

HARDI PUMP 463



General specifications

- High capacity six diaphragm positive displacement radial pump with base plate.
- Self-priming.
- Can be run dry.
- Can rotate clockwise or anticlockwise.
- One grease point for lubrication.
- Dry sump to simplify maintenance.
- No special tools needed for maintenance.
- Polyurethane diaphragms and seals.
- Cast iron crankcase and covers.
- Stainless steel bolts and plates for diaphragms.
- 2" suction port, 1 1/4" pressure port.
- Hydraulic drive kit available.

463/5.5 (Ref. no. 821584)

- 21-splined 1 3/8" through shaft, for tractor use.
- Normal operating revolutions, 1000 r/min.
- Maximum pressure, 15 bar / 220 PSI.
- Maximum vacuum, 0.40 bar / 5.9 PSI.
- Weight, 66.5 kg / 147 lb.

463/5.5 (Ref. no. 821585)

- 21-splined 1 3/8" shaft, for tractor use.
- Normal operating revolutions, 1000 r/min.
- Maximum pressure, 15 bar / 220 PSI.
- Maximum vacuum, 0.40 bar / 5.9 PSI.
- Weight, 67.0 kg / 148 lb.

463/10.0 (Ref. no. 821586)

- 6-splined 1 3/8" shaft, for tractor use.
- Normal operating revolutions, 540 r/min.
- Maximum pressure, 15 bar / 220 PSI.
- Maximum vacuum, 0.58 bar / 8.5 PSI.
- Weight, 66.5 kg / 147 lb.

463/10.0 (Ref. no. 821587)

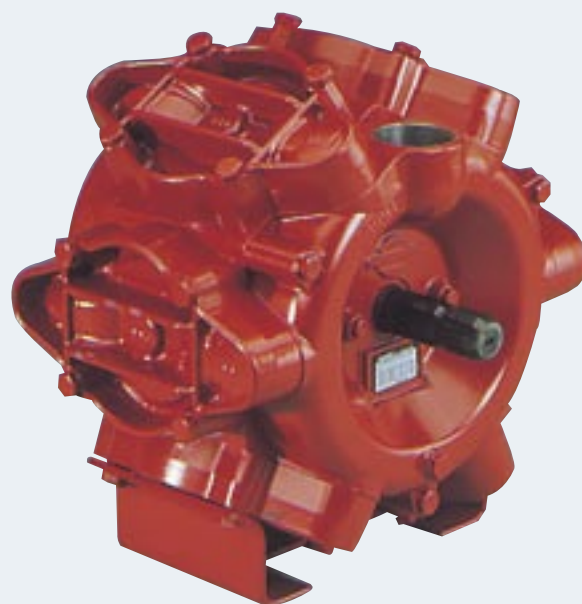
- 6-splined 1 3/8" through shaft, for tractor use.
- Normal operating revolutions, 540 r/min.
- Maximum pressure, 15 bar / 220 PSI.
- Maximum vacuum, 0.58 bar / 8.5 PSI.
- Weight, 66.9 kg / 148 lb.

463/12.0 (Ref. no. 821595)

