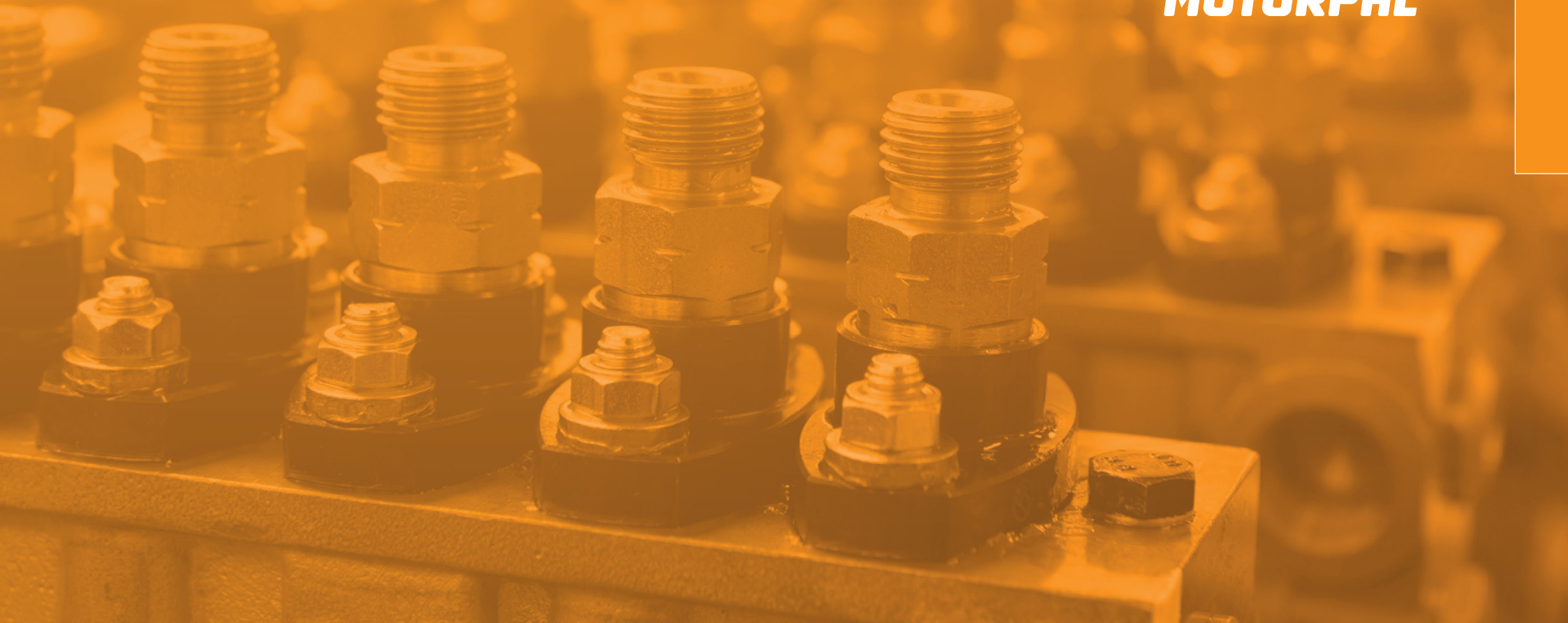


# Motorpal spare products catalogue

Каталог применяемости  
продукции Моторпал



**MOTORPAL**



## Injection equipment application chart for engines. Таблица применяемости топливной аппаратуры АО "Моторпал" на двигателях.

