

# Hochdruck-Plungerpumpen

High Pressure Plunger Pumps

Компания ПромХимТех-  
официальный дистрибьютор  
плунжерных насосов  
www.promhimtech.ru  
Тел. 8 800 250-01-54  
e-mail: zakaz@promhimtech.ru



| Typ<br>Type     | Q max. l/min<br>@ (p bar) | Q l/min<br>@ (p max.bar) | p max.<br>kW | Untersetzung<br>Gear ratio                        | Schmierung<br>Lubrication  | Gewicht kg<br>Weight kg |
|-----------------|---------------------------|--------------------------|--------------|---|--|-------------------------|
| K 100           | 6,8 (1200)                | 4 (2000)                 | 15           | Keilriementrieb<br>V-Belt drive                   | Tauchschnierung / splash lubrication   | 25                      |
| K 4500 *        | 232 (100)                 | 11 (2100)                | 45           | Keilriementrieb<br>V-Belt drive                   | Tauchschnierung / splash lubrication   | 195                     |
| K 8000 - 3G *   | 283 (135)                 | 13 (2950)                | 75           | 2,75 ; 3,22 ; 3,68                                | Tauchschnierung / splash lubrication   | 250                     |
| K 9000 - 3G *   | 283 (150)                 | 13 (3100)                | 90           | 2,75 ; 3,22 ; 3,68                                | Zwangsschnierung / force-fed lubrication<br>bei 90 kW mit Ölkühlung<br>at 90 kW with oil cooling                 | 255                     |
| K 10000 - 3G *  | 473 (180)                 | 16 (3500)                | 160          | 3,00 ; 3,14 ; 3,39 ; 3,76 ;<br>4,13 ; 4,50 ; 4,93 | Zwangsschnierung / force-fed lubrication<br>ab 130 kW mit Ölkühlung<br>from 130 kW with oil cooling              | 440                     |
| K 11000 - 3G *  | 454 (125)                 | 21 (2760)                | 110          | 3,00 ; 3,14 ; 3,39 ; 3,76 ;<br>4,13 ; 4,50 ; 4,93 | Tauchschnierung / splash lubrication   | 425                     |
| K 13000 - 3G *  | 496 (135)                 | 23 (3000)                | 130          | 3,00 ; 3,14 ; 3,39 ; 3,76 ;<br>4,13 ; 4,50 ; 4,93 | Zwangsschnierung / force-fed lubrication<br>bei 130 kW mit Ölkühlung<br>at 130 kW with oil cooling               | 440                     |
| K 18000 - 3G *  | 522 (180)                 | 24 (3500)                | 180          | 3,00 ; 3,14 ; 3,39 ; 3,76 ;<br>4,13 ; 4,50 ; 4,93 | Zwangsschnierung / force-fed lubrication<br>ab 130 kW mit Ölkühlung<br>from 130 kW with oil cooling              | 440                     |
| K 20000 - 3G *  | 957 (105)                 | 34 (2800)                | 200          | 3,33 ; 3,50 ; 4,04 ; 4,62 ;<br>5,44               | Tauchschnierung / splash llubrication<br>ab 160 kW nur intermittierend<br>from 160 kW for intermittend duty only | 940                     |
| K 25000 - 3G *  | 1148 (115)                | 41 (3200)                | 250          | 3,33 ; 3,50 ; 4,04 ; 4,62 ;<br>5,44               | Zwangsschnierung / force-fed lubrication<br>ab 160 kW mit Ölkühlung<br>from 160 kW with oil cooling              | 965                     |
| K 35000 - 3G *  | 1310 (140)                | 47 (3500)                | 350          | 3,39 ; 4,05 ; 4,76 ; 5,25                         | Zwangsschnierung / force-fed lubrication<br>mit Ölkühlung / with oil cooling                                     | 1360                    |
| K 40000 - 3G *  | 1310 (155)                | 58 (3500)                | 400          | 3,39 ; 4,05 ; 4,76 ; 5,25                         | Zwangsschnierung / force-fed lubrication<br>mit Ölkühlung / with oil cooling                                     | 1360                    |
| K 50000 - 5G *  | 1913 (145)                | 69 (3500)                | 530          | 3,30 ; 3,95 ; 4,66 ; 5,63                         | Zwangsschnierung / force-fed lubrication<br>mit Ölkühlung / with oil cooling                                     | 2200                    |
| K 80000 - 5G *  | 3482 (125)                | 117 (3500)               | 800          | 3,40 ; 4,10 ; 4,69 ; 5,19<br>6,03                 | Zwangsschnierung / force-fed lubrication<br>mit Ölkühlung / with oil cooling                                     | 3650                    |
| K 120000 - 5G * | 3939 (155)                | 158 (3300)               | 1200         | nur extern<br>only external                       | Zwangsschnierung / force-fed lubrication<br>mit Ölkühlung / with oil cooling                                     | 7500                    |

