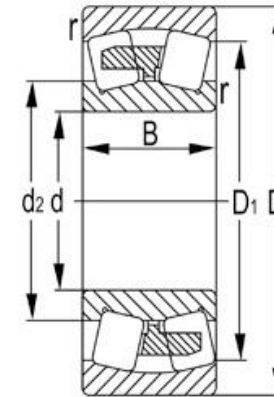


**Spherical roller bearing**



| Bearing Numbers |           | Boundary dimensions(mm) |     |      |                      | Basic load rating(kN) |     | Limiting speed(rpm) |      | Abutment and fillet dimensions(mm) |                    |                    | Value |                |                | Weight(kg)     |       |
|-----------------|-----------|-------------------------|-----|------|----------------------|-----------------------|-----|---------------------|------|------------------------------------|--------------------|--------------------|-------|----------------|----------------|----------------|-------|
| New             | Old       | d                       | D   | B    | r <sub>1, 2min</sub> | Cr                    | Cor | Grease              | Oil  | d <sub>a min</sub>                 | D <sub>a max</sub> | r <sub>a max</sub> | e     | Y <sub>1</sub> | Y <sub>2</sub> | Y <sub>0</sub> | Refer |
| 24018CAX3       |           | 90                      | 150 | 72   | 3                    | 345                   | 550 | 2300                | 3000 | 94                                 | 142                | 2.5                | 0.46  | 2.2            | 2.2            | 1.43           | 4.94  |
| 24018CAX3/W20   |           | 90                      | 150 | 72   | 3                    | 345                   | 550 | 2300                | 3000 | 94                                 | 142                | 2.5                | 0.46  | 2.2            | 2.2            | 1.43           | 4.94  |
| 23020CA/W33     | 3053120KH | 100                     | 150 | 37   | 1.5                  | 212                   | 335 | 2200                | 2800 | 109                                | 141                | 1.5                | 0.22  | 3.1            | 4.6            | 3              | 2.31  |
| 24020CA/W33     | 4053120KH | 100                     | 150 | 50   | 1.5                  | 276                   | 470 | 1800                | 2400 | 109                                | 141                | 1.5                | 0.3   | 2.3            | 3.4            | 2.2            | 3.08  |
| 23120CA/W33     | 3053720KH | 100                     | 165 | 52   | 2                    | 345                   | 530 | 1700                | 2200 | 110                                | 155                | 2                  | 0.3   | 2.3            | 3.4            | 2.2            | 4.38  |
| 24120CA/W33     | 4053720KH | 100                     | 165 | 65   | 2                    | 345                   | 535 | 1600                | 2200 | 110                                | 155                | 2                  | 0.35  | 1.9            | 2.9            | 1.9            | 5.42  |
| 24120CAX1       |           | 100                     | 170 | 65   | 2                    | 355                   | 520 | 1600                | 2200 | 110                                | 155                | 2                  | 0.37  | 1.82           | 2.7            | 1.78           | 6.21  |
| 22220CA/W33     | 53520KH   | 100                     | 180 | 46   | 2.1                  | 365                   | 490 | 2400                | 3200 | 112                                | 168                | 2                  | 0.24  | 2.9            | 4.3            | 2.8            | 4.84  |
| 23220CA/W33     | 3053220KH | 100                     | 180 | 60.3 | 2.1                  | 420                   | 605 | 1600                | 2200 | 112                                | 168                | 2                  | 0.32  | 2.1            | 3.2            | 2.1            | 6.6   |
| 22320CA/W33     | 53620KH   | 100                     | 215 | 73   | 3                    | 690                   | 930 | 1900                | 2400 | 114                                | 201                | 2.5                | 0.33  | 2              | 3              | 2              | 12.7  |
| 23022CA/W33     | 3053122KH | 110                     | 170 | 45   | 2                    | 293                   | 465 | 2000                | 2400 | 120                                | 160                | 2                  | 0.24  | 2.8            | 4.2            | 2.8            | 3.76  |
| 24022CA/W33     | 4053122KH | 110                     | 170 | 60   | 2                    | 380                   | 645 | 1600                | 2200 | 120                                | 160                | 2                  | 0.32  | 2.1            | 3.1            | 2.1            | 4.96  |
| 24022CC/W33     |           | 110                     | 170 | 60   | 2                    | 380                   | 645 | 1600                | 2200 | 120                                | 160                | 2                  | 0.32  | 2.1            | 3.1            | 2.1            | 4.96  |
| 23122CA/W33     | 3053722KH | 110                     | 180 | 56   | 2                    | 385                   | 630 | 1600                | 2000 | 120                                | 170                | 2                  | 0.28  | 2.4            | 3.5            | 2.3            | 5.7   |

| Bearing Numbers |           | Boundary dimensions(mm) |     |      |                      | Basic load rating(kN) |      | Limiting speed(rpm) |      | Abutment and fillet dimensions(mm) |                    |                    | Value |                |                | Weight(kg)     |       |
|-----------------|-----------|-------------------------|-----|------|----------------------|-----------------------|------|---------------------|------|------------------------------------|--------------------|--------------------|-------|----------------|----------------|----------------|-------|
| New             | Old       | d                       | D   | B    | r <sub>1, 2min</sub> | Cr                    | Cor  | Grease              | Oil  | d <sub>a min</sub>                 | D <sub>a max</sub> | r <sub>a max</sub> | e     | Y <sub>1</sub> | Y <sub>2</sub> | Y <sub>0</sub> | Refer |
|                 | 3203722   | 110                     | 180 | 56   | 2                    | 385                   | 630  | 1600                | 2000 | 120                                | 170                | 2                  | 0.28  | 2.4            | 3.5            | 2.3            | 5.7   |
| 24122CA/W33     | 4053722KH | 110                     | 180 | 69   | 2                    | 460                   | 750  | 1600                | 2000 | 120                                | 170                | 2                  | 0.36  | 1.9            | 2.8            | 1.8            | 6.84  |
