | | |
| | OE | FE | OE | FE | OE | FE |
| Clearance (%) | 21.2 | 21.6 | 17.7 | 18.0 | 15.2 | 15.4 |
| Swept Volume (cu. in.) | 663.7 | 631.2 | 796.4 | 757.4 | 929.1 | 883.7 |
| Piston Displacement (cfm) at Rated RPM | 576.1 | 547.9 | 553.1 | 526.0 | 537.7 | 511.4 |
| | | | | | | |
| Piston | | | | | | |
| Type | 1 Piece, Hollow | | | | | |
| | | | | | | |
| Piston Rings | | | | | | |
| Type | Single-Piece, Combo Type | | | | | |
| Number | 3 | | | | | |
| | | | | | | |
| Rod Packing | | | | | | |
| Design Pressure (psi) | 999 | | | | | |
| No. of Lube Points | 1 | | | | | |
| No. of Vent Ports | 1 | | | | | |
| No. of Ring Sets | 5 | | | | | |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|--------------|--------------|--------------|
| Size & Type | HH67 | HH67 | HH67 |
| Rated Differential Pressure (psig) | 400 | 400 | 400 |
| No. / Corner | 2 | 2 | 2 |
| Standard Lift (in) | 0.085 | 0.085 | 0.085 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 3790 | 3790 | 3790 |
| Piston Rod & Crosshead Nut (lbs) | 86.8 | 86.3 | 85.8 |
| Piston Assembly (lbs) | 185.4 | 173.1 | 160.9 |
| Total Reciprocating (lbs) | 272.2 | 259.4 | 246.7 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 5.98 | 5.98 | 5.98 |
| - Length (in) | 9.53 | 9.53 | 9.53 |
| - Volume (cu. in.) | 267.9 | 267.9 | 267.9 |
| - Clearance % Adder OE | 40.4 | 33.6 | 28.8 |
| VVCP Option | | | |
| - Piston Diameter (in) | 10.00 | 10.00 | 10.00 |
| - Length (stroke) (in) | 5.00 | 5.00 | 5.00 |
| - Volume (cu. in.) | 392.7 | 392.7 | 392.7 |
| - Clearance % Adder OE | 59.2 | 49.3 | 42.3 |
| CBC Flange Size (in) / Rating (lbs) | 6.0 / 400 | 6.0 / 400 | 6.0 / 400 |
| Suction / Discharge Flange Size (in) / Rating (lbs) | 8.0 / 600 | 8.0 / 600 | 8.0 / 600 |

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Cylinder Specifications: 14.00 HOSS Standard Cylinder – HH67

| General | 5HOSS | 6HOSS | 7HOSS | | | |
|---|--------------------------|--------------|--------------|-----------|-----------|-----------|
| Cylinder Pattern | | G8801H | | | | |
| Bore Size (in) | 14.00 | 14.00 | 14.00 | | | |
| Rod Size (in) | 2.88 | 2.88 | 2.88 | | | |
| Stroke (in) | 5.00 | 6.00 | 7.00 | | | |
| Rated Speed (RPM) | 1500 | 1200 | 1000 | | | |
| Maximum Unloaded Speed (RPM) | 1404 | 1200 | 1000 | | | |
| Cylinder | | | | | | |
| Rated Discharge Pressure (psig) | 680 | 680 | 680 | | | |
| Maximum Allowable Working Pressure (psig) | 750 | 750 | 750 | | | |
| Hydrostatic Test Pressure (psig) | 1125 | 1125 | 1125 | | | |
| Water Jacket Pressure (psig) | 75 | 75 | 75 | | | |
| Water Jacket Test Pressure (psig) | 115 | 115 | 115 | | | |
| Maximum Differential Pressure (psig) | 557 | 557 | 557 | | | |
| | OE | FE | OE | FE | OE | FE |
| Clearance (%) | 21.8 | 21.7 | 18.2 | 18.1 | 15.6 | 15.5 |
| Swept Volume (cu. in.) | 769.7 | 737.2 | 923.6 | 884.7 | 1077.6 | 1032.1 |
| Piston Displacement (cfm) at Rated RPM | 668.1 | 640.0 | 641.4 | 614.4 | 623.6 | 597.3 |
| Piston | | | | | | |
| Type | 1 Piece, Hollow | | | | | |
| Piston Rings | | | | | | |
| Type | Single-Piece, Combo Type | | | | | |
| Number | 2 | | | | | |
| Rod Packing | | | | | | |
| Design Pressure (psi) | 999 | | | | | |
| No. of Lube Points | 1 | | | | | |
| No. of Vent Ports | 1 | | | | | |
| No. of Ring Sets | 5 | | | | | |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|--------------|--------------|--------------|
| Size & Type | HH67 | HH67 | HH67 |
| Rated Differential Pressure (psig) | 400 | 400 | 400 |
| No. / Corner | 2 | 2 | 2 |
| Standard Lift (in) | 0.085 | 0.085 | 0.085 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 3550 | 3550 | 3550 |
| Piston Rod & Crosshead Nut (lbs) | 88.9 | 88.4 | 87.9 |
| Piston Assembly (lbs) | 229.4 | 220.2 | 206.1 |
| Total Reciprocating (lbs) | 318.3 | 308.7 | 294.0 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 5.98 | 5.98 | 5.98 |
| - Length (in) | 9.53 | 9.53 | 9.53 |
| - Volume (cu. in.) | 267.9 | 267.9 | 267.9 |
| - Clearance % Adder OE | 34.8 | 29.0 | 24.9 |
| VVCP Option | | | |
| - Piston Diameter (in) | 10.88 | 10.88 | 10.88 |
| - Length (Stroke) (in) | 5.00 | 5.00 | 5.00 |
| - Volume (cu. in.) | 464.4 | 464.4 | 464.4 |
| - Clearance % Adder OE | 60.3 | 50.3 | 43.1 |
| CBC Flange Size (in) / Rating (lbs) | 6.0 / 400 | 6.0 / 400 | 6.0 / 400 |
| Suction / Discharge Flange Size (in) / Rating (lbs) | 8.0 / 400 | 8.0 / 400 | 8.0 / 400 |