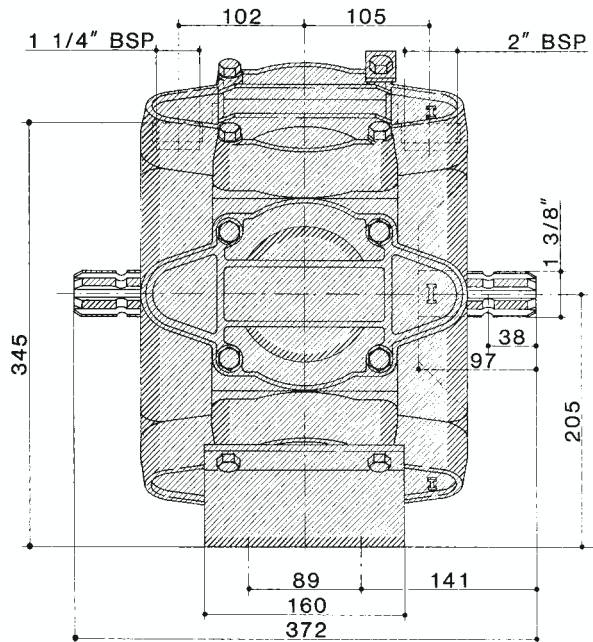
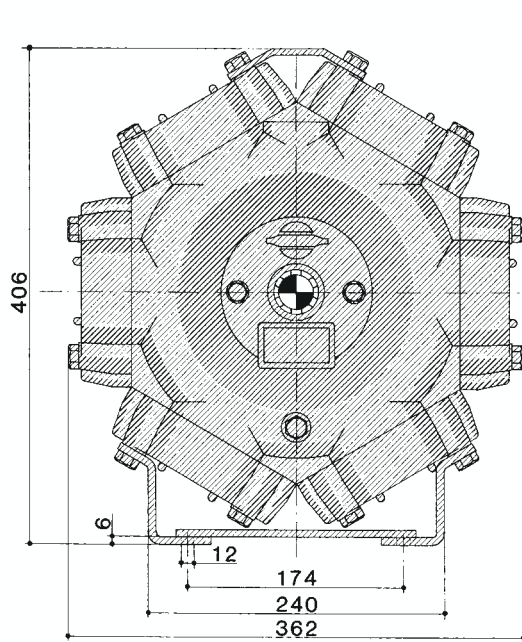
- 6-splined 1 3/8" shaft, for tractor use.
- Normal operating revolutions, 540 r/min.
- Maximum pressure, 15 bar / 220 PSI.
- Maximum vacuum, 0.58 bar / 8.5 PSI.
- Weight, 66.7 kg / 147 lb.



