**DEMARREUR PL MAN,HANOMAG**

Remanufactured

Core code : 06

FAHADF

3599771312223



## TECHNICAL DATA

| | |
|---|---|
| Voltage [V] | **24 V** |
| Rated Power [kW] | **6.6 kW** |
| Number of mounting bores | **3** |
| Number of Teeth | **9** |
| Fiche | **SOL16** |
| Rotation Direction | **Clockwise rotation** |

## PICTURES



Before installation, compare the part received with the original part to ensure that the correct part number has been selected and can be installed on the vehicle. Failure to follow those, or the manufacturer, instructions will void the warranty.

| MAN | | |
|---|---|---|
| F2000 - 27.403 DFC | 400 ch | 01.1994 > |
| F2000 - 27.403 DFS | 400 ch | 01.1994 > |
| F2000 - 27.403 DFK, DFK-KI, DFK-L, DF-KI | 400 ch | 01.1994 > |
| F2000 - 27.403 DFAC | 400 ch | 01.1994 > |
| F2000 - 27.403 DFAK, DFA-KI, DFAK-L | 400 ch | 01.1994 > |
| F90 - 19.262 F,19.262 FL,19.262 FLL | 260 ch | 01.1988 > 02.1990 |
| F90 - 19.262 FA | 260 ch | 02.1989 > 02.1990 |
| F90 - 19.262 FS,19.262 FLS,19.262 FLLS | 260 ch | 01.1988 > 02.1990 |
| F90 - 19.262 FAS | 260 ch | 02.1989 > 02.1990 |
| F90 - 19.262 FK | 260 ch | 01.1988 > 02.1990 |
| F90 - 19.262 FAK | 260 ch | 02.1989 > 02.1990 |
| F90 - 19.272 F,19.272 FL,19.272 FLL | 269 ch | 02.1990 > 05.1995 |
| F90 - 19.272 FA | 269 ch | 02.1990 > 05.1995 |
| F90 - 19.272 FS,19.272 FLS,19.272 FLLS | 269 ch | 02.1990 > 05.1995 |
| F90 - 19.272 FAS | 269 ch | 02.1990 > 05.1995 |
| F90 - 19.272 FK | 269 ch | 02.1990 > 05.1995 |
| F90 - 19.272 FAK | 269 ch | 02.1990 > 05.1995 |
| F90 - 19.322 F,19.322 FL,19.322 FLL | 320 ch | 02.1990 > 05.1995 |
| F90 - 19.322 FA | 320 ch | 02.1990 > 06.1996 |
| F90 - 19.322 FS,19.322 FLS,19.322 FLLS | 320 ch | 02.1990 > 05.1995 |
| F90 - 19.322 FAS | 320 ch | 02.1990 > 06.1996 |
| F90 - 19.322 FK | 320 ch | 02.1990 > 05.1995 |
| F90 - 19.322 FAK | 320 ch | 02.1990 > 06.1996 |
| F90 - 19.342 F,19.342 FL,19.342 FLL | 340 ch | 05.1994 > 05.1995 |
| F90 - 19.342 FA | 340 ch | 05.1994 > 06.1996 |
| F90 - 19.342 FS,19.342 FLS,19.342 FLLS | 340 ch | 05.1994 > 05.1995 |
| F90 - 19.342 FAS | 340 ch | 05.1994 > 06.1996 |
| F90 - 19.342 FK | 340 ch | 05.1994 > 05.1995 |
| F90 - 19.342 FAK | 340 ch | 05.1994 > 06.1996 |
| F90 - 24.262 DF | 260 ch | 01.1988 > 02.1990 |
| F90 - 24.262 DFS,24.262 DFLS | 260 ch | 01.1988 > 02.1990 |
| F90 - 24.262 DFK | 260 ch | 01.1988 > 02.1990 |
| F90 - 24.262 FNL,24.262 FNLL,24.262 FVL | 260 ch | 01.1988 > 02.1990 |
| F90 - 24.272 DF | 269 ch | 02.1990 > 12.1990 |
| F90 - 24.272 DFS,24.272 DFLS | 269 ch | 02.1990 > 04.1995 |
| F90 - 24.272 FNL,24.272 FNLL,24.272 FVL | 269 ch | 02.1990 > 05.1995 |
| F90 - 24.272 FNLS,24.272 FVLS | 269 ch | 02.1990 > 05.1995 |
| F90 - 24.272 DFK | 269 ch | 02.1990 > 12.1990 |
| F90 - 24.322 DF | 320 ch | 02.1990 > 12.1990 |
| F90 - 24.322 DFS,24.322 DFLS | 320 ch | 02.1990 > 12.1990 |
| F90 - 24.322 DFK | 320 ch | 02.1990 > 12.1990 |
| F90 - 24.322 FNL,24.322 FNLL,24.322 FVL | 320 ch | 02.1990 > 05.1995 |
| F90 - 24.322 FNLS,24.322 FVLS | 320 ch | 02.1990 > 05.1995 |
| F90 - 24.342 FNL,24.342 FNLL | 340 ch | 05.1994 > 05.1995 |
| F90 - 25.272 DF | 269 ch | 09.1990 > 12.1992 |
| F90 - 25.272 DFS,25.272 DFLS | 269 ch | 09.1990 > 12.1992 |
| F90 - 25.272 DFK | 269 ch | 09.1990 > 12.1992 |
| F90 - 25.272 FNL,25.272 FNLL,25.272 FVL | 269 ch | 09.1990 > 10.1993 |
| F90 - 25.322 DF, 25.322 DFL | 320 ch | 09.1990 > 12.1992 |
| F90 - 25.322 DFS, 25.322 DFLS | 320 ch | 09.1990 > 12.1992 |
| F90 - 25.322 DFK | 320 ch | 09.1990 > 12.1992 |