| 24122CC/W33     |           | 110                     | 180 | 69   | 2                    | 460                   | 750  | 1600                | 2000 | 120                                | 170                | 2                  | 0.36  | 1.9            | 2.8            | 1.8            | 6.84  |
| 22222CA/W33     | 53522KH   | 110                     | 200 | 53   | 2.1                  | 485                   | 645  | 2200                | 2800 | 122                                | 188                | 2                  | 0.25  | 2.7            | 4              | 2.6            | 6.99  |
| 22222CAK        | 153522    | 110                     | 200 | 53   | 2.1                  | 485                   | 645  | 2200                | 2800 | 122                                | 188                | 2                  | 0.25  | 2.7            | 4              | 2.6            | 6.99  |
| 23222CA/W33     | 3053222KH | 110                     | 200 | 69.8 | 2.1                  | 515                   | 760  | 1500                | 1900 | 122                                | 188                | 2                  | 0.34  | 2              | 3              | 1.9            | 9.54  |
| 21322CA/W33     | 53322KH   | 110                     | 240 | 50   | 3                    | 450                   | 545  | 1300                | 1700 | 124                                | 226                | 2.5                | 0.22  | 3.1            | 4.6            | 3              | 11.2  |
| 22322CA/W33     | 53622KH   | 110                     | 240 | 80   | 3                    | 825                   | 1120 | 1700                | 2200 | 124                                | 226                | 2.5                | 0.33  | 2.1            | 3.1            | 2              | 17.6  |
| 23322BZD/C4/W33 |           | 110                     | 240 | 92.1 | 3                    | 840                   | 1000 | 1700                | 2200 | 124                                | 226                | 2.5                | 0.39  | 1.73           | 2.58           | 1.69           | 20.7  |
| 23024CA/W33     | 3053124KH | 120                     | 180 | 46   | 2                    | 315                   | 525  | 1800                | 2200 | 130                                | 170                | 2                  | 0.22  | 3              | 4.5            | 2.9            | 4.11  |
| 24024CA/W33     | 4053124KH | 120                     | 180 | 60   | 2                    | 395                   | 705  | 1500                | 2000 | 130                                | 170                | 2                  | 0.32  | 2.1            | 3.2            | 2.1            | 5.33  |
| 24024CC/W33     |           | 120                     | 180 | 60   | 2                    | 395                   | 705  | 1500                | 2000 | 130                                | 170                | 2                  | 0.32  | 2.1            | 3.2            | 2.1            | 5.33  |
| 23124CA/W33     | 3053724KH | 120                     | 200 | 62   | 2                    | 465                   | 720  | 1400                | 1800 | 130                                | 190                | 2                  | 0.29  | 2.4            | 3.5            | 2.3            | 7.85  |
| 24124CA/W33     | 4053724KH | 120                     | 200 | 80   | 2                    | 575                   | 950  | 1400                | 1800 | 130                                | 190                | 2                  | 0.37  | 1.8            | 2.7            | 1.8            | 10    |
| 22224CA/W33     | 53524KH   | 120                     | 215 | 58   | 2.1                  | 550                   | 765  | 2000                | 2600 | 132                                | 203                | 2                  | 0.25  | 2.7            | 3.9            | 2.6            | 8.8   |
| 23224CA/W33     | 3053224KH | 120                     | 215 | 76   | 2.1                  | 630                   | 970  | 1300                | 1700 | 132                                | 203                | 2                  | 0.34  | 2              | 2.9            | 1.9            | 12.1  |
| 23324CA/W33     |           | 120                     | 260 | 106  | 3                    | 1000                  | 1370 | 1300                | 1700 | 134                                | 246                | 2.5                | 0.32  | 2.1            | 3.1            | 2              | 29.1  |
| 23026CA/W33     | 3053126KH | 130                     | 200 | 52   | 2                    | 400                   | 655  | 1700                | 2000 | 140                                | 190                | 2                  | 0.23  | 2.9            | 4.3            | 2.8            | 5.98  |
| 24026CA/W33     | 4053126KH | 130                     | 200 | 69   | 2                    | 495                   | 865  | 1400                | 1800 | 140                                | 190                | 2                  | 0.31  | 2.2            | 3.2            | 2.1            | 7.84  |
| 24026CC/W33     |           | 130                     | 200 | 69   | 2                    | 495                   | 865  | 1400                | 1800 | 140                                | 190                | 2                  | 0.31  | 2.2            | 3.2            | 2.1            | 7.84  |
| 23126CA/W33     | 3053726KH | 130                     | 210 | 64   | 2                    | 505                   | 825  | 1300                | 1700 | 140                                | 200                | 2                  | 0.28  | 2.4            | 3.6            | 2.4            | 8.69  |
| 24126CA/W33     | 4053726KH | 130                     | 210 | 80   | 2                    | 590                   | 1010 | 1300                | 1700 | 140                                | 200                | 2                  | 0.35  | 1.9            | 2.9            | 1.9            | 10.7  |
| 22226CA/W33     | 53526KH   | 130                     | 230 | 64   | 3                    | 655                   | 940  | 1900                | 2400 | 144                                | 216                | 2.5                | 0.26  | 2.6            | 3.8            | 2.5            | 11    |
| 23226CA/W33     | 3053226KH | 130                     | 230 | 80   | 3                    | 700                   | 1080 | 1200                | 1600 | 144                                | 216                | 2.5                | 0.34  | 2              | 2.9            | 1.9            | 14.3  |