| Engine                         | Power (kW)    | Preinjection   | Injection pump  | Injection unit | Plunger and barrel | Delivery valve | Calibration chart     | Governor          | Boost corrector            | Coupling | Fuel feed pump      | Injector Nozzle                  | Opening pressure (MPa)  |
|--------------------------------|---------------|----------------|-----------------|----------------|--------------------|----------------|-----------------------|-------------------|----------------------------|----------|---------------------|----------------------------------|-------------------------|
| Двигатель                      | Мощность (kW) | Начало впрыска | ТНВД            | Секция         | Плунжерная пара    | Клапан         | Инструкция по наладки | Регулятор         | Обогатитель подачи топлива | Муфта    | Подкачивающий насос | Форсунка Распылитель             | Давление открытия (MPa) |
| <b>ОJSC"ММР"/ОАО"УКХ" ММЗ"</b> |               |                |                 |                |                    |                |                       |                   |                            |          |                     |                                  |                         |
| Д242С                          | 45            | 14±1           | PP4M9P1g-4269   | 60503-94       | 60403-43           | 60042-58       | 6784                  | RV3M400/900-3388  | —                          | 54856-92 | CD3M-3554           | —                                | —                       |
| Д243С                          | 60            | 16±1           | PP4M9P1g-4270   | 60503-94       | 60403-43           | 60042-58       | 6785                  | RV3M400/1100-3387 | —                          | 54856-92 | CD3M-3554           | —                                | —                       |
| 3LD                            | 26            | 15±1           | PP3M10P3f-4278  | 60503-03       | 60403-31           | 60042-69       | 6807                  | RV3M450/1500-4022 | —                          | 54856-86 | CD3M-3554           | VA70P360-2998<br>DOP146P426-3503 | 22,0+1,2                |
| Д245.16Л                       | 93            | 9±1            | PP4M10P1f-3431  | 60503-55       | 60403-41           | 60042-62       | 6544                  | RV3M300/900-3872  | ZS64-1784                  | 54856-92 | CD3M-3554           | VA70P360-2997<br>DOP122P533-3827 | 22,0+1,2                |
| Д245.9                         | 100           | 14±1           | PP4M10U1f-3436  | 60503-59       | 60403-57           | 60042-62       | 6508                  | RV3M400/1200-3860 | ZS64-1784                  | 54856-92 | CD3M-3554           | —                                | —                       |
| Д245.7                         | 92            | (9)            | PP4M10P1f-3439  | 60503-44       | 60403-47           | 60042-62       | 5965                  | RV3M250/1200-3861 | ZS64-1784                  | 54856-92 | CD3M-3554           | —                                | —                       |
| Д245.7                         | 90            | 14±1           | PP4M10U1f-3440  | 60503-59       | 60403-57           | 60042-62       | 6507                  | RV3M400/1200-3860 | ZS64-1784                  | 54856-92 | CD3M-3554           | —                                | —                       |
| Д245.9                         | 100           | (9)            | PP4M10P1f-3451  | 60503-44       | 60403-47           | 60042-62       | 5955                  | RV3M250/1200-3349 | ZS64-1784                  | —        | CD3M-3554           | —                                | —                       |
| Д245.7                         | 92            | 9±1            | PP4M10P1f-3457  | 60503-44       | 60403-47           | 60042-62       | 5965                  | RV3M250/1200-3349 | ZS64-1784                  | —        | CD3M-3554           | —                                | —                       |
| Д245.12                        | 80            | —              | PP4M10P1f-3470  | 60503-55       | 60403-41           | 60042-62       | 5985                  | RV3M400/1200-3397 | ZS64-1784                  | 54856-92 | CD3M-3554           | VA70P360-2997<br>DOP122P533-3827 | 22,0+1,2                |
| Д245.12                        | 80            | —              | PP4M10P1f-3475  | 60503-55       | 60403-41           | 60042-62       | 5985                  | RV3M400/1200-3397 | ZS64-1784                  | 54856-92 | CD3M-3554           | VA70P360-2997<br>DOP122P533-3827 | 22,0+1,2                |
| Д242С                          | 45            | 14±1           | PP4M10P1f-3477  | 60503-55       | 60403-41           | 60042-62       | 6000                  | RV3M400/900-3388  | —                          | 54856-92 | CD3M-3554           | —                                | —                       |
| Д242С                          | 45            | 14±1           | PP4M10P1f-3477G | 60503-94       | 60403-43           | 60042-58       | 6784                  | RV3M400/900-3388  | —                          | 54856-92 | CD3M-3554           | —                                | —                       |
| Д243С                          | 59            | 16±1           | PP4M10P1f-3478  | 60503-55       | 60403-41           | 60042-62       | 5999                  | RV3M400/1100-3387 | —                          | 54856-92 | CD3M-3554           | —                                | —                       |
| Д243С                          | 60            | 16±1           | PP4M10P1f-3478G | 60503-94       | 60403-43           | 60042-58       | 6785                  | RV3M400/1100-3387 | —                          | 54856-92 | CD3M-3554           | —                                | —                       |
| Д244С                          | 42            | 14±1           | PP4M10P1f-3479  | 60503-55       | 60403-41           | 60042-62       | 5998                  | RV3M300/850-3389  | —                          | 54856-92 | CD3M-3554           | —                                | —                       |
| Д245С                          | 77            | 13±1           | PP4M10P1f-3480  | 60503-55       | 60403-41           | 60042-62       | 5996                  | RV3M300/1100-3390 | ZS64-1793                  | 54856-92 | CD3M-3554           | —                                | —                       |
| Д245С                          | 77            | 13±1           | PP4M10P1f-3480G | 60503-94       | 60403-43           | 60042-58       | 6796                  | RV3M400/1100-4015 | ZS64-1793                  | 54856-92 | CD3M-3554           | —                                | —                       |
| Д245.5С                        | 65            | 9±1            | PP4M10P1f-3481  | 60503-55       | 60403-41           | 60042-62       | 5997                  | RV3M300/900-3391  | ZS64-1793                  | 54856-92 | CD3M-3554           | —                                | —                       |
| Д245.7                         | 65            | 14±1           | PP4M10U1f-3482  | 60503-59       | 60403-57           | 60042-62       | 6507                  | RV3M400/1200-3397 | ZS64-1784                  | 54856-92 | CD3M-3554           | —                                | —                       |
| Д245.9                         | 100           | 14±1           | PP4M10U1f-3483  | 60503-59       | 60403-57           | 60042-62       | 6508                  | RV3M400/1200-3397 | ZS64-1784                  | 54856-92 | CD3M-3554           | —                                | —                       |
| Д242С                          | 45            | 14±1           | PP4M10U1f-3485  | 60503-59       | 60403-57           | 60042-62       | 6000                  | RV3M400/900-3388  | —                          | 54856-92 | CD3M-3554           | —                                | —                       |
| Д245.12С                       | 80            | 13±1           | PP4M10U1f-3486  | 60503-59       | 60403-57           | 60042-62       | 5992                  | RV3M400/1200-3397 | ZS64-1784                  | 54856-92 | CD3M-3554           | —                                | —                       |
| Д245.12С                       | 80            | —              | PP4M10P1f-3486G | 60503-94       | 60403-43           | 60042-58       | 6797                  | RV3M400/1200-4014 | ZS64-1796                  | 54856-92 | CD3M-3554           | —                                | —                       |
| Д244С                          | 42            | 14±1           | PP4M10U1f-3487  | 60503-59       | 60403-57           | 60042-62       | 5998                  | RV3M300/850-3389  | —                          | 54856-92 | CD3M-3554           | —                                | —                       |
| Д245.5С                        | 65            | 13±1           | PP4M10U1f-3488  | 60503-59       | 60403-57           | 60042-62       | 5997                  | RV3M300/900-3391  | ZS64-1793                  | 54856-92 | CD3M-3554           | —                                | —                       |
| Д245.5С                        | 65            | 9±1            | PP4M10P1f-3488G | 60503-94       | 60403-43           | 60042-58       | 6798                  | RV3M400/900-4013  | ZS64-1793                  | 54856-92 | CD3M-3554           | —                                | —                       |
| Д246.1                         | 42            | (11)           | PP4M10P1f-4204  | 60503-55       | 60403-41           | 60042-62       | 6700                  | RV3M750-3966      | —                          | 54856-92 | CD3M-3554           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |

| Engine                            | Power (kW)    | Preinjection   | Injection pump | Injection unit | Plunger and barrel | Delivery valve | Calibration chart     | Governor          | Boost corrector            | Coupling | Fuel feed pump      | Injector Nozzle                  | Opening pressure (MPa)  |
|-----------------------------------|---------------|----------------|----------------|----------------|--------------------|----------------|-----------------------|-------------------|----------------------------|----------|---------------------|----------------------------------|-------------------------|
| Двигатель                         | Мощность (kW) | Начало впрыска | ТНВД           | Секция         | Плунжерная пара    | Клапан         | Инструкция по наладки | Регулятор         | Обогатитель подачи топлива | Муфта    | Подкачивающий насос | Форсунка Распылитель             | Давление открытия (MPa) |
| <b>OJSC "MMP" / OAO "YKH" MMЗ</b> |               |                |                |                |                    |                |                       |                   |                            |          |                     |                                  |                         |
| Д246.4                            | 77            | (9)            | PP4M10P1F-4205 | 60503-55       | 60403-41           | 60042-62       | 6699                  | RV3M750-3965      | —                          | 54856-92 | CD3M-3554           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д246.1                            | 42            | (11)           | PP4M10P1F-4218 | 60503-55       | 60403-41           | 60042-62       | 6701                  | RV3M750-3966      | —                          | 54856-92 | CD3M-3554           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д246.2                            | 55            | (9)            | PP4M10P1F-4221 | 60503-55       | 60403-41           | 60042-62       | 6733                  | RV3M750-3965      | —                          | 54856-92 | CD3M-3554           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д246.3                            | 65            | (9)            | PP4M10P1F-4223 | 60503-55       | 60403-41           | 60042-62       | 6789                  | RV3M750-4001      | —                          | 54856-92 | CD3M-3554           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д246.5                            | 30            | (11)           | PP4M10P1F-4224 | 60503-55       | 60403-41           | 60042-62       | 6758                  | RV3M900-3993      | —                          | 54856-92 | CD3M-3554           | —                                | —                       |
| Д245.9                            | 100           | 14±1           | PP4M10U1F-4233 | 60503-59       | 60403-57           | 60042-62       | 6508                  | RV3M400/1200-3860 | ZS64-1784                  | 54856-92 | CD3M-3554           | —                                | —                       |
| Д245С                             | 79            | 13±1           | PP4M10P1F-4240 | 60503-55       | 60403-41           | 60042-62       | 5996                  | RV3M300/1100-3390 | ZS64-1793                  | 54856-92 | CD3M-3554           | —                                | —                       |
| Д243С                             | 59            | 16±1           | PP4M10P1F-4244 | 60503-55       | 60403-41           | 60042-62       | 5999                  | RV3M400/1100-3387 | —                          | 54856-92 | CD3M-3554           | —                                | —                       |
| Д243С                             | 60            | 16±1           | PP4M10P1F-4255 | 60503-55       | 60403-41           | 60042-62       | 5999                  | RV3M400/1100-3387 | —                          | 54856-92 | CD3M-3554           | —                                | —                       |
| Д246.2                            | 54            | (9)            | PP4M10P1F-4267 | 60503-55       | 60403-41           | 60042-62       | 6733                  | RV3M750-3965      | —                          | 54856-92 | CD3M-3554           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д260.5                            | 173           | —              | PP6M10P1F-3462 | 60503-54       | 60403-41           | 60042-62       | 5984                  | RV3M400/1000-3362 | ZS64-1784                  | —        | CD3M-3554           | —                                | —                       |
| Д260.5                            | 173           | —              | PP6M10P1F-3476 | 60503-54       | 60403-41           | 60042-62       | 5984                  | RV3M400/1050-3362 | ZS64-1784                  | —        | CD3M-3554           | —                                | —                       |
| Д260.5                            | 173           | (18)           | PP6M10U1F-3489 | 60503-60       | 60403-57           | 60042-62       | 5995                  | RV3M400/1050-3383 | ZS64-1796                  | —        | CD3M-3554           | —                                | —                       |
| Д260.1                            | 114           | 22±1           | PP6M10P1F-3491 | 60503-54       | 60403-41           | 60042-62       | 6503                  | RV3M400/1050-3394 | ZS64-1800                  | —        | CD3M-3554           | —                                | —                       |
| Д260.2                            | 96            | 22±1           | PP6M10P1F-3492 | 60503-54       | 60403-41           | 60042-62       | 6504                  | RV3M400/1050-3395 | ZS64-1800                  | —        | CD3M-3554           | —                                | —                       |
| Д260.4                            | 155           | 22±1           | PP6M10P1F-3493 | 60503-54       | 60403-41           | 60042-62       | 6505                  | RV3M400/1050-3362 | ZS64-1784                  | —        | CD3M-3554           | —                                | —                       |
| Д260.9С                           | 132           | 16±1           | PP6M10P1F-4200 | 60503-54       | 60403-41           | 60042-62       | 6705                  | RV3M400/1050-3362 | ZS64-1784                  | —        | CD3M-3554           | —                                | —                       |
| Д266.4                            | 127           | 11±1           | PP6M10P1F-4203 | 60503-55       | 60403-41           | 60042-62       | 6702                  | RV3M750-3967      | —                          | —        | CD3M-3554           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д266.2                            | 95            | 11±1           | PP6M10P1F-4219 | 60503-55       | 60403-41           | 60042-62       | 6713                  | RV3M750-3990      | —                          | —        | CD3M-3554           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д266.3                            | 115           | —              | PP6M10P1F-4220 | 60503-55       | 60403-41           | 60042-62       | 6711                  | RV3M750-3990      | —                          | —        | CD3M-3554           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д260.14                           | 103           | 17±1           | PP6M10P1F-4222 | 60503-54       | 60403-41           | 60042-62       | 6727                  | RV3M400/900-3985  | ZS64-1784                  | —        | CD3M-3554           | —                                | —                       |
| Д260.9С                           | 132           | 16±1           | PP6M10P1F-4234 | 60503-54       | 60403-41           | 60042-62       | 6705                  | RV3M400/1050-3362 | ZS64-1784                  | —        | CD3M-3554           | —                                | —                       |
| Д260.xx                           | 169           | —              | PP6M10P1F-4235 | 60503-54       | 60403-41           | 60042-62       | 6741                  | RV3M400/1050-3362 | ZS64-1784                  | —        | CD3M-3554           | —                                | —                       |
| Д260.14                           | 103           | 17±1           | PP6M10P1F-4236 | 60503-54       | 60403-41           | 60042-62       | 6727                  | RV3M400/900-3985  | ZS64-1784                  | —        | CD3M-3554           | VA70P360-2997<br>DOP122P533-3827 | 22,0+1,2                |
| Д260.1                            | 114           | 22±1           | PP6M10P1F-4241 | 60503-54       | 60403-41           | 60042-62       | 6503                  | RV3M400/1050-3394 | ZS64-1784                  | —        | CD3M-3554           | —                                | —                       |
| Д260.1                            | 114           | 22±1           | PP6M10P1F-4243 | 60503-54       | 60403-41           | 60042-62       | 6503                  | RV3M400/1050-3984 | ZS64-1784                  | —        | CD3M-3554           | —                                | —                       |
| Д260.9С                           | 132           | 16±1           | PP6M10P1F-4245 | 60503-54       | 60403-41           | 60042-62       | 6705                  | RV3M400/1050-3362 | ZS64-1784                  | —        | CD3M-3554           | —                                | —                       |