| MAN | | |
|---|---|---|
| F90 - 25.322 FNL, 25.322 FNLL, 25.322 FVL | 320 ch | 09.1990 > 12.1992 |
| F90 - 25.322 FNLS,25.322 FVLS | 320 ch | 09.1990 > 12.1992 |
| F90 - 26.262 DF | 260 ch | 01.1988 > 02.1990 |
| F90 - 26.262 DFS | 260 ch | 01.1988 > 02.1990 |
| F90 - 26.262 DFK | 260 ch | 01.1988 > 02.1990 |
| F90 - 26.262 DFA | 260 ch | 02.1989 > 02.1990 |
| F90 - 26.262 DFAS | 260 ch | 02.1989 > 02.1990 |
| F90 - 26.262 DFAK | 260 ch | 02.1989 > 02.1990 |
| F90 - 26.272 DF | 269 ch | 02.1990 > 06.1996 |
| F90 - 26.272 DFS,26.272 DFLS | 269 ch | 02.1990 > 06.1996 |
| F90 - 26.272 DFK | 269 ch | 02.1990 > 06.1996 |
| F90 - 26.272 DFA | 269 ch | 02.1990 > 12.1992 |
| F90 - 26.272 DFAS | 269 ch | 02.1990 > 12.1992 |
| F90 - 26.272 DFAK | 269 ch | 02.1990 > 12.1992 |
| F90 - 26.272 FNL,26.272 FNLL | 269 ch | 03.1991 > 05.1995 |
| F90 - 26.272 FNLS,26.272 FVLS | 269 ch | 09.1990 > 12.1995 |
| F90 - 26.322 DF | 320 ch | 02.1990 > 06.1996 |
| F90 - 26.322 DFS,26.322 DFLS | 320 ch | 02.1990 > 06.1996 |
| F90 - 26.322 DFK | 320 ch | 02.1992 > 06.1996 |
| F90 - 26.322 DFA | 320 ch | 02.1990 > 12.1992 |
| F90 - 26.322 DFAS | 320 ch | 02.1990 > 12.1992 |
| F90 - 26.322 DFAK | 320 ch | 02.1990 > 12.1992 |
| F90 - 26.322 FNL,26.322 FNLL | 320 ch | 03.1991 > 05.1995 |
| F90 - 26.322 FNLS,26.322 FVLS | 320 ch | 09.1990 > 12.1995 |
| F90 - 26.342 DF,26.342 DFL | 340 ch | 05.1994 > 06.1996 |
| F90 - 26.342 DFS | 340 ch | 04.1994 > 06.1996 |
| F90 - 26.342 DFK,26.342 DFLK | 340 ch | 05.1994 > 06.1996 |
| F90 - 32.262 VF | 260 ch | 02.1989 > 02.1990 |
| F90 - 32.262 VFK | 260 ch | 02.1989 > 02.1990 |
| F90 - 32.262 VFTM | 260 ch | 02.1989 > 02.1990 |
| F90 - 32.272 VFK | 269 ch | 02.1990 > 04.1995 |
| F90 - 32.272 VF | 269 ch | 02.1990 > 04.1995 |
| F90 - 32.322 VF | 320 ch | 02.1990 > 06.1996 |
| F90 - 32.322 VFK | 320 ch | 02.1990 > 06.1996 |
| F90 - 32.342 VFK | 340 ch | 05.1994 > 06.1996 |
| F90 - 33.262 DF | 260 ch | 08.1988 > 02.1990 |
| F90 - 33.262 DFA | 260 ch | 07.1989 > 02.1990 |
| F90 - 33.262 DFK | 260 ch | 08.1988 > 02.1990 |
| F90 - 33.262 DFAK | 260 ch | 07.1989 > 02.1990 |
| F90 - 33.272 DF | 269 ch | 10.1992 > 04.1995 |
| F90 - 33.272 DFA | 269 ch | 10.1992 > 04.1995 |
| F90 - 33.322 DF | 320 ch | 09.1991 > 06.1996 |
| F90 - 33.322 DFA | 320 ch | 09.1991 > 06.1996 |
| F90 - 33.342 DF | 340 ch | 05.1994 > 06.1996 |
| F90 - 33.342 DFA | 340 ch | 05.1994 > 06.1996 |
| F90 - 35.262 VF | 260 ch | 02.1989 > 02.1990 |
| F90 - 35.262 VFK | 260 ch | 02.1989 > 02.1990 |
| F90 - 35.262 VFA | 260 ch | 07.1989 > 02.1990 |
| F90 - 35.272 VF | 269 ch | 02.1990 > 12.1991 |
| F90 - 35.272 VFK | 269 ch | 02.1990 > 12.1992 |
| F90 - 35.322 VK | 320 ch | 02.1990 > 06.1996 |