| 24226CA/W33     |           | 130                     | 230 | 100  | 3                    | 750                   | 1220 | 1100                | 1500 | 144                                | 216                | 2.5                | 0.45  | 1.5            | 2.2            | 1.5            | 17.6  |
| 22326CA/W33     | 53626KH   | 130                     | 280 | 93   | 4                    | 995                   | 1350 | 1300                | 1600 | 148                                | 262                | 3                  | 0.34  | 2              | 2.9            | 1.9            | 28.1  |
| 23326CA/W33     |           | 130                     | 280 | 112  | 4                    | 1120                  | 1560 | 1200                | 1600 | 148                                | 262                | 3                  | 0.45  | 1.5            | 2.3            | 1.5            | 35.5  |
| 23028CA/W33     | 3053128KH | 140                     | 210 | 53   | 2                    | 420                   | 715  | 1600                | 1900 | 150                                | 200                | 2                  | 0.22  | 3              | 4.5            | 2.9            | 6.49  |
| 24028CA/W33     | 4053128KH | 140                     | 210 | 69   | 2                    | 525                   | 945  | 1300                | 1700 | 150                                | 200                | 2                  | 0.29  | 2.3            | 3.4            | 2.2            | 8.37  |
| 24028CC/W33     |           | 140                     | 210 | 69   | 2                    | 525                   | 945  | 1300                | 1700 | 150                                | 200                | 2                  | 0.29  | 2.3            | 3.4            | 2.2            | 8.37  |
| 23128CA/W33     | 3053728KH | 140                     | 225 | 68   | 2.1                  | 580                   | 945  | 1200                | 1600 | 152                                | 213                | 2                  | 0.28  | 2.4            | 3.6            | 2.3            | 10.5  |
| 24128CA/W33     | 4053728KH | 140                     | 225 | 85   | 2.1                  | 670                   | 1160 | 1200                | 1600 | 152                                | 213                | 2                  | 0.35  | 1.9            | 2.9            | 1.9            | 13    |
| 22228CA/W33     | 53528KH   | 140                     | 250 | 68   | 3                    | 645                   | 930  | 1400                | 1700 | 154                                | 236                | 2.5                | 0.25  | 2.7            | 4              | 2.6            | 14.5  |
| 23228CA/W33     | 3053228KH | 140                     | 250 | 88   | 3                    | 835                   | 1300 | 1100                | 1500 | 154                                | 236                | 2.5                | 0.35  | 1.9            | 2.9            | 1.9            | 18.8  |
| 24228CA/W33     |           | 140                     | 250 | 109  | 3                    | 880                   | 1460 | 1000                | 1400 | 154                                | 236                | 2.5                | 0.46  | 1.5            | 2.2            | 1.4            | 24.2  |
| 22328CA/W33     | 53628KH   | 140                     | 300 | 102  | 4                    | 1160                  | 1590 | 1200                | 1500 | 158                                | 282                | 3                  | 0.35  | 1.9            | 2.9            | 1.9            | 35.4  |
| 23328CA/W33     |           | 140                     | 300 | 118  | 4                    | 1250                  | 1730 | 1100                | 1500 | 158                                | 282                | 3                  | 0.43  | 1.6            | 2.3            | 1.5            | 42.5  |
| 23930CA/W33     | 3053930KH | 150                     | 210 | 45   | 2                    | 334                   | 622  | 1500                | 1700 | 160                                | 200                | 2                  | 0.2   | 3.44           | 5.12           | 3.36           | 4.97  |
| 23030CA/W33     | 3053130KH | 150                     | 225 | 56   | 2.1                  | 470                   | 815  | 1400                | 1800 | 162                                | 213                | 2                  | 0.22  | 3.1            | 4.6            | 3              | 7.9   |
| 24030CA/W33     | 4053130KH | 150                     | 225 | 75   | 2.1                  | 590                   | 1090 | 1200                | 1500 | 162                                | 213                | 2                  | 0.3   | 2.3            | 3.4            | 2.2            | 10.5  |
| 24030CC/W33     |           | 150                     | 225 | 75   | 2.1                  | 590                   | 1090 | 1200                | 1500 | 162                                | 213                | 2                  | 0.3   | 2.3            | 3.4            | 2.2            | 10.5  |
| 23130CA/W33     | 3053730KH | 150                     | 250 | 80   | 2.1                  | 725                   | 1180 | 1100                | 1400 | 162                                | 238                | 2                  | 0.3   | 2.3            | 3.4            | 2.2            | 15.8  |
| 24130CA/W33     | 4053730KH | 150                     | 250 | 100  | 2.1                  | 890                   | 1530 | 1100                | 1400 | 162                                | 238                | 2                  | 0.38  | 1.8            | 2.6            | 1.7            | 19.8  |
| 24130CC/W33     |           | 150                     | 250 | 100  | 2.1                  | 890                   | 1530 | 1100                | 1400 | 162                                | 238                | 2                  | 0.38  | 1.8            | 2.6            | 1.7            | 19.8  |
| 22230CA/W33     | 53530KH   | 150                     | 270 | 73   | 3                    | 765                   | 1120 | 1300                | 1600 | 164                                | 256                | 2.5                | 0.26  | 2.6            | 3.9            | 2.5            | 18.4  |
| 23230CA/W33     | 3053230KH | 150                     | 270 | 96   | 3                    | 975                   | 1560 | 1100                | 1400 | 164                                | 256                | 2.5                | 0.35  | 1.9            | 2.9            | 1.9            | 24.2  |
