

▼ Shown from left to right: RACH1504, RACH15010, RACH206, RACH306



The Lightweight Solution for Tensioning and Testing



Saddles

All RACH-cylinders are equipped with bolt-on hollow removable saddles of hardened steel.



Lightweight Hand Pumps

The Enerpac composite lightweight hand pumps P392 or P802 make the optimal lightweight set.

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- Hollow plunger design allows for both pull and push forces
- Composite bearings increase cylinder life and sideload resistance
- Hard-Coat finish on all surfaces resists damage and extends cylinder life
- Floating center tube increases seal and product life
- Handles standard on all models
- Steel base plate and saddle for protection against load-induced damage
- Integral stop ring prevents plunger over-travel and is capable of withstanding the full cylinder capacity
- High strength return spring for rapid cylinder retraction
- CR400 coupler and dustcap included on all models
- All cylinders meet ASME B-30.1 standards.



◀ An RACH306 powered by a P392 hand pump used to extract corroded carriage pins of refuse collection vehicles.

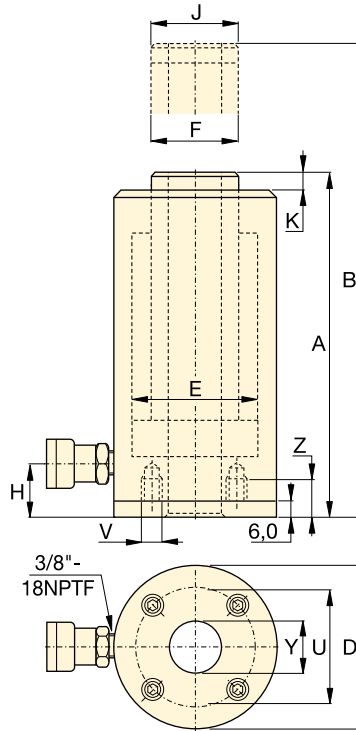
| Cylinder Capacity @ 700 bar ton (kN) | Stroke (mm) | Model Number | Cylinder Effective Area (cm ²) |
|---|----------------|--------------|---|
| 20 (229) | 50 | RACH202 | 32,7 |
| | 100 | RACH204 | 32,7 |
| | 150 | RACH206 | 32,7 |
| | 200 | RACH208 | 32,7 |
| | 250 | RACH2010 | 32,7 |
| 30 (358) | 50 | RACH302 | 51,1 |
| | 100 | RACH304 | 51,1 |
| | 150 | RACH306 | 51,1 |
| | 200 | RACH308 | 51,1 |
| | 250 | RACH3010 | 51,1 |
| 60 (596) | 50 | RACH602 | 84,7 |
| | 100 | RACH604 | 84,7 |
| | 150 | RACH606 | 84,7 |
| | 200 | RACH608 | 84,7 |
| | 250 | RACH6010 | 84,7 |
| 100 (1157) | 50 | RACH1002 | 164,6 |
| | 100 | RACH1004 | 164,6 |
| | 150 | RACH1006 | 164,6 |
| | 200 | RACH1008 | 164,6 |
| | 250 | RACH10010 | 164,6 |
| 150 (1588) | 50 | RACH1502 | 225,8 |
| | 100 | RACH1504 | 225,8 |
| | 150 | RACH1506 | 225,8 |
| | 200 | RACH1508 | 225,8 |
| | 250 | RACH15010 | 225,8 |

Single-Acting, Aluminium Hollow Plunger Cylinders

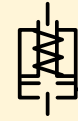
Steel Base Plate Mounting Holes

| Cylinder Model / Capacity ton | Bolt Circle U (mm) | Thread V (mm) | Thread Depth ¹⁾ Z (mm) |
|-------------------------------|--------------------|---------------|-----------------------------------|
| RACH20 | 80 | M6 | 12 |
| RACH30 | 110 | M6 | 12 |
| RACH60 | 160 | M6 | 12 |
| RACH100 | 220 | M10 | 12 |
| RACH150 | 245 | M10 | 12 |

¹⁾ Including Base Plate Height of 6 mm and four (4) base plate bolts M6.