| Engine                            | Power (kW)    | Preinjection   | Injection pump | Injection unit | Plunger and barrel | Delivery valve | Calibration chart     | Governor            | Boost corrector            | Coupling | Fuel feed pump      | Injector Nozzle                  | Opening pressure (MPa)  |
|-----------------------------------|---------------|----------------|----------------|----------------|--------------------|----------------|-----------------------|---------------------|----------------------------|----------|---------------------|----------------------------------|-------------------------|
| Двигатель                         | Мощность (kW) | Начало впрыска | ТНВД           | Секция         | Плунжерная пара    | Клапан         | Инструкция по наладки | Регулятор           | Обогатитель подачи топлива | Муфта    | Подкачивающий насос | Форсунка Распылитель             | Давление открытия (MPa) |
| <b>OJSC "ММР" / OAO "УКХ" ММЗ</b> |               |                |                |                |                    |                |                       |                     |                            |          |                     |                                  |                         |
| Д260.4С                           | 156           | 16±1           | PP6M10P1f-4248 | 60503-54       | 60403-41           | 60042-62       | 6505                  | RV3M400/1050-3362   | ZS64-1784                  | —        | CD3M-3554           | —                                |                         |
| Д266.4                            | 127           | 11±1           | PP6M10P1f-4260 | 60503-55       | 60403-41           | 60042-62       | 6772                  | El. reg. LA72099350 | —                          | —        | CD3M-3554           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.9E2                          | 100           | 5±0,5          | PP4M10P1i-3527 | 60503-82       | 60403-68           | 60042-97       | 6728                  | RV3M400/1200-3977   | ZS70-1738                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.7E2                          | 90            | 4±0,5          | PP4M10P1i-3530 | 60503-82       | 60403-68           | 60042-97       | 6729                  | RV3M400/1200-3978   | ZS70-1739                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.30E2                         | 115           | 5,5±0,5        | PP4M10P1i-3532 | 60503-82       | 60403-68           | 60042-97       | 6730                  | RV3M400/1200-3976   | ZS70-1738                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.5S2                          | 66            | 4±0,5          | PP4M10P1i-3701 | 60503-82       | 60403-68           | 60042-97       | 6603                  | RV3M300/900-3908    | ZS70-1728                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.43S2                         | 60            | 4±0,5          | PP4M10P1i-3703 | 60503-82       | 60403-68           | 60042-97       | 6722                  | RV3M300/900-3908    | ZS70-1728                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.2S2                          | 88            | 3,5±0,5        | PP4M10P1i-3704 | 60503-82       | 60403-68           | 60042-97       | 6723                  | RV3M300/1100-3975   | ZS70-1728                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.52                           | 79            | 3,5±0,5        | PP4M10P1i-3705 | 60503-82       | 60403-68           | 60042-97       | 6724                  | RV3M300/1100-3975   | ZS70-1728                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.2S3AM                        | 90            | 6±0,5          | PP4M10U1i-3793 | 60503-01       | 60403-75           | 60042-97       | 6671                  | RV3M400/1100-3989   | ZS70-1739                  | 54856-98 | CD4M-3569           | VA70P360-2996<br>DOP140P528-3826 | 28,0+0,8                |
| Д245.53AM                         | 81            | 6±0,5          | PP4M10U1i-3794 | 60503-01       | 60403-75           | 60042-97       | 6672                  | RV3M400/1100-3989   | ZS70-1739                  | 54856-98 | CD4M-3569           | VA70P360-2996<br>DOP140P528-3826 | 28,0+0,8                |
| Д245.5S3AM                        | 70            | 4±0,5          | PP4M10U1i-3795 | 60503-01       | 60403-75           | 60042-97       | 6673                  | RV3M400/900-3987    | ZS70-1741                  | 54856-98 | CD4M-3569           | VA70P360-2996<br>DOP140P528-3826 | 28,0+0,8                |
| Д245.43S3AM                       | 62            | 4±0,5          | PP4M10U1i-3796 | 60503-01       | 60403-75           | 60042-97       | 6674                  | RV3M400/900-3987    | ZS70-1741                  | 54856-98 | CD4M-3569           | VA70P360-2996<br>DOP140P528-3826 | 28,0+0,8                |
| Д245.9E2                          | 100           | 5±0,5          | PP4M10P1i-4336 | 60503-82       | 60403-68           | 60042-97       | 6728                  | RV3M400/1200-3977   | ZS70-1739                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.43S2                         | 60            | 4±0,5          | PP4M10P1i-4339 | 60503-82       | 60403-68           | 60042-97       | 6722                  | RV3M300/900-3981    | ZS70-1740                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.2S2                          | 88            | 3,5±0,5        | PP4M10P1i-4340 | 60503-82       | 60403-68           | 60042-97       | 6723                  | RV3M300/1100-3975   | ZS70-1740                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.7E2                          | 90            | 4±0,5          | PP4M10P1i-4342 | 60503-82       | 60403-68           | 60042-97       | 6729                  | RV3M400/1200-3978   | ZS70-1738                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.52                           | 79            | 3,5±0,5        | PP4M10P1i-4343 | 60503-82       | 60403-68           | 60042-97       | 6739                  | RV3M300/1100-3982   | ZS70-1740                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.43S2                         | 62            | 4±0,5          | PP4M10P1i-4344 | 60503-82       | 60403-68           | 60042-97       | 6740                  | RV3M300/900-3981    | ZS70-1740                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |

| Engine                            | Power (kW)    | Preinjection   | Injection pump | Injection unit | Plunger and barrel | Delivery valve | Calibration chart     | Governor          | Boost corrector            | Coupling | Fuel feed pump      | Injector Nozzle                  | Opening pressure (MPa)  |
|-----------------------------------|---------------|----------------|----------------|----------------|--------------------|----------------|-----------------------|-------------------|----------------------------|----------|---------------------|----------------------------------|-------------------------|
| Двигатель                         | Мощность (kW) | Начало впрыска | ТНВД           | Секция         | Плунжерная пара    | Клапан         | Инструкция по наладки | Регулятор         | Обогатитель подачи топлива | Муфта    | Подкачивающий насос | Форсунка Распылитель             | Давление открытия (MPa) |
| <b>OJSC "MMP" / OAO "YKH" MMЗ</b> |               |                |                |                |                    |                |                       |                   |                            |          |                     |                                  |                         |
| Д245.2S2                          | 88            | 3,5±0,5        | PP4M10P1i-4358 | 60503-82       | 60403-68           | 60042-97       | 6723                  | RV3M300/1100-3975 | ZS70-1740                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.30E2                         | 115           | 5,5±0,5        | PP4M10P1i-4360 | 60503-82       | 60403-68           | 60042-97       | 6730                  | RV3M400/1200-3976 | ZS70-1739                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.7E2                          | 90            | 4±0,5          | PP4M10P1i-4361 | 60503-82       | 60403-68           | 60042-97       | 6729                  | RV3M400/1200-4005 | ZS70-1739                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.7E2                          | 90            | 4±0,5          | PP4M10P1i-4362 | 60503-82       | 60403-68           | 60042-97       | 6729                  | RV3M400/1200-4005 | ZS70-1738                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.9E2                          | 100           | 5±0,5          | PP4M10P1i-4363 | 60503-82       | 60403-68           | 60042-97       | 6728                  | RV3M400/1200-3998 | ZS70-1739                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.9E2                          | 100           | 5±0,5          | PP4M10P1i-4364 | 60503-82       | 60403-68           | 60042-97       | 6728                  | RV3M400/1200-3998 | ZS70-1738                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.9E2                          | 100           | 5±0,5          | PP4M10P1i-4365 | 60503-82       | 60403-68           | 60042-97       | 6728                  | RV3M400/1200-3977 | ZS70-1739                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.5S2                          | 66            | 4±0,5          | PP4M10P1i-4376 | 60503-82       | 60403-68           | 60042-97       | 6603                  | RV3M300/900-3908  | ZS70-1728                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д245.30E2                         | 115           | 5,5±0,5        | PP4M10P1i-4393 | 60503-82       | 60403-68           | 60042-97       | 6730                  | RV3M400/1200-3976 | ZS70-1738                  | 54856-96 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д260.5E2                          | 167           | 5±0,5          | PP6M10P1i-3535 | 60503-89       | 60403-71           | 60042-97       | 6754                  | RV3M400/1050-3924 | ZS70-1731                  | 54856-97 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д260.4S2                          | 156           | 6±0,5          | PP6M10P1i-3707 | 60503-89       | 60403-71           | 60042-97       | 6684                  | RV3M400/1050-3997 | ZS70-1745                  | 54856-97 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д2609S2                           | 132           | 6±0,5          | PP6M10P1i-3708 | 60503-89       | 60403-71           | 60042-97       | 6787                  | RV3M400/1050-3980 | ZS70-1745                  | 54856-97 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д2601S2                           | 116           | 6±0,5          | PP6M10P1i-3709 | 60503-89       | 60403-71           | 60042-97       | 6735                  | RV3M400/1050-3924 | ZS70-1731                  | 54856-97 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д260.14S2                         | 103           | 4±0,5          | PP6M10P1i-3710 | 60503-89       | 60403-71           | 60042-97       | 6757                  | RV3M400/900-3992  | ZS70-1745                  | 54856-97 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д260.2S2                          | 98            | 6±0,5          | PP6M10P1i-3711 | 60503-89       | 60403-71           | 60042-97       | 6736                  | RV3M400/1050-3924 | ZS70-1728                  | 54856-97 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| Д260.7S2                          | 186           | (6)            | PP6M10P1i-3712 | 60503-89       | 60403-71           | 60042-97       | 6618                  | RV3M400/1050-3924 | ZS70-1731                  | 54856-97 | CD4M-3569           | VA70P360-2995<br>DOP140P533-3825 | 25,0+1,2                |
| Д260.16                           | 206           | —              | PP6M10P1i-3754 | 60503-89       | 60403-71           | 60042-97       | 6619                  | RV3M400/1050-3925 | ZS70-1731                  | 54856-97 | CD4M-3569           | VA70P360-2995<br>DOP140P533-3825 | 25,0+1,2                |
| Д260.16                           | 206           | —              | PP6M10P1i-4301 | 60503-89       | 60403-71           | 60042-97       | 6669                  | RV3M400/1050-3925 | ZS70-1737                  | 54856-97 | CD4M-3569           | VA70P360-2995<br>DOP140P533-3825 | 25,0+1,2                |
| Д262.2S2                          | 184           | 8±1            | PP6M10P1i-4320 | 60503-89       | 60403-71           | 60042-97       | 6708                  | RV3M400/1050-3924 | ZS70-1737                  | 54856-97 | CD4M-3569           | VA70P360-2995<br>DOP140P533-3825 | 25,0+1,2                |