| 24230CA/W33     |           | 150                     | 270 | 118  | 3                    | 1020                  | 1660 | 1000                | 1300 | 164                                | 256                | 2.5                | 0.46  | 1.5            | 2.2            | 1.4            | 30.5  |
| 22330CA/W33     | 53630KH   | 150                     | 320 | 108  | 4                    | 1220                  | 1690 | 1100                | 1400 | 168                                | 302                | 3                  | 0.35  | 1.9            | 2.9            | 1.9            | 41.5  |

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| Bearing Numbers |           | Boundary dimensions(mm) |     |     |                      | Basic load rating(kN) |      | Limiting speed(rpm) |      | Abutment and fillet dimensions(mm) |                    |                    | Value |                |                | Weight(kg)     |       |
|-----------------|-----------|-------------------------|-----|-----|----------------------|-----------------------|------|---------------------|------|------------------------------------|--------------------|--------------------|-------|----------------|----------------|----------------|-------|
| New             | Old       | d                       | D   | B   | r <sub>1, 2min</sub> | Cr                    | Cor  | Grease              | Oil  | d <sub>a min</sub>                 | D <sub>a max</sub> | r <sub>a max</sub> | e     | Y <sub>1</sub> | Y <sub>2</sub> | Y <sub>0</sub> | Refer |
| 23330CA/W33     |           | 150                     | 320 | 128 | 4                    | 1460                  | 2080 | 1000                | 1300 | 168                                | 302                | 3                  | 0.44  | 1.5            | 2.3            | 1.5            | 52.5  |
| 26/152.43CA/W33 |           | 152.434                 | 270 | 100 | 2.1                  | 852                   | 1425 | 1200                | 1600 | 165                                | 238                | 2                  | 0.37  | 1.8            | 2.7            | 1.8            | 19.5  |
| 26/152.43CA/W33 |           | 152.434                 | 270 | 86  | 2.1                  | 803                   | 1300 | 1300                | 1700 | 169                                | 258                | 2                  | 0.3   | 2.3            | 3.4            | 2.2            | 20.5  |
| 23932CA/W33     | 3053932KH | 160                     | 220 | 45  | 2                    | 360                   | 675  | 1400                | 1800 | 170                                | 210                | 2                  | 0.18  | 3.8            | 5.6            | 3.7            | 4.97  |
| 24932CA/W33     |           | 160                     | 220 | 60  | 2                    | 393                   | 807  | 1400                | 1800 | 170                                | 210                | 2                  | 0.24  | 2.8            | 4.2            | 2.8            | 6.85  |
| 23032CA/W33     | 3053132KH | 160                     | 240 | 60  | 2.1                  | 540                   | 955  | 1300                | 1700 | 172                                | 228                | 2                  | 0.22  | 3              | 4.5            | 2.9            | 9.66  |
| 24032CA/W33     | 4053132KH | 160                     | 240 | 80  | 2.1                  | 680                   | 1260 | 1100                | 1400 | 172                                | 228                | 2                  | 0.3   | 2.3            | 3.4            | 2.2            | 12.7  |
| 24032CC/W33     |           | 160                     | 240 | 80  | 2.1                  | 680                   | 1260 | 1100                | 1400 | 172                                | 228                | 2                  | 0.3   | 2.3            | 3.4            | 2.2            | 12.7  |
| 23132CA/W33     | 3053732KH | 160                     | 270 | 86  | 2.1                  | 855                   | 1400 | 1000                | 1300 | 172                                | 258                | 2                  | 0.3   | 2.3            | 3.4            | 2.2            | 20.3  |
| 24132CA/W33     | 4053732KH | 160                     | 270 | 109 | 2.1                  | 1040                  | 1760 | 1000                | 1300 | 172                                | 258                | 2                  | 0.39  | 1.7            | 2.6            | 1.7            | 25.4  |
| 22232CA/W33     | 53532KH   | 160                     | 290 | 80  | 3                    | 910                   | 1320 | 1200                | 1500 | 174                                | 276                | 2.5                | 0.26  | 2.6            | 3.8            | 2.5            | 23.1  |
| 23232CA/W33     | 3053232KH | 160                     | 290 | 104 | 3                    | 1100                  | 1770 | 1000                | 1200 | 174                                | 276                | 2.5                | 0.34  | 2              | 2.9            | 1.9            | 30.5  |
| 24232CA/W33     |           | 160                     | 290 | 128 | 3                    | 1120                  | 1800 | 950                 | 1300 | 174                                | 276                | 2.5                | 0.47  | 1.4            | 2.1            | 1.4            | 36    |
| 22332CA/W33     | 53632KH   | 160                     | 340 | 114 | 4                    | 1360                  | 1900 | 1100                | 1300 | 178                                | 322                | 3                  | 0.35  | 1.9            | 2.9            | 1.9            | 49.3  |
| 23332CA/W33     |           | 160                     | 340 | 136 | 4                    | 1630                  | 2240 | 1100                | 1300 | 178                                | 322                | 3                  | 0.44  | 1.5            | 2.3            | 1.5            | 61.5  |
| 26/165.13CA/W33 |           | 165.134                 | 310 | 110 | 4                    | 1159                  | 1830 | 950                 | 1300 | 183                                | 292                | 3                  | 0.35  | 1.9            | 2.9            | 1.8            | 37.5  |
| 23934BCA/W33    | 3053934KH | 170                     | 230 | 45  | 2                    | 350                   | 660  | 1400                | 1800 | 180                                | 220                | 2                  | 0.17  | 3.9            | 5.8            | 3.8            | 5.38  |