\* Für intermittierenden Betrieb (3h / Tag): +10% Druckerhöhung / For intermittent duty (3 h / day): +10% pressure increase

## KAMAT GmbH & Co. KG

Salinger Feld 10, 58454 Witten, Germany, Fon +49 (0) 23 02 / 89 03 - 0, Fax +49 (0) 23 02 / 80 19 17, info@KAMAT.de, www.KAMAT.de  
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| K4500 | Q max.<br>l/min | p max. bar @ kW |       |       |       | Kopftyp / Head type |   |    |
|-------|-----------------|-----------------|-------|-------|-------|---------------------|---|----|
|       |                 | 22 kW           | 30 kW | 37 kW | 45 kW | A                   | M | MC |
| 4512  | 11              | 1000            | 1400  | 1700  | 2100  | 1                   |   |    |
| 4514  | 15              | 750             | 1020  | 1260  | 1530  | 1                   |   |    |
| 4516  | 20              | 575             | 780   | 960   | 1170  | 1                   |   |    |
| 4518  | 25              | 485             | 665   | 805   | 940   | 1                   |   | H  |
| 4520  | 31              | 390             | 535   | 660   | 760   | 1                   |   | H  |
| 4522  | 37              | 330             | 450   | 555   | 630   | 1                   |   | H  |
| 4524  | 44              | 275             | 375   | 465   | 530   | 1                   |   | H  |
| 4526  | 52              | 235             | 320   | 395   | 450   | 1                   |   | H  |
| 4528  | 60              | 200             | 275   | 340   | 390   | 1                   |   | H  |
| 4530  | 69              | 175             | 230   | 285   | 340   | 1                   | 1 | H  |
| 4532  | 78              | 155             | 210   | 260   | 295   | 1                   | 1 | 1  |
| 4536  | 99              | 115             | 155   | 195   | 235   | 1                   | 1 | 1  |
| 4540  | 122             | 95              | 125   | 160   | 190   |                     | 1 | 1  |
| 4545  | 155             | 75              | 105   | 125   | 150   |                     |   | 1  |
| 4550  | 191             | 60              | 85    | 105   | 120   |                     |   | 1  |
| 4555  | 232             | 50              | 70    | 85    | 100   |                     |   | 1  |

n max. = 650 1/min ohne Untersetzung / without ratio  
API 674 = max.450 1/min Keilriementrieb / V-belt drive

| K13000<br>3G | Q max.<br>l/min | p max. bar @ kW |       |        |        | Kopftyp / Head type |   |    |
|--------------|-----------------|-----------------|-------|--------|--------|---------------------|---|----|
|              |                 | 75 kW           | 90 kW | 110 kW | 130 kW | A                   | M | MC |
| 13014        | 23              | 1720            | 2070  | 2540   | 3000   | 1                   |   |    |
| 13016        | 30              | 1320            | 1590  | 1940   | 2300   | 1                   |   |    |
| 13018        | 38              | 1035            | 1235  | 1660   | 1810   | 1                   |   |    |
| 13020        | 47              | 850             | 1010  | 1220   | 1430   | 2                   |   |    |
| 13022        | 57              | 715             | 845   | 1015   | 1180   | 2                   |   |    |
| 13024        | 68              | 600             | 720   | 860    | 995    | 2                   |   | H  |
| 13026        | 79              | 515             | 620   | 760    | 845    | 2                   |   | H  |
| 13028        | 92              | 445             | 530   | 655    | 730    | 2                   |   | H  |
| 13030        | 106             | 390             | 460   | 565    | 635    | 2                   |   | H  |
| 13032        | 120             | 340             | 410   | 500    | 560    | 2                   |   | H  |
| 13036        | 152             | 260             | 310   | 380    | 440    | 2                   | 1 | H  |
| 13040        | 188             | 205             | 245   | 300    | 355    | 1                   | 1 | 1  |
| 13045        | 238             | 160             | 195   | 235    | 280    |                     | 1 | 1  |
| 13050        | 294             | 130             | 155   | 190    | 225    |                     | 1 | 1  |
| 13055        | 355             | 110             | 130   | 160    | 185    |                     | 1 | 1  |
| 13060        | 423             | 95              | 110   | 135    | 155    |                     | 1 | 1  |
| 13065        | 496             | 80              | 95    | 115    | 135    |                     |   | 1  |