| Engine                         | Power (kW)    | Preinjection   | Injection pump | Injection unit | Plunger and barrel | Delivery valve | Calibration chart     | Governor          | Boost corrector            | Coupling | Fuel feed pump      | Injector Nozzle                  | Opening pressure (MPa)  |
|--------------------------------|---------------|----------------|----------------|----------------|--------------------|----------------|-----------------------|-------------------|----------------------------|----------|---------------------|----------------------------------|-------------------------|
| Двигатель                      | Мощность (kW) | Начало впрыска | ТНВД           | Секция         | Плунжерная пара    | Клапан         | Инструкция по наладки | Регулятор         | Обогатитель подачи топлива | Муфта    | Подкачивающий насос | Форсунка Распылитель             | Давление открытия (MPa) |
| <b>ОJSC"ММР"/ОАО"УКХ" ММЗ"</b> |               |                |                |                |                    |                |                       |                   |                            |          |                     |                                  |                         |
| D262.1S2                       | 206           | 8±1            | PP6M10P1i-4321 | 60503-89       | 60403-71           | 60042-97       | 6725                  | RV3M400/1050-3983 | ZS70-1737                  | 54856-97 | CD4M-3569           | —                                | —                       |
| D262.S2                        | 221           | 8±1            | PP6M10P1i-4322 | 60503-89       | 60403-71           | 60042-97       | 6726                  | RV3M400/1050-3569 | ZS70-1737                  | 54856-97 | CD4M-3569           | —                                | —                       |
| D260.1S2                       | 116           | 6±0,5          | PP6M10P1i-4323 | 60503-89       | 60403-71           | 60042-97       | 6731                  | RV3M400/1050-3980 | ZS70-1737                  | 54856-97 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| D260.9S2                       | 132           | 6±0,5          | PP6M10P1i-4324 | 60503-89       | 60403-71           | 60042-97       | 6732                  | RV3M400/1050-3980 | ZS70-1737                  | 54856-97 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| D260.12E2                      | 184           | 5,5±0,5        | PP6M10P1i-4325 | 60503-89       | 60403-71           | 60042-97       | 6707                  | RV3M400/1050-3924 | ZS70-1737                  | 54856-97 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| D267                           | 196           | —              | PP6M10P1i-4326 | 60503-82       | 60403-68           | 60042-97       | 6721                  | RV3M750-3974      | —                          | 54856-97 | CD4M-3569           | —                                | —                       |
| D260.7E2                       | 186           | (6)            | PP6M10P1i-4330 | 60503-89       | 60403-71           | 60042-97       | 6710                  | RV3M400/1050-3925 | ZS70-1737                  | 54856-97 | CD4M-3569           | —                                | —                       |
| D260.4S2                       | 156           | 6±0,5          | PP6M10P1i-4341 | 60503-89       | 60403-71           | 60042-97       | 6684                  | RV3M400/1050-3997 | ZS70-1737                  | 54856-97 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| D260.14S2                      | 103           | 4±0,5          | PP6M10P1i-4345 | 60503-89       | 60403-71           | 60042-97       | 6757                  | RV3M400/900-3992  | ZS70-1737                  | 54856-97 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| D260.2S2                       | 100           | 6±0,5          | PP6M10P1i-4359 | 60503-89       | 60403-71           | 60042-97       | 6755                  | RV3M400/105-3924  | ZS70-1740                  | 54856-97 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| D260.1S2                       | 116           | 6±0,5          | PP6M1091i-4399 | 60503-89       | 60403-71           | 60042-97       | 6731                  | RV3M400/1050-3980 | ZS70-1745                  | 54856-97 | CD4M-3569           | VA70P360-2994<br>DOP140P529-3824 | 25,0+1,2                |
| D243.C                         | 82            | 16±1           | PP4M9P1g-4201  | 60503-94       | 60403-43           | 60042-58       | 6666                  | RV3M350/1100-3953 | —                          | 04856-98 | CD3M-3554           | —                                | —                       |
| <b>ООО"VMTZ"/ООО"ВМТЗ"</b>     |               |                |                |                |                    |                |                       |                   |                            |          |                     |                                  |                         |
| D120                           | 22,1          | —              | PP2M10P1f-4246 | 60503-55       | 60403-41           | 60042-62       | 6747                  | RV3M350/1000-3988 | —                          | —        | CD3M-3554           | —                                | —                       |
| D120                           | 18            | —              | PP2M10P1f-4249 | 60503-55       | 60403-41           | 60042-62       | 6759                  | RV3M350/900-3957  | —                          | —        | CD3M-3554           | —                                | —                       |
| D120                           | 22,1          | —              | PP2M10P1f-4250 | 60503-55       | 60403-41           | 60042-62       | 6804                  | RV3M350/1000-4018 | —                          | —        | CD3M-3554           | —                                | —                       |
| D120                           | 15,4          | —              | PP2M10P1f-4251 | 60503-55       | 60403-41           | 60042-62       | 6765                  | RV3M350/750-4003  | —                          | —        | CD3M-3554           | —                                | —                       |
| D130                           | 46            | —              | PP3M10P1f-4209 | 60503-55       | 60403-41           | 60042-62       | 6678                  | RV3M350/1000-3956 | —                          | —        | CD3M-3554           | —                                | —                       |
| D130                           | 35,3          | —              | PP3M10P1f-4210 | 60503-55       | 60403-41           | 60042-62       | 6679                  | RV3M350/1000-3956 | —                          | —        | CD3M-3554           | —                                | —                       |
| D144-305                       | 47            | —              | PP4M10P1f-4206 | 60503-55       | 60403-41           | 60042-62       | 6675                  | RV3M350/1000-3956 | —                          | —        | CD3M-3554           | —                                | —                       |
| D144-315                       | 47            | —              | PP4M10P1f-4207 | 60503-55       | 60403-41           | 60042-62       | 6676                  | RV3M350/900-3957  | —                          | —        | CD3M-3554           | —                                | —                       |
| D145T                          | 58,3          | —              | PP4M10P1f-4208 | 60503-55       | 60403-41           | 60042-62       | 6677                  | RV3M350/1000-3970 | ZS64-1744                  | —        | CD3M-3554           | —                                | —                       |
| D144-325                       | 44            | —              | PP4M10P1f-4216 | 60503-55       | 60403-41           | 60042-62       | 6688                  | RV3M350/750-3960  | —                          | —        | CD3M-3554           | —                                | —                       |
| D145T                          | 62            | —              | PP4M10P1f-4247 | 60503-55       | 60403-41           | 60042-62       | 6746                  | RV3M350/1050-3986 | ZS64-1744                  | —        | CD3M-3554           | —                                | —                       |