| 23034CA/W33     | 3053134KH | 170                     | 260 | 67  | 2.1                  | 640                   | 1090 | 1200                | 1600 | 182                                | 248                | 2                  | 0.23  | 2.9            | 4.3            | 2.8            | 13    |
| 24034CA/W33     | 4053134KH | 170                     | 260 | 90  | 2.1                  | 825                   | 1520 | 1000                | 1300 | 182                                | 248                | 2                  | 0.31  | 2.2            | 3.2            | 2.1            | 17.3  |
| 23134CA/W33     | 3053734KH | 170                     | 280 | 88  | 2.1                  | 940                   | 1570 | 1000                | 1300 | 182                                | 268                | 2                  | 0.29  | 2.3            | 3.5            | 2.3            | 21.8  |
| 24134CA/W33     | 4053734KH | 170                     | 280 | 109 | 2.1                  | 1080                  | 1860 | 1000                | 1300 | 182                                | 268                | 2                  | 0.37  | 1.8            | 2.7            | 1.8            | 26.6  |
| 22234CA/W33     | 53534KH   | 170                     | 310 | 86  | 4                    | 990                   | 1500 | 1100                | 1400 | 188                                | 292                | 3                  | 0.26  | 2.6            | 3.8            | 2.5            | 28.8  |
| 23234CA/W33     | 3053234KH | 170                     | 310 | 110 | 4                    | 1200                  | 1910 | 900                 | 1200 | 188                                | 292                | 3                  | 0.34  | 2              | 2.9            | 1.9            | 36.4  |
| 24234CA/W33     |           | 170                     | 310 | 140 | 4                    | 1290                  | 2080 | 900                 | 1200 | 188                                | 292                | 3                  | 0.48  | 1.4            | 2.1            | 1.4            | 45    |
| 22334CA/W33     | 53634KH   | 170                     | 360 | 120 | 4                    | 1580                  | 2110 | 1000                | 1200 | 188                                | 342                | 3                  | 0.35  | 1.9            | 2.9            | 1.9            | 57.9  |
| 23334CA/W33     |           | 170                     | 360 | 140 | 4                    | 1760                  | 2500 | 1000                | 1200 | 188                                | 342                | 3                  | 0.43  | 1.6            | 2.3            | 1.5            | 71.8  |
| 23936CA/W33     | 3053936KH | 180                     | 250 | 52  | 2                    | 470                   | 890  | 1200                | 1600 | 190                                | 240                | 2                  | 0.18  | 3.7            | 5.5            | 3.6            | 7.64  |
| 23036CA/W33     | 3053136KH | 180                     | 280 | 74  | 2.1                  | 750                   | 1270 | 1200                | 1400 | 192                                | 268                | 2                  | 0.24  | 2.8            | 4.2            | 2.8            | 17.1  |
| 24036CA/W33     | 4053136KH | 180                     | 280 | 100 | 2.1                  | 965                   | 1750 | 950                 | 1200 | 192                                | 268                | 2                  | 0.32  | 2.1            | 3.1            | 2              | 22.7  |
| 24036CA/W33     | 4053136KH | 180                     | 280 | 100 | 2.1                  | 965                   | 1750 | 950                 | 1200 | 192                                | 268                | 2                  | 0.32  | 2.1            | 3.1            | 2              | 22.7  |
| 23136CA/W33     | 3053736KH | 180                     | 300 | 96  | 3                    | 1050                  | 1760 | 900                 | 1200 | 194                                | 286                | 2.5                | 0.3   | 2.3            | 3.4            | 2.2            | 27.5  |
| 24136CA/W33     | 4053736KH | 180                     | 300 | 118 | 3                    | 1190                  | 2040 | 900                 | 1200 | 194                                | 286                | 2.5                | 0.37  | 1.8            | 2.7            | 1.8            | 33.1  |
| 22236CA/W33     | 53536KH   | 180                     | 320 | 86  | 4                    | 1020                  | 1540 | 1100                | 1300 | 198                                | 302                | 3                  | 0.26  | 2.6            | 3.9            | 2.6            | 30.2  |
| 23236CA/W33     | 3053236KH | 180                     | 320 | 112 | 4                    | 1300                  | 2110 | 850                 | 1100 | 198                                | 302                | 3                  | 0.33  | 2              | 3              | 2              | 38.9  |
| 24236CA/W33     |           | 180                     | 320 | 140 | 4                    | 1430                  | 2400 | 850                 | 1100 | 198                                | 302                | 3                  | 0.46  | 1.5            | 2.2            | 1.4            | 50.4  |
| 22336CA/W33     | 53636KH   | 180                     | 380 | 126 | 4                    | 1740                  | 2340 | 950                 | 1200 | 198                                | 362                | 3                  | 0.34  | 2              | 2.9            | 1.9            | 67    |
| 23336CA/W33     |           | 180                     | 380 | 150 | 4                    | 2000                  | 2850 | 950                 | 1200 | 198                                | 362                | 3                  | 0.44  | 1.5            | 2.3            | 1.5            | 86.1  |
| 23938CA/W33     | 3053938KH | 190                     | 260 | 52  | 2                    | 460                   | 875  | 1200                | 1500 | 200                                | 250                | 2                  | 0.18  | 3.8            | 5.7            | 3.7            | 8.03  |
| 23038CA/W33     | 3053138KH | 190                     | 290 | 75  | 2.1                  | 775                   | 1350 | 1100                | 1400 | 202                                | 278                | 2                  | 0.24  | 2.8            | 4.2            | 2.8            | 17.6  |