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Cylinder Specifications: 15.00 HOSS Standard Cylinder – HH67

| General | 5HOSS | 6HOSS | 7HOSS | | | |
|---|--------------------------|-----------|-----------|-----------|-----------|-----------|
| Cylinder Pattern | | G8801F | | | | |
| Bore Size (in) | 15.00 | 15.00 | 15.00 | | | |
| Rod Size (in) | 2.88 | 2.88 | 2.88 | | | |
| Stroke (in) | 5.00 | 6.00 | 7.00 | | | |
| Rated Speed (RPM) | 1500 | 1200 | 1000 | | | |
| Maximum Unloaded Speed (RPM) | 1500 | 1200 | 1000 | | | |
| | | | | | | |
| Cylinder | | | | | | |
| Rated Discharge Pressure (psig) | 675 | 675 | 675 | | | |
| Maximum Allowable Working Pressure (psig) | 745 | 745 | 745 | | | |
| Hydrostatic Test Pressure (psig) | 1120 | 1120 | 1120 | | | |
| Water Jacket Pressure (psig) | 75 | 75 | 75 | | | |
| Water Jacket Test Pressure (psig) | 115 | 115 | 115 | | | |
| Maximum Differential Pressure (psig) | 483 | 483 | 483 | | | |
| | | | | | | |
| | OE | FE | OE | FE | OE | FE |
| Clearance (%) | 17.4 | 17.3 | 14.5 | 14.4 | 12.4 | 12.3 |
| Swept Volume (cu. in.) | 883.6 | 851.1 | 1060.3 | 1021.3 | 1237.0 | 1191.6 |
| Piston Displacement (cfm) at Rated RPM | 767.0 | 738.8 | 736.3 | 709.3 | 715.9 | 689.6 |
| | | | | | | |
| Piston | | | | | | |
| Type | 1 Piece, Hollow | | | | | |
| | | | | | | |
| Piston Rings | | | | | | |
| Type | Single-Piece, Combo Type | | | | | |
| Number | 2 | | | | | |
| | | | | | | |
| Rod Packing | | | | | | |
| Design Pressure (psi) | 999 | | | | | |
| No. of Lube Points | 1 | | | | | |
| No. of Vent Ports | 1 | | | | | |
| No. of Ring Sets | 5 | | | | | |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|--------------|--------------|--------------|
| Size & Type | HH67 | HH67 | HH67 |
| Rated Differential Pressure (psig) | 400 | 400 | 400 |
| No. / Corner | 2 | 2 | 2 |
| Standard Lift (in) | 0.085 | 0.085 | 0.085 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 3650 | 3650 | 3650 |
| Piston Rod & Crosshead Nut (lbs) | 89.4 | 88.9 | 88.4 |
| Piston Assembly (lbs) | 155.7 | 146.5 | 143.8 |
| Total Reciprocating (lbs) | 245.1 | 235.4 | 232.2 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 5.98 | 5.98 | 5.98 |
| - Length (in) | 9.53 | 9.53 | 9.53 |
| - Volume (cu. in.) | 267.9 | 267.9 | 267.9 |
| - Clearance % Adder OE | 30.3 | 25.3 | 21.7 |
| VVCP Option | | | |
| - Piston Diameter (in) | 11.75 | 11.75 | 11.75 |
| - Length (stroke) (in) | 5.00 | 5.00 | 5.00 |
| - Volume (cu. in.) | 542.2 | 542.2 | 542.2 |
| - Clearance % Adder OE | 61.4 | 51.1 | 43.8 |
| CBC Flange Size (in) / Rating (lbs) | 6.0 / 400 | 6.0 / 400 | 6.0 / 400 |
| Suction / Discharge Flange Size (in) / Rating (lbs) | 8.0 / 400 | 8.0 / 400 | 8.0 / 400 |

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Cylinder Specifications: 16.25 HOSS Standard Cylinder – HH67

| General | 5HOSS | 6HOSS | 7HOSS | | | |
|---|--------------------------|-----------|-----------|-----------|-----------|-----------|
| Cylinder Pattern | | HIHM1651 | | | | |
| Bore Size (in) | 16.25 | 16.25 | 16.25 | | | |
| Rod Size (in) | 2.88 | 2.88 | 2.88 | | | |
| Stroke (in) | 5.00 | 6.00 | 7.00 | | | |
| Rated Speed (RPM) | 1500 | 1200 | 1000 | | | |
| Maximum Unloaded Speed (RPM) | 1323 | 1200 | 1000 | | | |
| | | | | | | |
| Cylinder | | | | | | |
| Rated Discharge Pressure (psig) | 545 | 545 | 545 | | | |
| Maximum Allowable Working Pressure (psig) | 600 | 600 | 600 | | | |
| Hydrostatic Test Pressure (psig) | 900 | 900 | 900 | | | |
| Water Jacket Pressure (psig) | 75 | 75 | 75 | | | |
| Water Jacket Test Pressure (psig) | 115 | 115 | 115 | | | |
| Maximum Differential Pressure (psig) | 414 | 414 | 414 | | | |
| | | | | | | |
| | OE | FE | OE | FE | OE | FE |
| Clearance (%) | 20.4 | 22.0 | 17.0 | 18.3 | 14.6 | 15.7 |
| Swept Volume (cu. in.) | 1037.0 | 1004.5 | 1244.4 | 1205.4 | 1451.8 | 1406.3 |
| Piston Displacement (cfm) at Rated RPM | 900.1 | 872.0 | 864.1 | 837.1 | 840.1 | 813.8 |
| | | | | | | |
| Piston | | | | | | |
| Type | 1 Piece, Hollow | | | | | |
| | | | | | | |
| Piston Rings | | | | | | |
| Type | Single-Piece, Combo Type | | | | | |
| Number | 3 | | | | | |
| | | | | | | |
| Rod Packing | | | | | | |
| Design Pressure (psi) | 999 | | | | | |
| No. of Lube Points | 1 | | | | | |
| No. of Vent Ports | 1 | | | | | |
| No. of Ring Sets | 5 | | | | | |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|--------------|--------------|--------------|
| Size & Type | HH67 | HH67 | HH67 |
| Rated Differential Pressure (psig) | 400 | 400 | 400 |
| No. / Corner | 3 | 3 | 3 |
| Standard Lift (in) | 0.085 | 0.085 | 0.085 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 5260 | 5260 | 5260 |
| Piston Rod & Crosshead Nut (lbs) | 90.8 | 90.3 | 89.8 |
| Piston Assembly (lbs) | 287.5 | 267.6 | 248.6 |
| Total Reciprocating (lbs) | 378.3 | 358.0 | 338.4 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 7.98 | 7.98 | 7.98 |
| - Length (in) | 9.50 | 9.50 | 9.50 |
| - Volume (cu. in.) | 475.4 | 475.4 | 475.4 |
| - Clearance % Adder OE | 45.8 | 38.2 | 32.7 |
| VVCP Option | | | |
| - Piston Diameter (in) | 13.00 | 13.00 | 13.00 |
| - Length (stroke) (in) | 5.00 | 5.00 | 5.00 |
| - Volume (cu. in.) | 663.7 | 663.7 | 663.7 |
| - Clearance % Adder OE | 64.0 | 53.3 | 45.7 |
| CBC Flange Size (in) / Rating (lbs) | 8.0 / 300 | 8.0 / 300 | 8.0 / 300 |
| Suction / Discharge Flange Size (in) / Rating (lbs) | 10.0 / 300 | 10.0 / 300 | 10.0 / 300 |