| Engine                         | Power (kW)    | Preinjection   | Injection pump | Injection unit | Plunger and barrel | Delivery valve | Calibration chart     | Governor          | Boost corrector            | Coupling | Fuel feed pump      | Injector Nozzle      | Opening pressure (MPa)  |
|--------------------------------|---------------|----------------|----------------|----------------|--------------------|----------------|-----------------------|-------------------|----------------------------|----------|---------------------|----------------------|-------------------------|
| Двигатель                      | Мощность (kW) | Начало впрыска | ТНВД           | Секция         | Плунжерная пара    | Клапан         | Инструкция по наладки | Регулятор         | Обогатитель подачи топлива | Муфта    | Подкачивающий насос | Форсунка Распылитель | Давление открытия (MPa) |
| <b>ООО "VMTZ" / ООО "BMT3"</b> |               |                |                |                |                    |                |                       |                   |                            |          |                     |                      |                         |
| A 41                           | 69            | —              | PP4M10P1F-4202 | 60503-55       | 60403-41           | 60042-62       | 6698                  | RV3M350/875-3964  | —                          | 04856-89 | CD3M-3554           | —                    | —                       |
| A-41-CI-01                     | 73,5          | —              | PP4M10P1i-4379 | 60503-83       | 60403-66           | 60042-93       | 6790                  | RV3M350/880-4011  | —                          | 04856-87 | CD4M-3569           | —                    | —                       |
| <b>JSC "BMZ" / ЗАО "BMT3"</b>  |               |                |                |                |                    |                |                       |                   |                            |          |                     |                      |                         |
| SMD 18N                        | 73,6          | —              | PP4M10P1F-4214 | 60503-55       | 60403-41           | 60042-62       | 6696                  | RV3M350/900-3957  | —                          | 04856-99 | CD3M-3554           | —                    | —                       |
| SMD 14N                        | 59            | —              | PP4M10P1F-4215 | 60503-55       | 60403-41           | 60042-62       | 6697                  | RV3M350/900-3957  | —                          | 04856-99 | CD3M-3554           | —                    | —                       |
| SMD 21, 22                     | 107           | —              | PP4M10P1F-4271 | 60503-54       | 60403-41           | 60042-62       | 6799                  | RV3M350/1000-4016 | ZS64-1796                  | 04856-99 | CD3M-3554           | —                    | —                       |
| SMD 31T                        | 110           | —              | PP6M10P1F-4232 | 60503-54       | 60403-41           | 60042-62       | 6734                  | RV3M350/900-4012  | —                          | 04856-99 | CD3M-3554           | —                    | —                       |

**Cross reference chart of Motorpal replacements for inj.pumps of other manufacturers. Таблица взаимозаменяемость ТНВД АО "Моторпал" с другими производителями.**

| Engine    | MOTORPAL        | OJSC "YaZDA"                | OJSC "NZTA"        |
|-----------|-----------------|-----------------------------|--------------------|
| Двигатель | АО "МОТОРПАЛ"   | ОАО "ЯЗДА"                  | ОАО "НЗТА"         |
| Д242С     | PP4M9P1g-4269   | 772.1111005-01              | УТНИ-1111007-610   |
| Д243С     | PP4M9P1g-4270   | 772.1111005                 | УТНИ-1111007-620   |
| 3LD       | PP3M10P3f-4278  | —                           | —                  |
| Д245.16 Л | PP4M10P1f-3431  | —                           | —                  |
| Д245.9    | PP4M10U1f-3436  | 773.1111005-05/05Э/05Э2/05П | —                  |
| Д245.7    | PP4M10P1f-3439  | 773.1111005-04/04Э/04Э2/04П | —                  |
| Д245.7    | PP4M10U1f-3440  | 773.1111005-04/04Э/04Э2/04П | —                  |
| Д245.9    | PP4M10P1f-3451  | 773.1111005-05/05Э/05Э2/05П | —                  |
| Д245.7    | PP4M10P1f-3457  | 773.1111005-04/04Э/04Э2/04П | —                  |
| Д245.12   | PP4M10P1f-3470  | —                           | —                  |
| Д245.12   | PP4M10P1f-3475  | —                           | —                  |
| Д242С     | PP4M10P1f-3477  | 772.1111005-01              | УТНИ-1111007-610   |
| Д242С     | PP4M10P1f-3477G | 772.1111005-01              | УТНИ-1111007-610   |
| Д243С     | PP4M10P1f-3478  | 772.1111005                 | УТНИ-1111007-620   |
| Д243С     | PP4M10P1f-3478G | 772.1111005                 | УТНИ-1111007-620   |
| Д244С     | PP4M10P1f-3479  | 772.1111005-04              | УТНИ-1111007-630   |
| Д245С     | PP4M10P1f-3480  | 773.1111005-01              | УТНИ-Т-1111007-600 |
| Д245С     | PP4M10P1f-3480G | 773.1111005-01              | УТНИ-Т-1111007-600 |
| Д245.5С   | PP4M10P1f-3481  | 773.1111005-02              | УТНИ-Т-1111007-720 |
| Д245.7    | PP4M10U1f-3482  | 773.1111005-04/04Э/04Э2/04П | —                  |
| Д245.9    | PP4M10U1f-3483  | 773.1111005-05/05Э/05Э2/05П | —                  |
| Д242С     | PP4M10U1f-3485  | 772.1111005-01              | УТНИ-1111007-610   |
| Д245.12С  | PP4M10U1f-3486  | 773.1111005-03              | УТНИ-Т-1111007-20  |
| Д245.12С  | PP4M10P1f-3486G | 773.1111005-03              | УТНИ-Т-1111007-20  |
| Д244С     | PP4M10U1f-3487  | 772.1111005-04              | УТНИ-1111007-630   |
| Д245.5С   | PP4M10U1f-3488  | 773.1111005-02              | УТНИ-Т-1111007-720 |
| Д245.5С   | PP4M10P1f-3488G | 773.1111005-02              | УТНИ-Т-1111007-720 |
| Д246.1    | PP4M10P1f-4204  | 776.1111005/Э/Э2            | УТНИ-1111007-180.1 |
| Д246.4    | PP4M10P1f-4205  | 776.1111005-01/01Э/01Э2     | —                  |
| Д246.1    | PP4M10P1f-4218  | 776.1111005/Э/Э2            | УТНИ-1111007-180.1 |
| Д246.2    | PP4M10P1f-4221  | 776.1111005/Э/Э2            | УТНИ-1111007-182   |
| Д246.3    | PP4M10P1f-4223  | 776.1111005-01/01Э/01Э2     | —                  |