| MAN | | |
|---|---|---|
| F90 - 35.322 VFK | 320 ch | 02.1990 > 06.1996 |
| | 320 ch | 02.1990 > 06.1996 |
| F90 - 35.322 VFAK | 320 ch | 02.1990 > 06.1996 |
| F90 - 35.342 VF | 340 ch | 05.1994 > 06.1996 |
| F90 - 35.342 VFK | 340 ch | 05.1994 > 06.1996 |
| F90 - 41.262 VF | 260 ch | 07.1989 > 02.1990 |
| F90 - 41.262 VFK | 260 ch | 07.1989 > 02.1990 |
| F90 - 41.272 VF | 269 ch | 02.1990 > 12.1991 |
| F90 - 41.322 VF | 320 ch | 02.1990 > 06.1996 |
| F90 - 41.342 VF | 340 ch | 05.1994 > 06.1996 |
| F90 Unterflur - 19.322 U, 19.322 UL, 19.322 ULL | 320 ch | 02.1990 > 05.1994 |
| F90 Unterflur - 19.372 U,19.372 ULL | 370 ch | 02.1990 > 05.1994 |
| F90 Unterflur - 24.322 UNL,24.322 UNLL | 320 ch | 02.1990 > 12.1990 |
| F90 Unterflur - 25.322 UNL,25.322 UNLL | 320 ch | 09.1990 > 12.1992 |
| F90 Unterflur - 26.322 UNL,26.322 UNLL | 320 ch | 09.1990 > 05.1994 |
| M90 - 17.272 FLS | 269 ch | 09.1991 > 05.1995 |
| LION´S COACH - FRH 352,RH 353 | 350 ch | 06.1996 > 10.2001 |
| LION´S COACH - FRH 402,RH 403 | 400 ch | 09.1995 > |
| LION´S COACH - RH 403 | 400 ch | 09.1998 > |
| LION´S COACH - RHC 414 | 410 ch | 06.2002 > |
| LION´S COMFORT - RN 313 | 310 ch | 09.1996 > |
| LION´S COMFORT - RN 353 | 350 ch | 06.1997 > |
| LION´S STAR - FRH 352,RH 353 | 350 ch | 09.1995 > 02.2002 |
| LION´S STAR - FRH 402,RH 403 | 400 ch | 09.1995 > 10.2001 |
| LION´S STAR - FRH 422 | 420 ch | 01.1993 > 09.1996 |
| LION´S STAR - RH 464, RHS 464 | 460 ch | 06.2000 > 04.2007 |
| EL - EL 262 | 260 ch | 07.1998 > 02.2001 |
| NG - NG 262 | 260 ch | 06.1997 > 07.1998 |
| NG - NG 262, NG 263 | 260 ch | 07.1998 > |
| NG - NG 312 | 310 ch | 09.1995 > 07.1998 |
| NG - NG 312, NG 313 | 310 ch | 07.1998 > |
| NL - NL 262 | 260 ch | 06.1997 > |
| NL - NL 262, NL 263 | 260 ch | 07.1998 > |
| NL - NL 312 | 310 ch | 11.1995 > 07.1998 |
| NL - NL 313 | 310 ch | 07.1998 > |
| NÜ - NÜ 263 | 260 ch | 09.1996 > 07.1998 |
| | 260 ch | 07.1998 > |
| NÜ - NÜ 313 | 310 ch | 07.1998 > |
| NÜ - NÜ 313 15M | 310 ch | 07.1998 > |
| NÜ - NÜ 353 15M | 350 ch | 07.1998 > |
| R - R 292, FR 292, FRH 292 | 290 ch | 05.1985 > 01.1993 |
| SD - SD 200 | 175 ch | 04.1974 > 09.1975 |
| | 192 ch | 04.1974 > 09.1975 |
| SG - SG 242,SG 292 | 305 ch | 09.1985 > 04.1994 |
| SG - SG 312,SG 322 | 310 ch | 02.1994 > 06.1997 |
| ÜL - ÜL 272 | 270 ch | 03.1993 > |
| ÜL - ÜL 313 | 310 ch | 09.1996 > |
| ÜL - ÜL 353 | 350 ch | 06.1997 > |