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Cylinder Specifications: 17.50 HOSS Standard Cylinder – HH67

| General | 5HOSS | 6HOSS | 7HOSS | | | |
|---|--------------------------|-----------|-----------|-----------|-----------|-----------|
| Cylinder Pattern | | G8803E | | | | |
| Bore Size (in) | 17.50 | 17.50 | 17.50 | | | |
| Rod Size (in) | 2.88 | 2.88 | 2.88 | | | |
| Stroke (in) | 5.00 | 6.00 | 7.00 | | | |
| Rated Speed (RPM) | 1500 | 1200 | 1000 | | | |
| Maximum Unloaded Speed (RPM) | 1464 | 1200 | 1000 | | | |
| | | | | | | |
| Cylinder | | | | | | |
| Rated Discharge Pressure (psig) | 495 | 495 | 495 | | | |
| Maximum Allowable Working Pressure (psig) | 545 | 545 | 545 | | | |
| Hydrostatic Test Pressure (psig) | 820 | 820 | 820 | | | |
| Water Jacket Pressure (psig) | 75 | 75 | 75 | | | |
| Water Jacket Test Pressure (psig) | 115 | 115 | 115 | | | |
| Maximum Differential Pressure (psig) | 357 | 357 | 357 | | | |
| | | | | | | |
| | OE | FE | OE | FE | OE | FE |
| Clearance (%) | 18.6 | 18.2 | 15.5 | 15.2 | 13.3 | 13.0 |
| Swept Volume (cu. in.) | 1202.6 | 1170.2 | 1443.2 | 1404.2 | 1683.7 | 1638.3 |
| Piston Displacement (cfm) at Rated RPM | 1044.0 | 1015.8 | 1002.2 | 975.2 | 974.4 | 948.1 |
| | | | | | | |
| Piston | | | | | | |
| Type | 1 Piece, Hollow | | | | | |
| | | | | | | |
| Piston Rings | | | | | | |
| Type | Single-Piece, Combo Type | | | | | |
| Number | 2 | | | | | |
| | | | | | | |
| Rod Packing | | | | | | |
| Design Pressure (psi) | 999 | | | | | |
| No. of Lube Points | 1 | | | | | |
| No. of Vent Ports | 1 | | | | | |
| No. of Ring Sets | 5 | | | | | |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|--------------|--------------|--------------|
| Size & Type | HH67 | HH67 | HH67 |
| Rated Differential Pressure (psig) | 400 | 400 | 400 |
| No. / Corner | 3 | 3 | 3 |
| Standard Lift (in) | 0.085 | 0.085 | 0.085 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 5300 | 5300 | 5300 |
| Piston Rod & Crosshead Nut (lbs) | 90.5 | 90.0 | 89.5 |
| Piston Assembly | 190.2 | 179.1 | 181.8 |
| Total Reciprocating (lbs) | 280.7 | 269.1 | 271.3 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 7.98 | 7.98 | 7.98 |
| - Length (in) | 9.50 | 9.50 | 9.50 |
| - Volume (cu. in.) | 475.4 | 475.4 | 475.4 |
| - Clearance % Adder OE | 39.5 | 32.9 | 28.2 |
| VVCP Option | | | |
| - Piston Diameter (in) | 14.50 | 14.50 | 14.50 |
| - Length (stroke) (in) | 5.00 | 5.00 | 5.00 |
| - Volume (cu. in.) | 825.6 | 825.6 | 825.6 |
| - Clearance % Adder OE | 68.7 | 57.2 | 49.0 |
| CBC Flange Size (in) / Rating (lbs) | 8.0 / 300 | 8.0 / 300 | 8.0 / 300 |
| Suction / Discharge Flange Size (in) / Rating (lbs) | 10.0 / 300 | 10.0 / 300 | 10.0 / 300 |