n max. = 475 1/min i = 3,00 ; 3,14 ; 3,39 ; 3,76 , 4,13 ; 4,50 ; 4,93  
API 674 = max.340 1/min

| K40000<br>3G | Q max.<br>l/min | p max. bar @ kW |        |        |        | Kopftyp / Head type |   |    |
|--------------|-----------------|-----------------|--------|--------|--------|---------------------|---|----|
|              |                 | 315 kW          | 330 kW | 350 kW | 400 kW | A                   | M | MC |
| 40020        | 58              | 2280            | 2870   | 3240   | 3500   | 1                   |   |    |
| 40022        | 70              | 2050            | 2380   | 2680   | 3000   | 1                   |   |    |
| 40024        | 83              | 1960            | 2000   | 2200   | 2500   | 1                   |   |    |
| 40026        | 98              | 1670            | 1750   | 1900   | 2000   | 1                   |   |    |
| 40028        | 114             | 1440            | 1510   | 1620   | 1820   | 1                   |   |    |
| 40030        | 131             | 1300            | 1350   | 1440   | 1500   | 1                   |   |    |
| 40032        | 149             | 1150            | 1200   | 1265   | 1400   | 1                   |   |    |
| 40036        | 188             | 905             | 950    | 1000   | 1100   | 1                   |   |    |
| 40040        | 232             | 755             | 780    | 810    | 900    | 1                   |   | H  |
| 40045        | 294             | 595             | 625    | 640    | 705    | 1                   |   | H  |
| 40050        | 363             | 455             | 480    | 505    | 560    | 1                   | 1 | H  |
| 40055        | 439             | 375             | 395    | 420    | 465    | 1                   | 1 | 1  |
| 40060        | 523             | 315             | 330    | 350    | 390    | 1                   | 1 | 1  |
| 40065        | 613             | 270             | 285    | 300    | 330    | 1                   | 1 | 1  |
| 40070        | 711             | 230             | 245    | 260    | 285    | 1                   | 1 | 1  |
| 40075        | 816             | 200             | 210    | 225    | 250    | 1                   | 1 | 1  |
| 40080        | 928             | 180             | 185    | 195    | 225    | 1                   | 1 | 1  |
| 40085        | 1049            | 160             | 165    | 175    | 195    | 1                   | 1 | 1  |
| 40090        | 1175            | 140             | 150    | 155    | 185    | 1                   | 1 | 1  |
| 40095        | 1310            | 125             | 130    | 140    | 155    | 1                   | 1 | 1  |

n max. = 440 1/min i = 3,39 ; 4,05 ; 4,76 ; 5,25  
API 674 = max.290 1/min

\* K 8000 - 3G max. 75 kW  
\*\* K 20000 - 3G max. 200 kW (n max. 375 1/min ; API 674 max. 320 1/min)  
= Ultra High Pressure UHP

| K9000*<br>3G | Q max.<br>l/min | p max. bar @ kW |       |       |       | Kopftyp / Head type |   |    |
|--------------|-----------------|-----------------|-------|-------|-------|---------------------|---|----|
|              |                 | 45 kW           | 55 kW | 75 kW | 90 kW | A                   | M | MC |
| 9012         | 13              | 1770            | 2160  | 2950  | 3100  | 1                   |   |    |
| 9014         | 18              | 1280            | 1590  | 2150  | 2300  | 1                   |   |    |
| 9016         | 24              | 980             | 1220  | 1660  | 1800  | 1                   |   |    |
| 9018         | 30              | 800             | 965   | 1300  | 1395  | 1                   |   |    |
| 9020         | 37              | 660             | 800   | 1065  | 1130  | 1                   |   |    |
| 9022         | 45              | 545             | 665   | 890   | 930   | 1                   |   | H  |
| 9024         | 54              | 460             | 555   | 755   | 785   | 1                   |   | H  |
| 9026         | 63              | 390             | 475   | 645   | 665   | 1                   |   | H  |
| 9028         | 73              | 335             | 410   | 555   | 575   | 1                   |   | H  |
| 9030         | 84              | 280             | 345   | 470   | 500   | 1                   | 1 | H  |
| 9032         | 96              | 245             | 300   | 410   | 440   | 1                   | 1 | 1  |
| 9036         | 121             | 190             | 235   | 320   | 345   | 1                   | 1 | 1  |
| 9040         | 150             | 155             | 190   | 255   | 280   |                     | 1 | 1  |
| 9045         | 190             | 120             | 150   | 200   | 220   |                     |   | 1  |
| 9050         | 234             | 100             | 120   | 165   | 180   |                     |   | 1  |
| 9055         | 283             | 80              | 100   | 135   | 150   |                     |   | 1  |