| MERCEDES-BENZ | | |
|---|---|---|
| CITARO (O 530) - Citaro N | 252 ch | 01.1998 > |

| MERCEDES-BENZ | | |
|---|---|---|
| CITARO (O 530) - Citaro NG | 252 ch | 06.2000 > |
| CITARO (O 530) - Citaro N, Citaro MUE | 299 ch | 01.1998 > |
| CITARO (O 530) - Citaro NG | 326 ch | 04.2000 > |
| CITARO (O 530) - Citaro G | 252 ch | 01.1998 > |
| CITARO (O 530) - Citaro GNG | 326 ch | 04.2000 > |
| NG - 1219 | 192 ch | 09.1975 > 09.1984 |
| NG - 1219 A | 192 ch | 09.1975 > 12.1982 |
| NG - 1219 S | 192 ch | 09.1975 > 09.1984 |
| NG - 1219 F | 192 ch | 09.1975 > 09.1984 |
| NG - 1219 AF | 192 ch | 09.1975 > 09.1984 |
| NG - 1219 K | 192 ch | 09.1975 > 09.1984 |
| NG - 1219 AK | 192 ch | 09.1975 > 12.1984 |
| NG - 1419,1419 L | 192 ch | 08.1973 > 09.1996 |
| NG - 1419 S,1419 LS | 192 ch | 08.1973 > 09.1996 |
| NG - 1419 AS | 192 ch | 05.1975 > 12.1982 |
| NG - 1419 F | 192 ch | 05.1975 > 12.1982 |
| NG - 1419 K | 192 ch | 05.1975 > 12.1982 |
| NG - 1419 AK | 192 ch | 05.1975 > 12.1984 |
| NG - 1424,1424 L | 240 ch | 08.1973 > 09.1996 |
| NG - 1424 K | 240 ch | 07.1975 > 01.1987 |
| NG - 1424 F | 240 ch | 07.1975 > 01.1987 |
| NG - 1425 S,1425 LS | 250 ch | 08.1973 > 09.1996 |
| NG - 1619,1619 L | 192 ch | 08.1973 > 09.1996 |
| NG - 1619 S | 192 ch | 11.1974 > 12.1984 |
| NG - 1619 K | 192 ch | 11.1974 > 12.1982 |
| NG - 1619 AK | 192 ch | 11.1974 > 12.1982 |
| NG - 1619 KO | 192 ch | 11.1974 > 01.1987 |
| NG - 1622,1622 L | 216 ch | 08.1973 > 09.1996 |
| NG - 1622 S | 216 ch | 05.1982 > 03.1991 |
| NG - 1622 K | 216 ch | 05.1982 > 10.1989 |
| NG - 1622 AK | 216 ch | 05.1982 > 10.1989 |
| NG - 1624,1624 L | 240 ch | 08.1973 > 09.1996 |
| NG - 1624 S,1624 LS | 240 ch | 08.1973 > 09.1996 |
| NG - 1624 K | 240 ch | 07.1975 > 08.1982 |
| NG - 1625,1625 L | 250 ch | 08.1973 > 09.1996 |
| NG - 1625 S,1625 LS | 250 ch | 08.1973 > 09.1996 |
| NG - 1625 K | 250 ch | 05.1980 > 11.1989 |
| NG - 1625 AK | 250 ch | 10.1980 > 11.1989 |
| NG - 1626,1626 L | 256 ch | 08.1973 > 09.1996 |
| NG - 1626 S,1626 LS | 256 ch | 08.1973 > 09.1996 |
| NG - 1626 AS | 256 ch | 05.1974 > 12.1980 |
| NG - 1626 K | 256 ch | 08.1973 > 12.1980 |
| NG - 1626 AK | 256 ch | 08.1973 > 12.1980 |
| NG - 1628,1628 L | 280 ch | 08.1973 > 09.1996 |
| NG - 1628 A | 280 ch | 01.1980 > 05.1989 |
| NG - 1628 S,1628 LS | 280 ch | 08.1973 > 09.1996 |
| NG - 1719 | 192 ch | 09.1973 > 08.1982 |
| NG - 1719 S | 192 ch | 09.1973 > 08.1982 |
| NG - 1719 K | 192 ch | 09.1973 > 08.1982 |
| NG - 1719 AK | 192 ch | 09.1973 > 08.1982 |
| NG - 1919 | 192 ch | 05.1974 > 08.1982 |