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Cylinder Specifications: 19.00 HOSS Standard Cylinder – HH75

| General | 5HOSS | 6HOSS | 7HOSS | | | |
|---|--------------------------|-----------|-----------|-----------|-----------|-----------|
| Cylinder Pattern | | G8767D | | | | |
| Bore Size (in) | 19.00 | 19.00 | 19.00 | | | |
| Rod Size (in) | 2.88 | 2.88 | 2.88 | | | |
| Stroke (in) | 5.00 | 6.00 | 7.00 | | | |
| Rated Speed (RPM) | 1500 | 1200 | 1000 | | | |
| Maximum Unloaded Speed (RPM) | 1413 | 1200 | 1000 | | | |
| | | | | | | |
| Cylinder | | | | | | |
| Rated Discharge Pressure (psig) | 425 | 425 | 425 | | | |
| Maximum Allowable Working Pressure (psig) | 470 | 470 | 470 | | | |
| Hydrostatic Test Pressure (psig) | 705 | 705 | 705 | | | |
| Water Jacket Pressure (psig) | 75 | 75 | 75 | | | |
| Water Jacket Test Pressure (psig) | 115 | 115 | 115 | | | |
| Maximum Differential Pressure (psig) | 303 | 303 | 303 | | | |
| | | | | | | |
| | OE | FE | OE | FE | OE | FE |
| Clearance (%) | 19.3 | 18.7 | 16.1 | 15.6 | 13.8 | 13.4 |
| Swept Volume (cu. in.) | 1417.6 | 1385.2 | 1701.2 | 1662.2 | 1984.7 | 1939.3 |
| Piston Displacement (cfm) at Rated RPM | 1230.6 | 1202.4 | 1181.4 | 1154.3 | 1148.6 | 1122.3 |
| | | | | | | |
| Piston | | | | | | |
| Type | 1 Piece, Hollow | | | | | |
| | | | | | | |
| Piston Rings | | | | | | |
| Type | Single-Piece, Combo Type | | | | | |
| Number | 2 | | | | | |
| | | | | | | |
| Rod Packing | | | | | | |
| Design Pressure (psi) | 999 | | | | | |
| No. of Lube Points | 1 | | | | | |
| No. of Vent Ports | 1 | | | | | |
| No. of Ring Sets | 5 | | | | | |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|--------------|--------------|--------------|
| Size & Type | HH75 | HH75 | HH75 |
| Rated Differential Pressure (psig) | 375 | 375 | 375 |
| No. / Corner | 3 | 3 | 3 |
| Standard Lift (in) | 0.085 | 0.085 | 0.085 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 5725 | 5725 | 5725 |
| Piston Rod & Crosshead Nut (lbs) | 91.8 | 91.3 | 90.8 |
| Piston Assembly (lbs) | 220.6 | 210.3 | 195.1 |
| Total Reciprocating (lbs) | 312.3 | 301.5 | 285.9 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 7.98 | 7.98 | 7.98 |
| - Length (in) | 10.38 | 10.38 | 10.38 |
| - Volume (cu. in.) | 519.2 | 519.2 | 519.2 |
| - Clearance % Adder OE | 36.6 | 30.5 | 26.2 |
| VVCP Option | | | |
| - Piston Diameter (in) | 15.00 | 15.00 | 15.00 |
| - Length (stroke) (in) | 5.00 | 5.00 | 5.00 |
| - Volume (cu. in.) | 883.6 | 883.6 | 883.6 |
| - Clearance % Adder OE | 62.3 | 51.9 | 44.5 |
| CBC Flange Size (in) / Rating (lbs) | 8.0 / 300 | 8.0 / 300 | 8.0 / 300 |
| Suction / Discharge Flange Size (in) / Rating (lbs) | 10.0 / 300 | 10.0 / 300 | 10.0 / 300 |

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Cylinder Specifications: 20.50 HOSS Standard Cylinder – HH75

| General | 5HOSS | 6HOSS | 7HOSS | | | |
|---|--------------------------|-----------|-----------|-----------|-----------|-----------|
| Cylinder Pattern | | G8767C | | | | |
| Bore Size (in) | 20.50 | 20.50 | 20.50 | | | |
| Rod Size (in) | 2.88 | 2.88 | 2.88 | | | |
| Stroke (in) | 5.00 | 6.00 | 7.00 | | | |
| Rated Speed (RPM) | 1500 | 1200 | 1000 | | | |
| Maximum Unloaded Speed (RPM) | 1409 | 1200 | 1000 | | | |
| | | | | | | |
| Cylinder | | | | | | |
| Rated Discharge Pressure (psig) | 425 | 425 | 425 | | | |
| Maximum Allowable Working Pressure (psig) | 470 | 470 | 470 | | | |
| Hydrostatic Test Pressure (psig) | 705 | 705 | 705 | | | |
| Water Jacket Pressure (psig) | 75 | 75 | 75 | | | |
| Water Jacket Test Pressure (psig) | 115 | 115 | 115 | | | |
| Maximum Differential Pressure (psig) | 259 | 259 | 259 | | | |
| | | | | | | |
| | OE | FE | OE | FE | OE | FE |
| Clearance (%) | 16.9 | 16.4 | 14.1 | 13.7 | 12.1 | 11.7 |
| Swept Volume (cu. in.) | 1650.3 | 1617.9 | 1980.4 | 1941.4 | 2310.4 | 2265.0 |
| Piston Displacement (cfm) at Rated RPM | 1432.6 | 1404.4 | 1375.3 | 1348.2 | 1337.1 | 1310.8 |
| | | | | | | |
| Piston | | | | | | |
| Type | 1 Piece, Hollow | | | | | |
| | | | | | | |
| Piston Rings | | | | | | |
| Type | Single-Piece, Combo Type | | | | | |
| Number | 2 | | | | | |
| | | | | | | |
| Rod Packing | | | | | | |
| Design Pressure (psi) | 999 | | | | | |
| No. of Lube Points | 1 | | | | | |
| No. of Vent Ports | 1 | | | | | |
| No. of Ring Sets | 5 | | | | | |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|--------------|--------------|--------------|
| Size & Type | HH75 | HH75 | HH75 |
| Rated Differential Pressure (psig) | 375 | 375 | 375 |
| No. / Corner | 3 | 3 | 3 |
| Standard Lift (in) | 0.085 | 0.085 | 0.085 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 5600 | 5600 | 5600 |
| Piston Rod & Crosshead Nut (lbs) | 91.8 | 91.3 | 90.8 |
| Piston Assembly (lbs) | 223.3 | 209.4 | 215.9 |
| Total Reciprocating (lbs) | 315.1 | 300.6 | 306.6 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 7.98 | 7.98 | 7.98 |
| - Length (in) | 10.38 | 10.38 | 10.38 |
| - Volume (cu. in.) | 519.2 | 519.2 | 519.2 |
| - Clearance % Adder OE | 31.5 | 26.2 | 22.5 |
| VVCP Option | | | |
| - Diameter (in) | 16.25 | 16.25 | 16.25 |
| - Length (stroke) (in) | 5.00 | 5.00 | 5.00 |
| - Volume (cu. in.) | 1037.0 | 1037.0 | 1037.0 |
| - Clearance % Adder OE | 62.8 | 52.4 | 44.9 |
| CBC Flange Size (in) / Rating (lbs) | 8.0 / 300 | 8.0 / 300 | 8.0 / 300 |
| Suction / Discharge Flange Size (in) / Rating (lbs) | 10.0 / 300 | 10.0 / 300 | 10.0 / 300 |

