

Single Pump Container 600 - 480



Figure with additional trailer

Profile

The KOLLER Single Container is designed to pump water, additives, acids and other liquids.

The Unit is constructed to operate at a working pressure of 5,000 psi / approx. 345 bars, and is manufactured according to the strict quality guidelines of KOLLER.

| Dimensions with extensions | | |
|----------------------------|-----------|------------|
| Length | 7,040 mm | 23.1 ft |
| Width | 2,438 mm | 8 ft |
| Height | 2,800 mm | 9.19 ft |
| Weight | 12,000 kg | 26,455 lbs |

- Caterpillar CX31 transmission
- Caterpillar C13 engine, 354 kW / 480 HP
- Triplex Plunger Pump: MSI TI 600 with 4.5" Plunger
- Booster pump hydraulically driven
- Container 20 ft
- Mobile operator panel (built-in operated or wired)
- Engine room sound-proofed
- Digital pressure display and pump switch-off at a specific user selected excess pressure
- Battery charger with external 230 V connection
- Pre-heating system for 230 V motor
- Data logger for pressure
- Temperature -20°C | +40°C
- Possible plunger diameters 2, 2.5, 3, 3.5" or 4, 4.5" depending the fluid end

Single Pump Container 600 - 480



Flow rate l/min MSI TI600 GD-CX31-ratio 4.6:1 4"plunger

| engine rpm | 4.4 1. gear | | 2.33 2. gear | | 1.53 3. gear | | 1 4. gear | |
|------------|---------------|--------------|----------------|--------------|----------------|--------------|---------------|--------------|
| | flow/min in l | pressure bar | flow/min in l | pressure bar | flow/min in l | pressure bar | flow/min in l | pressure bar |
| 1,200 | 220 | 468 | 415 | 248 | 632 | 163 | 967 | 106 |
| 1,300 | 238 | 497 | 450 | 263 | 685 | 173 | 1,048 | 113 |
| 1,400 | 256 | 516 | 484 | 273 | 737 | 180 | 1,128 | 117 |
| 1,600 | 293 | 497 | 553 | 263 | 843 | 173 | 1,289 | 113 |
| 1,800 | 330 | 476 | 622 | 252 | 948 | 166 | 1,450 | 108 |
| 2,000 | 366 | 428 | 691 | 227 | 1,053 | 149 | 1,612 | 97 |
| 2,070 | 380 | 414 | 716 | 219 | 1,090 | 144 | 1,668 | 94 |

Flow rate l/min MSI TI600 GD-CX31-ratio 4.6:1 4.5"plunger

| engine rpm | 4.4 1. gear | | 2.33 2. gear | | 1.53 3. gear | | 1 4. gear | |
|------------|---------------|--------------|----------------|--------------|----------------|--------------|---------------|--------------|
| | flow/min in l | pressure bar | flow/min in l | pressure bar | flow/min in l | pressure bar | flow/min in l | pressure bar |
| 1,200 | 278 | 370 | 525 | 196 | 800 | 129 | 1,224 | 84 |
| 1,300 | 301 | 393 | 569 | 208 | 867 | 137 | 1,326 | 189 |
| 1,400 | 325 | 407 | 613 | 216 | 933 | 142 | 1,428 | 93 |
| 1,600 | 371 | 393 | 700 | 208 | 1,066 | 137 | 1,632 | 89 |
| 1,800 | 417 | 376 | 788 | 199 | 1,200 | 131 | 1,836 | 85 |
| 2,000 | 464 | 339 | 875 | 179 | 1,333 | 118 | 2,040 | 77 |
| 2,070 | 480 | 327 | 906 | 173 | 1,380 | 114 | 2,111 | 74 |

At 2,070 r / min, the respective maximum input speed of the MSI-pump reaches according to data sheet

Caterpillar C13 354 kW

| | | | | | | | | | |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Power (kW) | 251 | 280 | 307 | 320 | 332 | 344 | 354 | 354 | 354 |
| Speed (rpm) | 1,200 | 1,300 | 1,400 | 1,500 | 1,600 | 1,700 | 1,800 | 1,900 | 2,000 |
| Torque Nm | 1,998 | 2,062 | 2,095 | 2,041 | 1,987 | 1,934 | 1,880 | 1,781 | 1,692 |