| Engine    | MOTORPAL       | OJSC "YaZDA"                            | OJSC "NZTA"        |
|-----------|----------------|---|--------------------|
| Двигатель | АО "МОТОРПАЛ"  | ОАО "ЯЗДА"                              | ОАО "НЗТА"         |
| Д246.5    | PP4M10P1f-4224 | —                                       | —                  |
| Д245.9    | PP4M10U1f-4233 | 773.1111005-05/05Э/05Э2/05П             | —                  |
| Д245С     | PP4M10P1f-4240 | 773.1111005-01                          | УТНИ-Т-1111007-600 |
| Д243С     | PP4M10P1f-4244 | 772.1111005                             | УТНИ-1111007-620   |
| Д243С     | PP4M10P1f-4255 | 772.1111005                             | УТНИ-1111007-620   |
| Д246.2    | PP4M10P1f-4267 | 776.1111005/Э/Э2                        | УТНИ-1111007-182   |
| Д260.5    | PP6M10P1f-3462 | —                                       | —                  |
| Д260.5    | PP6M10P1f-3476 | —                                       | —                  |
| Д260.5    | PP6M10U1f-3489 | —                                       | —                  |
| Д260.1    | PP6M10P1f-3491 | 363.1111005-40.01                       | —                  |
| Д260.2    | PP6M10P1f-3492 | 363.1111005-40.02                       | —                  |
| Д260.4    | PP6M10P1f-3493 | 363.1111005-40.04                       | —                  |
| Д260.9С   | PP6M10P1f-4200 | —                                       | 632.1111007-29     |
| Д266.4    | PP6M10P1f-4203 | 366.1111005-01/01Э/01Э2                 | 632.1111007-140    |
| Д266.2    | PP6M10P1f-4219 | 366.1111005/Э/Э2                        | 632.1111007-120    |
| Д266.3    | PP6M10P1f-4220 | 366.1111005-01/01Э/01Э2                 | 632.1111007-130    |
| Д260.14   | PP6M10P1f-4222 | 363.1111005-40.14                       | 632.1111007-214    |
| Д260.9С   | PP6M10P1f-4234 | —                                       | 632.1111007-29     |
| Д260.xx   | PP6M10P1f-4235 | —                                       | —                  |
| Д260.14   | PP6M10P1f-4236 | 363.1111005-40.14                       | 632.1111007-214    |
| Д260.1    | PP6M10P1f-4241 | 363.1111005-40.01                       | —                  |
| Д260.1    | PP6M10P1f-4243 | 363.1111005-40.01                       | —                  |
| Д260.9С   | PP6M10P1f-4245 | —                                       | 632.1111007-29     |
| Д260.4С   | PP6M10P1f-4248 | 363.1111005-40.04                       | 632.1111007-24     |
| Д266.4    | PP6M10P1f-4260 | 366.1111005-01/01Э/01Э2                 | 632.1111007-140    |
| Д245.9Е2  | PP4M10P1i-3527 | 773.1111005-20.06/20.06Э/20.06Э2/20.06П | 432.1111007-240    |
| Д245.7Е2  | PP4M10P1i-3530 | 773.1111005-20.05/20.05Э/20.05Э2/20.05П | 432.1111007-270    |
| Д245.30Е2 | PP4M10P1i-3532 | 773.1111005-20.07/20.07Э/20.07Э2        | 432.1111007-280    |
| Д245.5S2  | PP4M10P1i-3701 | 773.1111005-40.02                       | 432.1111007-250    |
| Д245.43S2 | PP4M10P1i-3703 | 773.1111005-40.09/40.09Э2               | 432.1111007-230    |
| Д245.2S2  | PP4M10P1i-3704 | 773.1111005-07Т/07ТЭ                    | 432.1111007-210    |
| Д245.S2   | PP4M10P1i-3705 | 773.1111005-01Т/01ТЭ/01ТЭ2/011ТЭ2       | 432.1111007-200    |