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Cylinder Specifications: 22.00 HOSS Standard Cylinder – HH81

| General | 5HOSS | 6HOSS | 7HOSS | | | |
|---|--------------------------|-----------|-----------|-----------|-----------|-----------|
| Cylinder Pattern | | G9571B | | | | |
| Bore Size (in) | 22.00 | 22.00 | 22.00 | | | |
| Rod Size (in) | 2.88 | 2.88 | 2.88 | | | |
| Stroke (in) | 5.00 | 6.00 | 7.00 | | | |
| Rated Speed (RPM) | 1500 | 1200 | 1000 | | | |
| Maximum Unloaded Speed (RPM) | 1304 | 1194 | 1000 | | | |
| | | | | | | |
| Cylinder | | | | | | |
| Rated Discharge Pressure (psig) | 320 | 320 | 320 | | | |
| Maximum Allowable Working Pressure (psig) | 350 | 350 | 350 | | | |
| Hydrostatic Test Pressure (psig) | 525 | 525 | 525 | | | |
| Water Jacket Pressure (psig) | 75 | 75 | 75 | | | |
| Water Jacket Test Pressure (psig) | 115 | 115 | 115 | | | |
| Maximum Differential Pressure (psig) | 227 | 227 | 227 | | | |
| | | | | | | |
| | OE | FE | OE | FE | OE | FE |
| Clearance (%) | 19.0 | 18.1 | 15.8 | 15.1 | 13.5 | 12.9 |
| Swept Volume (cu. in.) | 1900.7 | 1868.2 | 2280.8 | 2241.8 | 2660.9 | 2615.5 |
| Piston Displacement (cfm) at Rated RPM | 1649.9 | 1621.7 | 1583.9 | 1556.8 | 1539.9 | 1513.6 |
| | | | | | | |
| Piston | | | | | | |
| Type | 1 Piece, Hollow | | | | | |
| | | | | | | |
| Piston Rings | | | | | | |
| Type | Single-Piece, Combo Type | | | | | |
| Number | 2 | | | | | |
| | | | | | | |
| Rod Packing | | | | | | |
| Design Pressure (psi) | 999 | | | | | |
| No. of Lube Points | 1 | | | | | |
| No. of Vent Ports | 1 | | | | | |
| No. of Ring Sets | 5 | | | | | |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|--------------|--------------|--------------|
| Size & Type | HH81 | HH81 | HH81 |
| Rated Differential Pressure (psig) | 250 | 250 | 250 |
| No. / Corner | 3 | 3 | 3 |
| Standard Lift (in) | 0.085 | 0.085 | 0.085 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 6360 | 6360 | 6360 |
| Piston Rod & Crosshead Nut (lbs) | 97.9 | 97.4 | 96.9 |
| Piston Assembly (lbs) | 296.4 | 280.5 | 263.6 |
| Total Reciprocating (lbs) | 394.3 | 377.9 | 360.5 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 9.98 | 9.98 | 9.98 |
| - Length (in) | 12.03 | 12.03 | 12.03 |
| - Volume (cu. in.) | 941.6 | 941.6 | 941.6 |
| - Clearance % Adder OE | 49.5 | 41.3 | 35.4 |
| VVCP Option | | | |
| - Diameter (in) | 17.13 | 17.13 | 17.13 |
| - Length (stroke) (in) | 5.00 | 5.00 | 5.00 |
| - Volume (cu. in.) | 1151.7 | 1151.7 | 1151.7 |
| - Clearance % Adder OE | 60.6 | 50.5 | 43.3 |
| CBC Flange Size (in) / Rating (lbs) | 10.0 / 300 | 10.0 / 300 | 10.0 / 300 |
| Suction / Discharge Flange Size (in) / Rating (lbs) | 12.0 / 300 | 12.0 / 300 | 12.0 / 300 |

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Cylinder Specifications: 23.00 HOSS Standard Cylinder – HH81

| General | 5HOSS | 6HOSS | 7HOSS |
|------------------------------|-------|--------|-------|
| Cylinder Pattern | | G9571A | |
| Bore Size (in) | 23.00 | 23.00 | 23.00 |
| Rod Size (in) | 2.88 | 2.88 | 2.88 |
| Stroke (in) | 5.00 | 6.00 | 7.00 |
| Rated Speed (RPM) | 1500 | 1200 | 1000 |
| Maximum Unloaded Speed (RPM) | 1299 | 1190 | 1000 |