| MERCEDES-BENZ | | |
|---|---|---|
| NG - 1919 S | 192 ch | 05.1974 > 08.1982 |
| NG - 1919 K | 192 ch | 05.1974 > 08.1982 |
| NG - 1919 AK | 192 ch | 05.1974 > 08.1982 |
| NG - 1922 | 216 ch | 10.1981 > 10.1990 |
| NG - 1922 S | 216 ch | 10.1981 > 03.1991 |
| NG - 1922 K | 216 ch | 10.1981 > 03.1991 |
| NG - 1922 AK | 216 ch | 10.1981 > 03.1991 |
| NG - 1926 | 256 ch | 05.1974 > 12.1980 |
| NG - 1926 A | 256 ch | 05.1974 > 12.1980 |
| NG - 1926 S,1926 LS | 256 ch | 08.1973 > 09.1996 |
| NG - 1926 AS | 256 ch | 05.1974 > 12.1980 |
| NG - 1926 K | 256 ch | 08.1973 > 12.1980 |
| NG - 1926 AK | 256 ch | 08.1973 > 12.1980 |
| NG - 1928,1928 L | 280 ch | 08.1973 > 09.1996 |
| NG - 1928 A | 280 ch | 01.1980 > 03.1991 |
| NG - 1928 S,1928 LS | 280 ch | 08.1973 > 09.1996 |
| NG - 1928 AS | 280 ch | 01.1980 > 03.1991 |
| NG - 1928 K | 280 ch | 01.1980 > 03.1991 |
| NG - 1928 AK | 280 ch | 01.1980 > 03.1991 |
| NG - 2025 S | 250 ch | 08.1983 > 03.1991 |
| NG - 2026 S | 256 ch | 10.1976 > 10.1980 |
| NG - 2028 LS | 280 ch | 01.1980 > 06.1989 |
| NG - 2028 A | 280 ch | 01.1980 > 06.1989 |
| NG - 2219,2219 L | 192 ch | 08.1973 > 09.1996 |
| NG - 2219 | 192 ch | 06.1976 > 01.1987 |
| NG - 2219 K | 192 ch | 06.1976 > 01.1987 |
| NG - 2219 KO | 192 ch | 06.1976 > 01.1987 |
| NG - 2222,2222 L | 216 ch | 08.1973 > 09.1996 |
| NG - 2222 | 216 ch | 05.1982 > 03.1991 |
| NG - 2222 B | 216 ch | 05.1982 > 03.1991 |
| NG - 2222 K | 216 ch | 05.1982 > 03.1991 |
| NG - 2224 | 240 ch | 04.1976 > 12.1982 |
| | 240 ch | 04.1976 > 12.1982 |
| NG - 2224 S | 240 ch | 07.1976 > 12.1982 |
| NG - 2224 K | 240 ch | 04.1976 > 12.1982 |
| NG - 2224 B | 240 ch | 05.1975 > 03.1984 |
| NG - 2225 | 250 ch | 04.1985 > 03.1991 |
| NG - 2225 B | 250 ch | 08.1983 > 03.1991 |
| NG - 2226,2226 L | 256 ch | 08.1973 > 09.1996 |
| NG - 2226 | 256 ch | 09.1975 > 12.1980 |
| NG - 2226 S,2226 LS | 256 ch | 08.1973 > 09.1996 |
| NG - 2228,2228 L | 280 ch | 08.1973 > 09.1996 |
| NG - 2228 | 280 ch | 12.1979 > 03.1991 |
| NG - 2228 S | 280 ch | 12.1979 > 03.1991 |
| NG - 2238,2238 L | 375 ch | 08.1973 > 09.1996 |
| NG - 2626 | 256 ch | 06.1975 > 03.1981 |
| NG - 2626 S | 256 ch | 06.1975 > 03.1981 |
| NG - 2626 K | 256 ch | 08.1973 > 03.1981 |
| NG - 2626 B | 256 ch | 05.1974 > 12.1980 |
| NG - 2626 A | 256 ch | 06.1975 > 03.1981 |
| NG - 2626 AK | 256 ch | 08.1973 > 12.1981 |