n max. = 530 1/min i = 2,75 ; 3,22 ; 3,68  
API 674 = max.400 1/min

| K18000<br>3G | Q max.<br>l/min | p max. bar @ kW |        |        |        | Kopftyp / Head type |   |    |
|--------------|-----------------|-----------------|--------|--------|--------|---------------------|---|----|
|              |                 | 110 kW          | 132 kW | 160 kW | 180 kW | A                   | M | MC |
| 18014        | 24              | 2400            | 2890   | 3500   | -----  | 1                   |   |    |
| 18016        | 32              | 1840            | 2210   | 2680   | 3010   | 1                   |   |    |
| 18018        | 40              | 1460            | 1740   | 2120   | 2360   | 1                   |   |    |
| 18020        | 49              | 1190            | 1420   | 1715   | 1910   | 1                   |   |    |
| 18022        | 60              | 970             | 1170   | 1420   | 1500   | 2                   |   |    |
| 18024        | 71              | 820             | 980    | 1190   | 1325   | 2                   |   |    |
| 18026        | 84              | 690             | 840    | 1020   | 1130   | 2                   |   |    |
| 18028        | 97              | 600             | 720    | 875    | 975    | 2                   |   | H  |
| 18030        | 111             | 525             | 630    | 760    | 850    | 2                   |   | H  |
| 18032        | 127             | 460             | 555    | 670    | 750    | 2                   |   | H  |
| 18036        | 160             | 365             | 435    | 530    | 590    | 2                   | 1 | H  |
| 18040        | 198             | 295             | 355    | 430    | 475    | 1                   | 1 | 1  |
| 18045        | 250             | 230             | 280    | 340    | 375    |                     | 1 | 1  |
| 18050        | 309             | 190             | 225    | 275    | 305    |                     | 1 | 1  |
| 18055        | 374             | 155             | 190    | 230    | 250    |                     | 1 | 1  |
| 18060        | 445             | 130             | 160    | 190    | 210    |                     | 1 | 1  |
| 18065        | 522             | 110             | 135    | 160    | 180    |                     |   | 1  |

n max. = 500 1/min i = 3,00 ; 3,14 ; 3,39 ; 3,76 , 4,13 ; 4,50 ; 4,93  
API 674 = max.320 1/min

| K50000<br>5G | Q max.<br>l/min | p max. bar @ kW |        |        |        | Kopftyp / Head type |   |    |
|--------------|-----------------|-----------------|--------|--------|--------|---------------------|---|----|
|              |                 | 315 kW          | 355 kW | 400 kW | 530 kW | A                   | M | MC |
| 50018        | 69              | 2430            | 2740   | 3085   | 3500   | 1                   |   |    |
| 50020        | 85              | 1965            | 2220   | 2500   | 3245   | 1                   |   |    |
| 50022        | 103             | 1625            | 1830   | 2065   | 2685   | 1                   |   |    |
| 50024        | 122             | 1365            | 1540   | 1735   | 2255   | 1                   |   |    |
| 50026        | 143             | 1165            | 1310   | 1480   | 1920   | 1                   |   |    |
| 50028        | 166             | 1005            | 1130   | 1275   | 1655   | 1                   |   |    |
| 50030        | 191             | 875             | 985    | 1110   | 1445   | 2                   |   |    |
| 50032        | 217             | 765             | 865    | 975    | 1270   | 2                   |   |    |
| 50036        | 275             | 605             | 685    | 770    | 1000   | 2                   |   | H  |
| 50040        | 339             | 490             | 555    | 625    | 810    | 2                   |   | H  |
| 50045        | 429             | 385             | 435    | 490    | 640    | 2                   |   | H  |
| 50050        | 530             | 315             | 355    | 400    | 520    | 2                   | 1 | H  |
| 50055        | 641             | 260             | 290    | 330    | 430    |                     | 1 | 1  |
| 50060        | 763             | 215             | 245    | 275    | 360    |                     | 1 | 1  |
| 50065        | 895             | 185             | 210    | 235    | 305    |                     | 1 | 1  |
| 50070        | 1039            | 160             | 180    | 200    | 265    |                     |   | 1  |
| 50075        | 1192            | 140             | 155    | 175    | 230    |                     |   | 2  |
| 50080        | 1356            | 120             | 135    | 155    | 200    |                     |   | 2  |
| 50085        | 1531            | 105             | 120    | 135    | 180    |                     |   | 2  |
| 50090        | 1717            | 95              | 110    | 120    | 160    |                     |   | 2  |
| 50095        | 1913            | 85              | 100    | 110    | 145    |                     |   | 2  |