Cylinder

| | | | |
|---|-----|-----|-----|
| Rated Discharge Pressure (psig) | 320 | 320 | 320 |
| Maximum Allowable Working Pressure (psig) | 350 | 350 | 350 |
| Hydrostatic Test Pressure (psig) | 525 | 525 | 525 |
| Water Jacket Pressure (psig) | 75 | 75 | 75 |
| Water Jacket Test Pressure (psig) | 115 | 115 | 115 |
| Maximum Differential Pressure (psig) | 207 | 207 | 207 |

| | OE | FE | OE | FE | OE | FE |
|--|--------|--------|--------|--------|--------|--------|
| Clearance (%) | 17.4 | 16.7 | 14.5 | 13.9 | 12.4 | 11.9 |
| Swept Volume (cu. in.) | 2077.4 | 2044.9 | 2492.9 | 2453.9 | 2908.3 | 2862.9 |
| Piston Displacement (cfm) at Rated RPM | 1803.3 | 1775.1 | 1731.1 | 1704.1 | 1683.1 | 1656.8 |

Piston

| | |
|------|-----------------|
| Type | 1 Piece, Hollow |
|------|-----------------|

Piston Rings

| | |
|--------|--------------------------|
| Type | Single-Piece, Combo Type |
| Number | 2 |

Rod Packing

| | |
|-----------------------|-----|
| Design Pressure (psi) | 999 |
| No. of Lube Points | 1 |
| No. of Vent Ports | 1 |
| No. of Ring Sets | 5 |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|--------------|--------------|--------------|
| Size & Type | HH81 | HH81 | HH81 |
| Rated Differential Pressure (psig) | 250 | 250 | 250 |
| No. / Corner | 3 | 3 | 3 |
| Standard Lift (in) | 0.085 | 0.085 | 0.085 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 6300 | 6300 | 6300 |
| Piston Rod & Crosshead Nut (lbs) | 97.9 | 97.4 | 96.9 |
| Piston Assembly (lbs) | 300.2 | 284.5 | 265.5 |
| Total Reciprocating (lbs) | 398.1 | 381.8 | 362.4 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 9.98 | 9.98 | 9.98 |
| - Length (in) | 12.03 | 12.03 | 12.03 |
| - Volume (cu. in.) | 941.6 | 941.6 | 941.6 |
| - Clearance % Adder OE | 45.3 | 37.8 | 32.4 |
| VVCP Option | | | |
| - Piston Diameter (in) | 17.88 | 17.88 | 17.88 |
| - Length (stroke) (in) | 5.00 | 5.00 | 5.00 |
| - Volume (cu. in.) | 1254.7 | 1254.7 | 1254.7 |
| - Clearance % Adder OE | 60.4 | 50.3 | 43.1 |
| CBC Flange Size (in) / Rating (lbs) | 10.0 / 300 | 10.0 / 300 | 10.0 / 300 |
| Suction / Discharge Flange Size (in) / Rating (lbs) | 12.0 / 300 | 12.0 / 300 | 12.0 / 300 |

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Cylinder Specifications: 24.50 HOSS Standard Cylinder – HH81

| General | 5HOSS | 6HOSS | 7HOSS | | | |
|---|--------------------------|-----------|-----------|-----------|-----------|-----------|
| Cylinder Pattern | | HIHM2451 | | | | |
| Bore Size (in) | 24.50 | 24.50 | 24.50 | | | |
| Rod Size (in) | 2.88 | 2.88 | 2.88 | | | |
| Stroke (in) | 5.00 | 6.00 | 7.00 | | | |
| Rated Speed (RPM) | 1500 | 1200 | 1000 | | | |
| Maximum Unloaded Speed (RPM) | 1246 | 1141 | 1000 | | | |
| | | | | | | |
| Cylinder | | | | | | |
| Rated Discharge Pressure (psig) | 255 | 255 | 255 | | | |
| Maximum Allowable Working Pressure (psig) | 280 | 280 | 280 | | | |
| Hydrostatic Test Pressure (psig) | 420 | 420 | 420 | | | |
| Water Jacket Pressure (psig) | 75 | 75 | 75 | | | |
| Water Jacket Test Pressure (psig) | 115 | 115 | 115 | | | |
| Maximum Differential Pressure (psig) | 183 | 183 | 183 | | | |
| | | | | | | |
| | OE | FE | OE | FE | OE | FE |
| Clearance (%) | 18.7 | 16.2 | 15.6 | 13.5 | 13.4 | 11.6 |
| Swept Volume (cu. in.) | 2357.2 | 2324.7 | 2828.6 | 2789.7 | 3300.0 | 3254.6 |
| Piston Displacement (cfm) at Rated RPM | 2046.2 | 2018.0 | 1964.3 | 1937.3 | 1909.7 | 1883.5 |
| | | | | | | |
| Piston | | | | | | |
| Type | 1 Piece, Hollow | | | | | |
| | | | | | | |
| Piston Rings | | | | | | |
| Type | Single-Piece, Combo Type | | | | | |
| Number | 2 | | | | | |
| | | | | | | |
| Rod Packing | | | | | | |
| Design Pressure (psi) | 999 | | | | | |
| No. of Lube Points | 1 | | | | | |
| No. of Vent Ports | 1 | | | | | |
| No. of Ring Sets | 5 | | | | | |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|--------------|--------------|--------------|
| Size & Type | HH81 | HH81 | HH81 |
| Rated Differential Pressure (psig) | 250 | 250 | 250 |
| No. / Corner | 3 | 3 | 3 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 6400 | 6400 | 6400 |
| Piston Rod & Crosshead Nut (lbs) | 100.5 | 100.0 | 99.5 |
| Piston Assembly (lbs) | 345.7 | 328.8 | 311.6 |
| Total Reciprocating (lbs) | 446.2 | 428.8 | 411.2 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 11.98 | 11.98 | 11.98 |
| - Length (in) | 11.78 | 11.78 | 11.78 |
| - Volume (cu. in.) | 1328.5 | 1328.5 | 1328.5 |
| - Clearance % Adder OE | 56.4 | 47.0 | 40.3 |
| VVCP Option | | | |
| - Piston Diameter (in) | 20.25 | 20.25 | 20.25 |
| - Length (stroke) (in) | 5.00 | 5.00 | 5.00 |
| - Volume (cu. in.) | 1610.3 | 1610.3 | 1610.3 |
| - Clearance % Adder OE | 68.3 | 56.9 | 48.8 |
| CBC Flange Size (in) / Rating (lbs) | 12.0 / 300 | 12.0 / 300 | 12.0 / 300 |
| Suction / Discharge Flange Size (in) / Rating (lbs) | 14.0 / 300 | 14.0 / 300 | 14.0 / 300 |