| MERCEDES-BENZ | | |
|---|---|---|
| NG - 2626 AB | 256 ch | 05.1974 > 12.1980 |
| NG - 2628 | 280 ch | 02.1980 > 03.1991 |
| NG - 2628 S | 280 ch | 02.1980 > 03.1991 |
| NG - 2628 K | 280 ch | 02.1980 > 03.1991 |
| NG - 2628 B | 280 ch | 02.1980 > 08.1989 |
| NG - 2628 A | 280 ch | 02.1980 > 03.1991 |
| NG - 2628 AS | 280 ch | 02.1980 > 03.1991 |
| NG - 2628 AK | 280 ch | 02.1980 > 03.1991 |
| NG - 2638 | 375 ch | 01.1981 > 12.1986 |
| NG - 3025 K | 250 ch | 12.1985 > 07.1987 |
| NG - 3025 B | 250 ch | 12.1985 > 07.1987 |
| NG - 3028 K | 280 ch | 12.1985 > 07.1987 |
| NG - 3028 B | 280 ch | 12.1985 > 07.1987 |
| NG - 3036 | 355 ch | 11.1981 > 03.1991 |
| NG - 3038 | 375 ch | 01.1981 > 12.1986 |
| NG - 3328 K | 280 ch | 07.1982 > 07.1987 |
| NG - 3328 B | 280 ch | 07.1982 > 07.1987 |
| NG - 3333 | 330 ch | 12.1982 > 11.1991 |
| NG - 3333 K | 330 ch | 12.1982 > 11.1991 |
| NG - 3333 B | 330 ch | 12.1982 > 11.1991 |
| O 303 - O 303 | 192 ch | 10.1974 > 06.1983 |
| | 216 ch | 01.1980 > 09.1992 |
| | 192 ch | 10.1974 > 06.1983 |
| | 216 ch | 01.1980 > 09.1992 |
| | 250 ch | 11.1985 > 04.1989 |
| | 192 ch | 10.1974 > 06.1983 |
| | 256 ch | 03.1975 > 06.1983 |
| | 216 ch | 01.1980 > 01.1989 |
| | 280 ch | 01.1980 > 09.1987 |
| | 216 ch | 01.1980 > 09.1992 |
| | 280 ch | 01.1980 > 09.1987 |
| | 330 ch | 08.1980 > 09.1987 |
| O 407 - O 407 | 299 ch | 11.1991 > 11.2001 |