| Engine      | MOTORPAL       | OJSC "YaZDA"                                     | OJSC "NZTA"     |
|-------------|----------------|--|-----------------|
| Двигатель   | АО "МОТОРПАЛ"  | ОАО "ЯЗДА"                                       | ОАО "НЗТА"      |
| Д245.2S3AM  | PP4M10U1i-3793 | —  | —               |
| Д245.S3AM   | PP4M10U1i-3794 | —  | —               |
| Д245.S53AM  | PP4M10U1i-3795 | —  | —               |
| Д245.4S53AM | PP4M10U1i-3796 | —  | —               |
| Д245.9E2    | PP4M10P1i-4336 | 773.1111005-20.06/20.063/20.0632/20.06132/20.06П | 432.1111007-240 |
| Д245.43S2   | PP4M10P1i-4339 | 773.1111005-40.09/40.0932                        | 432.1111007-230 |
| Д245.2S2    | PP4M10P1i-4340 | 773.1111005-07T/07T3                             | 432.1111007-210 |
| Д245.7E2    | PP4M10P1i-4342 | 773.1111005-20.05/20.053/20.0532/20.05П          | 432.1111007-270 |
| Д245.S2     | PP4M10P1i-4343 | 773.1111005-01T/01T3/01T32/01T32                 | 432.1111007-200 |
| Д245.43S2   | PP4M10P1i-4344 | 773.1111005-40.09/40.0932                        | 432.1111007-230 |
| Д245.2S2    | PP4M10P1i-4358 | 773.1111005-07T/07T3                             | 432.1111007-210 |
| Д245.30E2   | PP4M10P1i-4360 | 773.1111005-20.07/20.073/20.0732                 | 432.1111007-280 |
| Д245.7E2    | PP4M10P1i-4361 | 773.1111005-20.05/20.053/20.0532/20.05П          | 432.1111007-270 |
| Д245.7E2    | PP4M10P1i-4362 | 773.1111005-20.05/20.053/20.0532/20.05П          | 432.1111007-270 |
| Д245.9E2    | PP4M10P1i-4363 | 773.1111005-20.06/20.063/20.0632/20.06132/20.06П | 432.1111007-240 |
| Д245.9E2    | PP4M10P1i-4364 | 773.1111005-20.06/20.063/20.0632/20.06132/20.06П | 432.1111007-240 |
| Д245.9E2    | PP4M10P1i-4365 | 773.1111005-20.06/20.063/20.0632/20.06132/20.06П | 432.1111007-240 |
| Д245.S52    | PP4M10P1i-4376 | 773.1111005-40.02                                | 432.1111007-250 |
| Д245.30E2   | PP4M10P1i-4393 | 773.1111005-20.07/20.073/20.0732                 | 432.1111007-280 |
| Д260.5E2    | PP6M10P1i-3535 | 363.1111005-41.06                                | 632.1111007-25  |
| Д260.4S2    | PP6M10P1i-3707 | 363.1111005-40.04T                               | 632.1111007-34  |
| Д2609.S2    | PP6M10P1i-3708 | 363.1111005-40.09T                               | 632.1111007-39  |
| Д260.1S2    | PP6M10P1i-3709 | 363.1111005-40.01T                               | 632.1111007-30  |
| Д260.14S2   | PP6M10P1i-3710 | 363.1111005-40.14T                               | 632.1111007-314 |
| Д260.2S2    | PP6M10P1i-3711 | 363.1111005-40.02T                               | 632.1111007-32  |
| Д260.7S2    | PP6M10P1i-3712 | —  | 632.1111007-37  |
| Д260.16     | PP6M10P1i-3754 | —  | —               |
| Д260.16     | PP6M10P1i-4301 | —  | —               |
| Д262.2S2    | PP6M10P1i-4320 | —  | 632.1111007-222 |
| Д262.1S2    | PP6M10P1i-4321 | —  | —               |
| Д262.S2     | PP6M10P1i-4322 | —  | —               |
| Д260.1S2    | PP6M10P1i-4323 | 363.1111005-40.01T                               | 632.1111007-30  |

| Engine     | MOTORPAL       | OJSC "YaZDA"       | OJSC "NZTA"      |
|------------|----------------|--------------------|------------------|
| Двигатель  | АО "МОТОРПАЛ"  | ОАО "ЯЗДА"         | ОАО "НЗТА"       |
| Д260.9S2   | PP6M10P1i-4324 | 363.1111005-40.09T | 632.1111007-39   |
| Д260.12E2  | PP6M10P1i-4325 | 363.1111005-41.07  | 632.1111007-212  |
| Д267       | PP6M10P1i-4326 | —                  | —                |
| Д260.7S2   | PP6M10P1i-4330 | —                  | 632.1111007-37   |
| Д260.4S2   | PP6M10P1i-4341 | 363.1111005-40.04T | 632.1111007-34   |
| Д260.14S2  | PP6M10P1i-4345 | 363.1111005-40.14T | 632.1111007-314  |
| Д260.2S2   | PP6M10P1i-4359 | 363.1111005-40.04T | 632.1111007-32   |
| Д260.1S2   | PP6M10P1i-4399 | 363.1111005-40.01T | 632.1111007-30   |
| Д243.C     | PP4M9P1g-4201  | 772.1111005        | УТНИ-1111007-620 |
| Д120       | PP2M10P1f-4246 | —                  | —                |
| Д120       | PP2M10P1f-4249 | —                  | —                |
| Д120       | PP2M10P1f-4250 | —                  | —                |
| Д120       | PP2M10P1f-4251 | —                  | —                |
| Д130       | PP3M10P1f-4209 | —                  | —                |
| Д130       | PP3M10P1f-4210 | —                  | —                |
| Д144-305   | PP4M10P1f-4206 | —                  | —                |
| Д144-315   | PP4M10P1f-4207 | —                  | —                |
| Д145T      | PP4M10P1f-4208 | —                  | —                |
| Д144-325   | PP4M10P1f-4216 | —                  | —                |
| Д145T      | PP4M10P1f-4247 | —                  | —                |
| A 41       | PP4M10P1f-4202 | —                  | —                |
| SMD 18N    | PP4M10P1f-4214 | —                  | —                |
| SMD 14N    | PP4M10P1f-4215 | —                  | —                |
| SMD 21, 22 | PP4M10P1f-4271 | —                  | —                |
| SMD 31T    | PP6M10P1f-4232 | —                  | —                |
| A-41-CI-01 | PP4M10P1i-4379 | —                  | —                |

**Cross reference chart of Motorpal replacements for injectors of other manufacturers.**

**Таблица взаимозаменяемость форсунок АО "Моторпал" с другими производителями.**

| MOTORPAL      | OJSC "YaZDA"   | CJSC "AZTN"       |
|---------------|----------------|-------------------|
| АО "МОТОРПАЛ" | ОАО "ЯЗДА"     | ЗАО "АЗТН"        |
| VA70P360-2994 | 445.1112010-50 | 172.1112010-11.01 |
| VA70P360-2995 | 445.1112010-60 | 172.1112010-11.02 |

**Cross reference chart of Motorpal replacements for inj.nozzles of other manufacturers.**

**Таблица взаимозаменяемость распылителей АО "Моторпал" с другими производителями.**

| MOTORPAL        | OJSC "YaZDA"   | OJSC "NZTA"   | CJSC "AZPI"       |
|-----------------|----------------|---------------|-------------------|
| АО "МОТОРПАЛ"   | ОАО "ЯЗДА"     | ОАО "НЗТА"    | ЗАО "АЗПИ"        |
| DOP122S532-4164 | 176.1112110-60 | 14.1112110-02 | 6A1-20C2-50       |
| DOP135S333-4162 | 33.1112110-260 | 16.1112110    | 6A1-20C2-16       |
| DOP154S435-4159 | 33.1112110-80  | 116.1112110   | 6A1-20C2          |
| DOP154S434-4160 | 26.1112110-01  | 26.1112110H   | 026.1112110       |
| DOP154S438-4161 | 261.1112110-01 | 261.1112110H  | 0261.1112110      |
| DOP122S535-4166 | 176.1112110-50 | 145.1112110   | 6A1-20C2-50.01    |
| DOP122S531-4167 | 176.1112110-50 | —             | 171.1112110-01    |
| DOP149S430-4170 | 33.1112110-12  | 33.1112110H   | A-01-008-00-00-00 |