| 24038CA/W33     | 4053138KH | 190                     | 290 | 100 | 2.1                  | 975                   | 1840 | 900                 | 1200 | 202                                | 278                | 2                  | 0.31  | 2.2            | 3.2            | 2.1            | 24    |
| 23138CA/W33     | 3053738KH | 190                     | 320 | 104 | 3                    | 1190                  | 2020 | 850                 | 1100 | 204                                | 306                | 2.5                | 0.31  | 2.2            | 3.3            | 2.2            | 34.5  |
| 24138CA/W33     | 4053738KH | 190                     | 320 | 128 | 3                    | 1370                  | 2330 | 850                 | 1100 | 204                                | 306                | 2.5                | 0.4   | 1.7            | 2.5            | 1.6            | 41.5  |
| 24138CC/W33     |           | 190                     | 320 | 128 | 3                    | 1370                  | 2330 | 850                 | 1100 | 204                                | 306                | 2.5                | 0.4   | 1.7            | 2.5            | 1.6            | 41.5  |
| 22238CA/W33     | 53538KH   | 190                     | 340 | 92  | 4                    | 1140                  | 1730 | 1000                | 1200 | 208                                | 322                | 3                  | 0.26  | 2.6            | 3.8            | 2.5            | 35.5  |
| 23238CA/W33     | 3053238KH | 190                     | 340 | 120 | 4                    | 1440                  | 2350 | 800                 | 1100 | 208                                | 322                | 3                  | 0.35  | 1.9            | 2.9            | 1.9            | 47.6  |
| 24238CA/W33     |           | 190                     | 340 | 150 | 4                    | 1600                  | 2700 | 800                 | 1100 | 208                                | 322                | 3                  | 0.47  | 1.4            | 2.1            | 1.4            | 61.2  |
| 22338CA/W33     | 53638KH   | 190                     | 400 | 132 | 5                    | 1890                  | 2590 | 900                 | 1100 | 212                                | 378                | 4                  | 0.34  | 2              | 2.9            | 1.9            | 78.1  |
| 23338CA/W33     |           | 190                     | 400 | 155 | 5                    | 2120                  | 3050 | 900                 | 1100 | 212                                | 378                | 4                  | 0.43  | 1.6            | 2.3            | 1.5            | 98    |



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| Bearing Numbers |             | Boundary dimensions(mm) |     |     |                      | Basic load rating(kN) |      | Limiting speed(rpm) |      | Abutment and fillet dimensions(mm) |                    |                    |      | Value          |                |                | Weight(kg) |
|-----------------|-------------|-------------------------|-----|-----|----------------------|-----------------------|------|---------------------|------|------------------------------------|--------------------|--------------------|------|----------------|----------------|----------------|------------|
| New             | Old         | d                       | D   | B   | r <sub>1, 2min</sub> | Cr                    | Cor  | Grease              | Oil  | d <sub>a min</sub>                 | D <sub>a max</sub> | r <sub>a max</sub> | e    | Y <sub>1</sub> | Y <sub>2</sub> | Y <sub>0</sub> | Refer      |
| 23940CA/W33     | 3053940KH   | 200                     | 280 | 60  | 2.1                  | 570                   | 1060 | 1100                | 1400 | 212                                | 268                | 2                  | 0.2  | 3.4            | 5.1            | 3.3            | 11         |
| 23040CA/W33     | 3053140KH   | 200                     | 310 | 82  | 2.1                  | 940                   | 1700 | 1000                | 1300 | 212                                | 298                | 2                  | 0.25 | 2.7            | 4              | 2.6            | 22.6       |
| 24040CA/W33     | 4053140KH   | 200                     | 310 | 109 | 2.1                  | 1140                  | 2120 | 850                 | 1100 | 212                                | 298                | 2                  | 0.32 | 2.1            | 3.1            | 2              | 30.4       |
| 23140CA/W33     | 3053740KH   | 200                     | 340 | 112 | 3                    | 1360                  | 2330 | 800                 | 1000 | 214                                | 326                | 2.5                | 0.31 | 2.2            | 3.2            | 2.1            | 42.7       |
| 24140CA/W33     | 4053740KH   | 200                     | 340 | 140 | 3                    | 1570                  | 2670 | 800                 | 1000 | 214                                | 326                | 2.5                | 0.39 | 1.8            | 2.6            | 1.7            | 51.3       |
| 22240CA/W33     | 53540KH     | 200                     | 360 | 98  | 4                    | 1300                  | 2010 | 950                 | 1200 | 218                                | 342                | 3                  | 0.26 | 2.6            | 3.8            | 2.5            | 42.6       |
| 23240CA/W33     | 3053240KH   | 200                     | 360 | 128 | 4                    | 1660                  | 2750 | 750                 | 1000 | 218                                | 342                | 3                  | 0.34 | 2              | 2.9            | 1.9            | 57.1       |
| 24240CA/W33     |             | 200                     | 360 | 160 | 4                    | 1760                  | 3050 | 750                 | 1000 | 218                                | 342                | 3                  | 0.48 | 1.4            | 2.1            | 1.4            | 73.8       |
| 22340CA/W33     | 53640KH     | 200                     | 420 | 138 | 5                    | 2000                  | 2990 | 850                 | 1000 | 222                                | 398                | 4                  | 0.34 | 2              | 2.9            | 1.9            | 92.6       |