463 with hydraulic drive



463 with splined shaft



mm to in = mm x 0.0394

| | r/min | 300 | | 400 | | 500 | | 540 | | 600 | | 700 | | 800 | | 900 | | 1000 | | 1100 | | 1200 | | |
|-----------------|-------|------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|
| | | bar | l/min | kW | l/min | kW | l/min | kW | | | l/min | kW | l/min | kW | l/min | kW | l/min | kW | l/min | kW | l/min | kW | l/min | kW |
| 463/5.5 | 0 | 89 | 0.9 | 119 | 1.2 | 148 | 1.6 | | | 178 | 1.9 | 206 | 2.2 | 233 | 2.5 | 273 | 2.8 | 305 | 3.2 | 325 | 3.5 | 334 | 3.8 | |
| | 2 | 84 | 0.0 | 113 | 1.3 | 140 | 1.6 | | | 168 | 1.0 | 197 | 2.3 | 222 | 2.6 | 252 | 3.0 | 278 | 3.5 | 296 | 3.9 | 298 | 4.1 | |
| | 4 | 82 | 1.0 | 108 | 1.5 | 137 | 1.9 | | | 162 | 2.3 | 190 | 2.9 | 216 | 3.3 | 244 | 3.9 | 273 | 4.5 | 289 | 4.9 | 303 | 5.6 | |
| | 6 | 78 | 1.3 | 105 | 1.8 | 131 | 2.4 | | | 158 | 2.9 | 185 | 3.5 | 211 | 4.3 | 239 | 5.0 | 269 | 5.5 | 286 | 5.8 | 298 | 6.5 | |
| | 10 | 74 | 2.0 | 100 | 2.6 | 126 | 3.2 | | | 151 | 4.0 | 178 | 4.7 | 202 | 5.3 | 229 | 6.3 | 257 | 7.3 | 274 | 8.2 | 291 | 8.7 | |
| | 15 | 70 | 2.5 | 9.5 | 3.3 | 120 | 4.2 | | | 145 | 5.2 | 171 | 6.1 | 195 | 7.0 | 219 | 8.1 | 246 | 9.1 | 264 | 10.3 | 280 | 11.1 | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | PSI | gpm | Hp | gpm | Hp | gpm | Hp | | | gpm | Hp | gpm | Hp | gpm | Hp | gpm | Hp | gpm | Hp | gpm | Hp | gpm | Hp |
| | | 0 | 23.5 | 1.3 | 31.4 | 1.7 | 39.1 | 2.1 | | | 46.0 | 2.5 | 54.4 | 2.9 | 61.5 | 3.4 | 72.1 | 3.8 | 80.5 | 4.3 | 85.8 | 4.6 | 88.2 | 5.1 |
| | | 29 | 22.2 | 1.3 | 29.8 | 1.8 | 36.0 | 2.1 | | | 44.4 | 2.6 | 52.0 | 3.1 | 58.6 | 3.5 | 66.5 | 4.0 | 73.4 | 4.7 | 78.1 | 5.2 | 78.7 | 5.5 |
| | 58 | 21.6 | 1.3 | 28.5 | 2.0 | 36.2 | 2.5 | | | 42.8 | 3.1 | 50.2 | 3.9 | 57.0 | 4.4 | 64.4 | 5.2 | 72.1 | 6.0 | 76.3 | 6.6 | 79.0 | 7.5 | |
| | 88 | 20.6 | 1.7 | 27.7 | 2.4 | 34.6 | 3.2 | | | 41.7 | 3.9 | 48.8 | 4.7 | 55.7 | 5.8 | 63.1 | 6.7 | 71.0 | 7.4 | 75.5 | 7.8 | 78.7 | 8.7 | |
| | 147 | 19.5 | 2.7 | 26.4 | 3.5 | 33.3 | 4.3 | | | 39.9 | 5.4 | 46.0 | 6.3 | 53.3 | 7.1 | 60.5 | 8.4 | 67.8 | 9.8 | 72.3 | 10.0 | 76.8 | 11.7 | |
| | 220 | 18.5 | 3.4 | 25.1 | 4.4 | 31.7 | 5.6 | | | 38.3 | 6.0 | 45.1 | 8.2 | 51.5 | 9.4 | 57.8 | 10.9 | 64.9 | 12.2 | 69.7 | 13.8 | 73.9 | 14.9 | |
| 463/10.0 | 0 | 156 | 1.0 | 207 | 1.3 | 257 | 1.6 | 276 | 1.8 | 305 | 2.1 | 352 | 2.8 | | | | | | | | | | | |
| | 2 | 152 | 1.2 | 202 | 1.7 | 252 | 2.3 | 270 | 2.6 | 299 | 3.0 | 343 | 3.8 | | | | | | | | | | | |
| | 4 | 149 | 1.7 | 198 | 2.5 | 246 | 3.1 | 265 | 3.5 | 295 | 3.9 | 337 | 5.2 | | | | | | | | | | | |
| | 6 | 146 | 2.2 | 195 | 3.0 | 242 | 3.9 | 263 | 4.3 | 289 | 4.9 | 335 | 6.1 | | | | | | | | | | | |
| | 10 | 142 | 3.1 | 192 | 4.3 | 236 | 5.6 | 256 | 5.9 | 282 | 6.7 | 326 | 8.1 | | | | | | | | | | | |