n max. = 450 1/min i = 3,30 ; 3,95 ; 4,66 ; 5,63  
API 674 = max.385 1/min

Angaben basieren auf 100% volumetrischem Wirkungsgrad und 20°C Umgebungstemperatur  
Technical data is based on 100% volumetric efficiency and 20°C ambient temperature

| K10000<br>3G | Q max.<br>l/min | p max. bar @ kW |        |        |        | Kopftyp / Head type |   |    |
|--------------|-----------------|-----------------|--------|--------|--------|---------------------|---|----|
|              |                 | 90 kW           | 110 kW | 132 kW | 160 kW | A                   | M | MC |
| 10012        | 16              | 3000            | 3500   | -----  | -----  | 1                   |   |    |
| 10014        | 22              | 2175            | 2660   | 3200   | 3500   | 1                   |   |    |
| 10016        | 29              | 1670            | 2035   | 2440   | 2950   | 1                   |   |    |
| 10018        | 36              | 1315            | 1610   | 1930   | 2340   | 1                   |   |    |
| 10020        | 45              | 1070            | 1300   | 1565   | 1900   | 1                   |   |    |
| 10022        | 54              | 880             | 1080   | 1300   | 1570   | 1                   |   |    |
| 10024        | 64              | 740             | 905    | 1090   | 1315   | 1                   |   |    |
| 10026        | 76              | 630             | 770    | 925    | 1120   | 1                   |   | H  |
| 10028        | 88              | 545             | 665    | 800    | 970    | 1                   |   | H  |
| 10030        | 101             | 475             | 580    | 700    | 840    | 1                   |   | H  |
| 10032        | 115             | 415             | 510    | 610    | 740    | 1                   |   | H  |
| 10036        | 145             | 330             | 400    | 485    | 585    | 1                   | 1 | H  |
| 10040        | 179             | 270             | 330    | 390    | 475    |                     | 1 | 1  |
| 10045        | 227             | 210             | 260    | 310    | 375    |                     | 1 | 1  |
| 10050        | 280             | 170             | 210    | 250    | 305    |                     | 1 | 1  |
| 10055        | 338             | 140             | 170    | 210    | 250    |                     | 1 | 1  |
| 10060        | 403             | 120             | 145    | 175    | 210    |                     | 1 | 1  |
| 10065        | 473             | 100             | 125    | 150    | 180    |                     |   | 1  |

n max. = 500 1/min i = 3,00 ; 3,14 ; 3,39 ; 3,76 , 4,13 ; 4,50 ; 4,93  
API 674 = max.360 1/min

| K25000**<br>3G | Q max.<br>l/min | p max. bar @ kW |        |        |        | Kopftyp / Head type |   |    |
|----------------|-----------------|-----------------|--------|--------|--------|---------------------|---|----|
|                |                 | 132 kW          | 160 kW | 200 kW | 250 kW | A                   | M | MC |
| 25018          | 41              | 1700            | 2060   | 2570   | 3200   | 1                   |   |    |
| 25020          | 51              | 1375            | 1670   | 2080   | 2500   | 1                   |   |    |
| 25022          | 62              | 1135            | 1380   | 1720   | 2130   | 1                   |   |    |
| 25024          | 73              | 955             | 1160   | 1450   | 1800   | 1                   |   |    |
| 25026          | 86              | 815             | 990    | 1235   | 1500   | 1                   |   |    |
| 25028          | 100             | 700             | 850    | 1060   | 1315   | 1                   |   |    |
| 25030          | 114             | 610             | 740    | 925    | 1145   | 1                   |   |    |
| 25032          | 130             | 535             | 650    | 815    | 1010   | 1                   |   | H  |
| 25036          | 165             | 425             | 515    | 645    | 800    | 1                   |   | H  |
| 25040          | 203             | 345             | 415    | 520    | 645    | 1                   |   | H  |
| 25045          | 258             | 270             | 330    | 410    | 510    | 1                   | 1 | H  |
| 25050          | 318             | 220             | 265    | 335    | 415    | 1                   | 1 | H  |
| 25055          | 385             | 180             | 220    | 275    | 340    |                     | 1 | 1  |
| 25060          | 458             | 155             | 185    | 230    | 285    |                     | 1 | 1  |
| 25065          | 537             | 130             | 160    | 200    | 245    |                     | 1 | 1  |
| 25070          | 623             | 110             | 135    | 170    | 210    |                     |   | 1  |
| 25075          | 715             | 100             | 120    | 150    | 185    |                     |   | 1  |