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Cylinder Specifications: 26.00 HOSS Standard Cylinder – HH81

| General | 5HOSS | 6HOSS | 7HOSS | | | |
|---|--------------------------|-----------|-----------|-----------|-----------|-----------|
| Cylinder Pattern | | G5121D | | | | |
| Bore Size (in) | 26.00 | 26.00 | 26.00 | | | |
| Rod Size (in) | 2.88 | 2.88 | 2.88 | | | |
| Stroke (in) | 5.00 | 6.00 | 7.00 | | | |
| Rated Speed (RPM) | 1500 | 1200 | 1000 | | | |
| Maximum Unloaded Speed (RPM) | 1298 | 1196 | 1000 | | | |
| | | | | | | |
| Cylinder | | | | | | |
| Rated Discharge Pressure (psig) | 255 | 255 | 255 | | | |
| Maximum Allowable Working Pressure (psig) | 280 | 280 | 280 | | | |
| Hydrostatic Test Pressure (psig) | 420 | 420 | 420 | | | |
| Water Jacket Pressure (psig) | 75 | 75 | 75 | | | |
| Water Jacket Test Pressure (psig) | 115 | 115 | 115 | | | |
| Maximum Differential Pressure (psig) | 162 | 162 | 162 | | | |
| | | | | | | |
| | OE | FE | OE | FE | OE | FE |
| Clearance (%) | 26.3 | 15.1 | 21.9 | 12.6 | 18.8 | 10.8 |
| Swept Volume (cu. in.) | 2654.6 | 2622.2 | 3185.6 | 3146.6 | 3716.5 | 3671.1 |
| Piston Displacement (cfm) at Rated RPM | 2304.4 | 2276.2 | 2212.2 | 2185.2 | 2150.8 | 2124.5 |
| | | | | | | |
| Piston | | | | | | |
| Type | 1 Piece, Hollow | | | | | |
| | | | | | | |
| Piston Rings | | | | | | |
| Type | Single-Piece, Combo Type | | | | | |
| Number | 3 | | | | | |
| | | | | | | |
| Rod Packing | | | | | | |
| Design Pressure (psi) | 999 | | | | | |
| No. of Lube Points | 1 | | | | | |
| No. of Vent Ports | 1 | | | | | |
| No. of Ring Sets | 5 | | | | | |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|--------------|--------------|--------------|
| Size & Type | HH81 | HH81 | HH81 |
| Rated Differential Pressure (psig) | 250 | 250 | 250 |
| No. / Corner | 4 | 4 | 4 |
| Standard Lift (in) | 0.085 | 0.085 | 0.085 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 6750 | 6750 | 6750 |
| Piston Rod & Crosshead Nut (lbs) | 99.4 | 98.9 | 98.4 |
| Piston Assembly (lbs) | 300.0 | 277.5 | 257.3 |
| Total Reciprocating (lbs) | 399.4 | 376.4 | 355.6 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 7.98 | 7.98 | 7.98 |
| - Length (in) | 12.13 | 12.13 | 12.13 |
| - Volume (cu. in.) | 606.8 | 606.8 | 606.8 |
| - Clearance % Adder OE | 22.9 | 19.0 | 16.3 |
| VVCP Option | | | |
| - Piston Diameter (in) | 14.00 | 14.00 | 14.00 |
| - Length (stroke) (in) | 5.00 | 5.00 | 5.00 |
| - Volume (cu. in.) | 769.7 | 769.7 | 769.7 |
| - Clearance % Adder OE | 29.0 | 24.2 | 20.7 |
| CBC Flange Size (in) / Rating (lbs) | 10.0 / 150 | 10.0 / 150 | 10.0 / 150 |
| Suction / Discharge Flange Size (in) / Rating (lbs) | SPECIAL | SPECIAL | SPECIAL |

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Cylinder Specifications: 26.50 HOSS Standard Cylinder – HH81