| 23340CA/W33     |             | 200                     | 420 | 165 | 5                    | 2400                  | 3450 | 850                 | 1000 | 222                                | 398                | 4                  | 0.43 | 1.5            | 2.3            | 1.5            | 115        |
| 23944CA/W33     | 3053944KH   | 220                     | 300 | 60  | 2.1                  | 625                   | 1240 | 1000                | 1300 | 232                                | 288                | 2                  | 0.18 | 3.8            | 5.7            | 3.7            | 12.2       |
| 23044CA/W33     | 3053144KH   | 220                     | 340 | 90  | 3                    | 1090                  | 1980 | 950                 | 1200 | 234                                | 326                | 2.5                | 0.24 | 2.8            | 4.1            | 2.7            | 29.7       |
| 24044CA/W33     | 4053144KH   | 220                     | 340 | 118 | 3                    | 1360                  | 2600 | 750                 | 1000 | 234                                | 326                | 2.5                | 0.31 | 2.1            | 3.2            | 2.1            | 40.5       |
| 23144CA/W33     | 3053744KH   | 220                     | 370 | 120 | 4                    | 1570                  | 2710 | 710                 | 950  | 238                                | 352                | 3                  | 0.3  | 2.2            | 3.3            | 2.2            | 53         |
| 24144CA/W33     | 4053744KH   | 220                     | 370 | 150 | 4                    | 1800                  | 3200 | 710                 | 950  | 238                                | 352                | 3                  | 0.39 | 1.7            | 2.6            | 1.7            | 66.7       |
| 22244CA/W33     | 53544KH     | 220                     | 400 | 108 | 4                    | 1570                  | 2430 | 850                 | 1000 | 238                                | 382                | 3                  | 0.27 | 2.5            | 3.7            | 2.4            | 59         |
| 23244CA/W33     | 3053244KH   | 220                     | 400 | 144 | 4                    | 2020                  | 3400 | 670                 | 900  | 238                                | 382                | 3                  | 0.35 | 1.9            | 2.9            | 1.9            | 80.4       |
| 23244X2CA/W33   | 3053244X2KH | 220                     | 400 | 150 | 4                    | 2040                  | 3400 | 670                 | 900  | 238                                | 382                | 3                  | 0.41 | 1.64           | 2.44           | 1.61           | 81.9       |
| 24244CA/W33     |             | 220                     | 400 | 180 | 4                    | 2200                  | 3750 | 650                 | 900  | 238                                | 382                | 3                  | 0.48 | 1.4            | 2.1            | 1.4            | 103        |
| 22344CA/W33     | 53644KH     | 220                     | 460 | 145 | 5                    | 2350                  | 3400 | 750                 | 950  | 242                                | 438                | 4                  | 0.33 | 2              | 3              | 2              | 116        |
| 23948CA/W33     | 3053948KH   | 240                     | 320 | 60  | 2.1                  | 635                   | 1300 | 950                 | 1200 | 252                                | 308                | 2                  | 0.17 | 4              | 6              | 3.9            | 13.3       |
| 23048CA/W33     | 3053148KH   | 240                     | 360 | 92  | 3                    | 1160                  | 2140 | 850                 | 1100 | 254                                | 346                | 2.5                | 0.24 | 2.8            | 4.2            | 2.7            | 32.6       |
| 24048CA/W33     | 4053148KH   | 240                     | 360 | 118 | 3                    | 1390                  | 2730 | 710                 | 950  | 254                                | 346                | 2.5                | 0.29 | 2.3            | 3.4            | 2.2            | 43.4       |
| 23148CA/W33     | 3053748KH   | 240                     | 400 | 128 | 4                    | 1790                  | 3100 | 670                 | 850  | 258                                | 382                | 3                  | 0.3  | 2.2            | 3.3            | 2.2            | 66.9       |
| 24148CA/W33     | 4053748KH   | 240                     | 400 | 160 | 4                    | 2130                  | 3800 | 670                 | 850  | 258                                | 382                | 3                  | 0.38 | 1.8            | 2.7            | 1.8            | 79.5       |
| 22248CA/W33     | 53548KH     | 240                     | 440 | 120 | 4                    | 1870                  | 2890 | 750                 | 950  | 258                                | 422                | 3                  | 0.27 | 2.5            | 3.7            | 2.4            | 80.2       |
| 23248CA/W33     | 3053248KH   | 240                     | 440 | 160 | 4                    | 2440                  | 4050 | 630                 | 800  | 258                                | 422                | 3                  | 0.37 | 1.8            | 2.7            | 1.8            | 106        |
| 24248CA/W33     |             | 240                     | 440 | 200 | 4                    | 2650                  | 4550 | 600                 | 800  | 258                                | 422                | 3                  | 0.49 | 1.4            | 2              | 1.3            | 140        |
| 22348CA/W33     | 53648KH     | 240                     | 500 | 155 | 5                    | 2600                  | 3800 | 670                 | 850  | 262                                | 478                | 4                  | 0.32 | 2.1            | 3.2            | 2.1            | 147        |
| 23852CA/W33     | 3053852KH   | 260                     | 320 | 45  | 2                    | 366                   | 883  | 850                 | 1100 | 270                                | 310                | 2                  | 0.12 | 5.6            | 8.4            | 5.6            | 8.05       |
| 23952X2CA/W33   | 3053952X2KH | 260                     | 360 | 70  | 2.1                  | 805                   | 1590 | 850                 | 1000 | 272                                | 348                | 2                  | 0.18 | 3.76           | 5.6            | 3.67           | 21.6       |