| | 15 | 136 | 3.9 | 184 | 5.3 | 230 | 6.6 | 248 | 7.0 | 276 | 7.9 | 320 | 9.3 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | PSI | gpm | Hp | gpm | Hp | gpm | Hp | gpm | Hp | gpm | Hp | gpm | Hp | | | | | | | | | | |
| | | 0 | 41.2 | 1.3 | 54.6 | 1.7 | 67.8 | 2.2 | 72.9 | 2.4 | 80.5 | 2.8 | 92.9 | 3.8 | | | | | | | | | | |
| | | 29 | 40.1 | 1.6 | 53.3 | 2.3 | 66.5 | 3.1 | 71.3 | 3.5 | 78.9 | 4.1 | 90.6 | 5.1 | | | | | | | | | | |
| | 58 | 39.3 | 2.3 | 52.3 | 3.3 | 64.9 | 4.1 | 70.0 | 4.6 | 77.9 | 5.2 | 89.0 | 6.9 | | | | | | | | | | | |
| | 88 | 38.5 | 2.9 | 51.5 | 4.0 | 63.9 | 5.3 | 69.4 | 5.8 | 76.3 | 6.6 | 88.4 | 8.1 | | | | | | | | | | | |
| | 147 | 37.5 | 4.1 | 50.7 | 5.7 | 62.3 | 7.5 | 67.6 | 8.0 | 74.4 | 9.0 | 86.1 | 10.9 | | | | | | | | | | | |
| | 220 | 35.9 | 5.3 | 48.6 | 7.1 | 60.7 | 8.9 | 65.5 | 9.4 | 72.9 | 10.6 | 84.5 | 12.4 | | | | | | | | | | | |
| 463/12.0 | 0 | 182 | 1.0 | 240 | 1.4 | 298 | 1.9 | 322 | 2.2 | 358 | 2.7 | 390 | 3.5 | | | | | | | | | | | |
| | 2 | 178 | 1.4 | 237 | 2.0 | 292 | 2.7 | 317 | 3.1 | 350 | 3.6 | 386 | 4.5 | | | | | | | | | | | |
| | 4 | 175 | 1.8 | 233 | 2.7 | 288 | 3.9 | 314 | 4.2 | 345 | 4.9 | 382 | 5.8 | | | | | | | | | | | |
| | 6 | 172 | 2.6 | 230 | 3.5 | 284 | 4.6 | 308 | 5.1 | 340 | 5.9 | 378 | 7.2 | | | | | | | | | | | |
| | 10 | 168 | 3.5 | 223 | 5.0 | 280 | 6.4 | 302 | 7.1 | 333 | 7.8 | 372 | 9.1 | | | | | | | | | | | |
| | 15 | 163 | 4.1 | 218 | 5.5 | 273 | 6.8 | 295 | 7.4 | 326 | 8.2 | 364 | 9.7 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | PSI | gpm | Hp | gpm | Hp | gpm | Hp | gpm | Hp | gpm | Hp | gpm | Hp | | | | | | | | | | |
| | | 0 | 48.0 | 1.3 | 63.4 | 1.8 | 78.7 | 2.6 | 85.0 | 3.0 | 94.5 | 3.6 | 103.0 | 4.7 | | | | | | | | | | |
| | | 29 | 47.0 | 1.9 | 62.6 | 2.7 | 77.1 | 3.6 | 83.7 | 4.2 | 92.4 | 4.8 | 101.9 | 6.0 | | | | | | | | | | |
| | 58 | 46.2 | 2.5 | 61.5 | 3.7 | 76.0 | 5.2 | 82.9 | 5.6 | 91.1 | 6.6 | 100.8 | 7.8 | | | | | | | | | | | |
| | 88 | 45.4 | 3.4 | 60.7 | 4.7 | 75.0 | 6.2 | 81.3 | 6.9 | 89.8 | 7.9 | 99.8 | 9.6 | | | | | | | | | | | |
| | 147 | 44.4 | 4.6 | 58.9 | 6.7 | 73.9 | 8.6 | 79.7 | 9.5 | 87.9 | 10.4 | 98.2 | 12.2 | | | | | | | | | | | |
| | 220 | 43.0 | 5.4 | 57.6 | 7.4 | 72.1 | 9.1 | 77.9 | 9.9 | 86.1 | 10.9 | 96.1 | 13.0 | | | | | | | | | | | |

Model/stroke Pump model and pump stroke in millimetre.
r/min Maximum revolutions per minute is indicated by the highest figure.
Bar / PSI Maximum pressure is indicated by the highest figure.
kW / Hp Power consumption in kilowatt and horsepower.
l/min / gpm Capacity in litres and US gallons per minute at zero suction lift.

HARDI INTERNATIONAL A/S reserves the right to change the specifications without notice.

HARDI INTERNATIONAL A/S
 HELGESHØJ ALLE 38 • DK 2630 TAASTRUP • DENMARK
 E-Mail: hardi@hardi-international.com • www.hardi-international.com

GB.890601.05.99