RACH Series



Capacity:

20 - 150 ton

Stroke:

50 - 250 mm

Center Hole Diameter:

27 - 79 mm

Maximum Operating Pressure:

700 bar

| Oil Capacity (cm ³) | Collapsed Height A (mm) | Extended Height B (mm) | Outside Diameter D (mm) | Cylinder Bore Diameter E (mm) | Plunger Diameter F (mm) | Bottom to Advance Port H (mm) | Saddle Diameter J (mm) | Saddle Protrusion from Plunger K (mm) | Center Hole Diameter Y (mm) | Weight (kg) | Model Number |
|---------------------------------|-------------------------|------------------------|-------------------------|-------------------------------|-------------------------|-------------------------------|------------------------|---------------------------------------|-----------------------------|-------------|--------------|
| 164 | 188 | 238 | 100 | 75 | 55 | 29 | 55 | 10 | 27 | 5,2 | RACH202 |
| 327 | 251 | 351 | 100 | 75 | 55 | 29 | 55 | 10 | 27 | 6,1 | RACH204 |
| 491 | 315 | 465 | 100 | 75 | 55 | 29 | 55 | 10 | 27 | 7,1 | RACH206 |
| 654 | 378 | 578 | 100 | 75 | 55 | 29 | 55 | 10 | 27 | 8,0 | RACH208 |
| 818 | 442 | 692 | 100 | 75 | 55 | 29 | 55 | 10 | 27 | 9,0 | RACH2010 |
| 256 | 208 | 258 | 130 | 95 | 70 | 29 | 70 | 10 | 34 | 8,0 | RACH302 |
| 511 | 267 | 367 | 130 | 95 | 70 | 29 | 70 | 10 | 34 | 9,5 | RACH304 |
| 766 | 333 | 483 | 130 | 95 | 70 | 29 | 70 | 10 | 34 | 11,2 | RACH306 |
| 1022 | 395 | 595 | 130 | 95 | 70 | 29 | 70 | 10 | 34 | 12,9 | RACH308 |
| 1277 | 458 | 708 | 130 | 95 | 70 | 29 | 70 | 10 | 34 | 14,5 | RACH3010 |
| 423 | 251 | 301 | 180 | 130 | 100 | 61 | 100 | 12 | 54 | 16,2 | RACH602 |
| 847 | 315 | 415 | 180 | 130 | 100 | 61 | 100 | 12 | 54 | 19,5 | RACH604 |
| 1270 | 380 | 530 | 180 | 130 | 100 | 61 | 100 | 12 | 54 | 25,6 | RACH606 |
| 1694 | 445 | 645 | 180 | 130 | 100 | 61 | 100 | 12 | 54 | 26,0 | RACH608 |
| 2117 | 510 | 760 | 180 | 130 | 100 | 61 | 100 | 12 | 54 | 29,6 | RACH6010 |
| 823 | 258 | 308 | 250 | 185 | 145 | 61 | 145 | 14 | 79 | 33,8 | RACH1002 |
| 1646 | 325 | 425 | 250 | 185 | 145 | 61 | 145 | 14 | 79 | 39,8 | RACH1004 |
| 2487 | 391 | 541 | 250 | 185 | 145 | 61 | 145 | 14 | 79 | 46,2 | RACH1006 |
| 3291 | 459 | 659 | 250 | 185 | 145 | 61 | 145 | 14 | 79 | 52,2 | RACH1008 |
| 4114 | 527 | 777 | 250 | 185 | 145 | 61 | 145 | 14 | 79 | 58,8 | RACH10010 |
| 1129 | 280 | 330 | 275 | 205 | 150 | 61 | 145 | 14 | 79 | 48,9 | RACH1502 |
| 2258 | 360 | 460 | 275 | 205 | 150 | 61 | 145 | 14 | 79 | 55,7 | RACH1504 |
| 3387 | 430 | 580 | 275 | 205 | 150 | 61 | 145 | 14 | 79 | 63,0 | RACH1506 |
| 4517 | 500 | 700 | 275 | 205 | 150 | 61 | 145 | 14 | 79 | 70,1 | RACH1508 |
| 5646 | 570 | 820 | 275 | 205 | 150 | 61 | 145 | 14 | 79 | 77,2 | RACH15010 |