| General | 5HOSS | 6HOSS | 7HOSS | | | |
|---|--------------------------|-----------|-----------|-----------|-----------|-----------|
| Cylinder Pattern | | G5121D | | | | |
| Bore Size (in) | 26.50 | 26.50 | 26.50 | | | |
| Rod Size (in) | 2.88 | 2.88 | 2.88 | | | |
| Stroke (in) | 5.00 | 6.00 | 7.00 | | | |
| Rated Speed (RPM) | 1500 | 1200 | 1000 | | | |
| Maximum Unloaded Speed (RPM) | 1287 | 1182 | 1000 | | | |
| | | | | | | |
| Cylinder | | | | | | |
| Rated Discharge Pressure (psig) | 255 | 255 | 255 | | | |
| Maximum Allowable Working Pressure (psig) | 280 | 280 | 280 | | | |
| Hydrostatic Test Pressure (psig) | 420 | 420 | 420 | | | |
| Water Jacket Pressure (psig) | 75 | 75 | 75 | | | |
| Water Jacket Test Pressure (psig) | 115 | 115 | 115 | | | |
| Maximum Differential Pressure (psig) | 156 | 156 | 156 | | | |
| | | | | | | |
| | OE | FE | OE | FE | OE | FE |
| Clearance (%) | 24.2 | 13.9 | 20.2 | 11.6 | 17.3 | 9.9 |
| Swept Volume (cu. in.) | 2757.7 | 2725.3 | 3309.3 | 3270.3 | 3860.8 | 3815.4 |
| Piston Displacement (cfm) at Rated RPM | 2393.9 | 2365.7 | 2298.1 | 2271.1 | 2234.3 | 2208.0 |
| | | | | | | |
| Piston | | | | | | |
| Type | 1 Piece, Hollow | | | | | |
| | | | | | | |
| Piston Rings | | | | | | |
| Type | Single-Piece, Combo Type | | | | | |
| Number | 3 | | | | | |
| | | | | | | |
| Rod Packing | | | | | | |
| Design Pressure (psi) | 999 | | | | | |
| No. of Lube Points | 1 | | | | | |
| No. of Vent Ports | 1 | | | | | |
| No. of Ring Sets | 5 | | | | | |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|--------------|--------------|--------------|
| Size & Type | HH81 | HH81 | HH81 |
| Rated Differential Pressure (psig) | 250 | 250 | 250 |
| No. / Corner | 4 | 4 | 4 |
| Standard Lift (in) | 0.085 | 0.085 | 0.085 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 6750 | 6750 | 6750 |
| Piston Rod & Crosshead Nut (lbs) | 99.4 | 98.9 | 98.4 |
| Piston Assembly (lbs) | 309.2 | 290.1 | 266.5 |
| Total Reciprocating (lbs) | 408.6 | 388.9 | 364.8 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 7.98 | 7.98 | 7.98 |
| - Length (in) | 12.13 | 12.13 | 12.13 |
| - Volume (cu. in.) | 606.8 | 606.8 | 606.8 |
| - Clearance % Adder OE | 22.0 | 18.3 | 15.7 |
| VVCP Option | | | |
| - Piston Diameter (in) | 14.00 | 14.00 | 14.00 |
| - Length (stroke) (in) | 5.00 | 5.00 | 5.00 |
| - Volume (cu. in.) | 769.7 | 769.7 | 769.7 |
| - Clearance % Adder OE | 27.9 | 23.3 | 19.9 |
| CBC Flange Size (in) / Rating (lbs) | 10.0 / 150 | 10.0 / 150 | 10.0 / 150 |
| Suction / Discharge Flange Size (in) / Rating (lbs) | SPECIAL | SPECIAL | SPECIAL |

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Cylinder Specifications: 28.00 HOSS Standard Cylinder

General

| | 5HOSS | 6HOSS | 7HOSS |
|------------------------------|-------|----------|-------|
| Cylinder Pattern | | HIHM2801 | |
| Bore Size (in) | 28.00 | 28.00 | 28.00 |
| Rod Size (in) | 2.88 | 2.88 | 2.88 |
| Stroke (in) | 5.00 | 6.00 | 7.00 |
| Rated Speed (RPM) | 1500 | 1200 | 1000 |
| Maximum Unloaded Speed (RPM) | | | |

Cylinder

| | | | |
|---|-----|-----|-----|
| Rated Discharge Pressure (psig) | 160 | 160 | 160 |
| Maximum Allowable Working Pressure (psig) | 185 | 185 | 185 |
| Hydrostatic Test Pressure (psig) | 280 | 280 | 280 |
| Water Jacket Pressure (psig) | 75 | 75 | 75 |
| Water Jacket Test Pressure (psig) | 115 | 115 | 115 |
| Maximum Differential Pressure (psig) | 121 | 121 | 121 |

| | OE | FE | OE | FE | OE | FE |
|--|--------|--------|--------|--------|--------|--------|
| Clearance (%) | 21.3 | 14.4 | 17.7 | 12.0 | 15.2 | 10.3 |
| Swept Volume (cu. in.) | 3078.8 | 3046.3 | 3394.5 | 3655.6 | 4310.3 | 4264.8 |
| Piston Displacement (cfm) at Rated RPM | 2309.4 | 2474.5 | 2565.6 | 2538.6 | 2494.4 | 2468.1 |

Piston

| | |
|------|-----------------|
| Type | 1 Piece, Hollow |
|------|-----------------|

Piston Rings

| | |
|--------|-------------------------|
| Type | Multi-Piece, Combo Type |
| Number | 3 |

Rod Packing

| | |
|-----------------------|-----|
| Design Pressure (psi) | 999 |
| No. of Lube Points | 1 |
| No. of Vent Ports | 1 |
| No. of Ring Sets | 5 |

| Valving | 5HOSS | 6HOSS | 7HOSS |
|---|--------------|--------------|--------------|
| Size & Type | HH81 | HH81 | HH81 |
| Rated Differential Pressure (psig) | 250 | 250 | 250 |
| No. / Corner | 4 | 4 | 4 |
| Standard Lift (in) | 0.085 | 0.085 | 0.085 |
| Weights of Major Components | | | |
| Cylinder (lbs) | 2950 | 2950 | 2950 |
| Piston Rod & Crosshead Nut (lbs) | 91 | 95 | 95 |
| Piston Assembly (lbs) | 251 | 318 | 293 |
| Total Reciprocating (lbs) | 385 | 413 | 388 |
| Miscellaneous | | | |
| CBC Plug | | | |
| - Diameter (in) | 7.98 | 7.98 | 7.98 |
| - Length (in) | 8.0 | 8.0 | 8.0 |
| - Volume (cu. in.) | 609.7 | 609.7 | 609.7 |
| - Clearance % Adder OE | 19.8 | 16.5 | 14.2 |
| VVCP Option | | | |
| - Piston Diameter (in) | 14.25 | 14.25 | 14.25 |
| - Length (stroke) (in) | 10.00 | 10.00 | 10.00 |
| - Volume (cu. in.) | 1594.9 | 1594.9 | 769.7 |
| - Clearance % Adder OE | 51.8 | 43.2 | 37.0 |
| CBC Flange Size (in) / Rating (lbs) | SPECIAL | SPECIAL | SPECIAL |
| Suction / Discharge Flange Size (in) / Rating (lbs) | SPECIAL | SPECIAL | SPECIAL |

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