| 23952CA/W33     | 3053952KH   | 260                     | 360 | 75  | 2.1                  | 930                   | 1870 | 850                 | 1000 | 272                                | 348                | 2                  | 0.19 | 3.6            | 5.4            | 3.5            | 23         |
| 24952CA/W33     | 4053952KH   | 260                     | 360 | 100 | 2.1                  | 1070                  | 2375 | 850                 | 1100 | 272                                | 348                | 2                  | 0.24 | 2.8            | 4.2            | 2.8            | 32         |
| 23052CA/W33     | 3053152KH   | 260                     | 400 | 104 | 4                    | 1430                  | 2580 | 800                 | 950  | 278                                | 382                | 3                  | 0.25 | 2.7            | 4.1            | 2.7            | 46.6       |
| 24052CA/W33     | 4053152KH   | 260                     | 400 | 140 | 4                    | 1810                  | 3500 | 630                 | 850  | 278                                | 382                | 3                  | 0.32 | 2.1            | 3.1            | 2.1            | 62.6       |
| 23152CA/W33     | 3053752KH   | 260                     | 440 | 144 | 4                    | 2160                  | 3750 | 600                 | 800  | 278                                | 422                | 3                  | 0.32 | 2.1            | 3.2            | 2.1            | 88.2       |
| 24152CA/W33     | 4053752KH   | 260                     | 440 | 180 | 4                    | 2560                  | 4700 | 600                 | 800  | 278                                | 422                | 3                  | 0.39 | 1.7            | 2.6            | 1.7            | 109        |
| 22252CA/W33     | 53552KH     | 260                     | 480 | 130 | 5                    | 2180                  | 3400 | 670                 | 850  | 282                                | 458                | 4                  | 0.27 | 2.5            | 3.7            | 2.5            | 104        |
| 23252CA/W33     | 3053252KH   | 260                     | 480 | 174 | 5                    | 2740                  | 4550 | 560                 | 750  | 282                                | 458                | 4                  | 0.37 | 1.8            | 2.7            | 1.8            | 137        |
| 24252CA/W33     |             | 260                     | 480 | 218 | 5                    | 3150                  | 5400 | 530                 | 670  | 282                                | 458                | 4                  | 0.49 | 1.4            | 2              | 1.3            | 182        |
| 22352CA/W33     | 53652KH     | 260                     | 540 | 165 | 6                    | 3100                  | 4600 | 630                 | 800  | 288                                | 512                | 5                  | 0.32 | 2.1            | 3.2            | 2.1            | 180        |
| 23856CA/W33     | 3053856KH   | 280                     | 350 | 52  | 2                    | 480                   | 1121 | 800                 | 1000 | 290                                | 340                | 2                  | 0.12 | 5.6            | 8.4            | 5.6            | 12         |
| 23956CA/W33     | 3053956KH   | 280                     | 380 | 75  | 2.1                  | 925                   | 1950 | 800                 | 950  | 292                                | 368                | 2                  | 0.18 | 3.9            | 5.7            | 3.8            | 24.5       |
| 24956CA/W33     | 4053956KH   | 280                     | 380 | 100 | 2.1                  | 1016                  | 2327 | 800                 | 1000 | 292                                | 368                | 2                  | 0.23 | 2.9            | 4.4            | 2.8            | 34.5       |
| 23056CA/W33     | 3053156KH   | 280                     | 420 | 106 | 4                    | 1540                  | 2950 | 710                 | 900  | 298                                | 402                | 3                  | 0.24 | 2.8            | 4.2            | 2.7            | 50.5       |
| 24056CA/W33     | 4053156KH   | 280                     | 420 | 140 | 4                    | 1880                  | 3800 | 600                 | 800  | 298                                | 402                | 3                  | 0.31 | 2.2            | 3.3            | 2.2            | 66.4       |
| 2656CA/W33      |             | 280                     | 440 | 160 | 4                    | 2180                  | 4250 | 580                 | 780  | 298                                | 422                | 3                  | 0.35 | 1.92           | 2.86           | 1.88           | 88.6       |
| 23156CA/W33     | 3053756KH   | 280                     | 460 | 146 | 5                    | 2230                  | 4000 | 560                 | 750  | 302                                | 438                | 4                  | 0.3  | 2.2            | 3.3            | 2.2            | 94.3       |



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| Bearing Numbers |             | Boundary dimensions(mm) |     |     |                      | Basic load rating(kN) |       | Limiting speed(rpm) |      | Abutment and fillet dimensions(mm) |                    |                    |      | Value          |                |                | Weight(kg) |
|-----------------|-------------|-------------------------|-----|-----|----------------------|-----------------------|-------|---------------------|------|------------------------------------|--------------------|--------------------|------|----------------|----------------|----------------|------------|
| New             | Old         | d                       | D   | B   | r <sub>1, 2min</sub> | Cr                    | Cor   | Grease              | Oil  | d <sub>a min</sub>                 | D <sub>a max</sub> | r <sub>a max</sub> | e    | Y <sub>1</sub> | Y <sub>2</sub> | Y <sub>0</sub> | Refer      |
| 24156CA/W33     | 4053756KH   | 280                     | 460 | 180 | 5                    | 2640                  | 5000  | 560                 | 750  | 302                                | 438                | 4                  | 0.37 | 1.8            | 2.7            | 1.8            | 115        |
| 22256CA/W33     | 53556KH     | 280                     | 500 | 130 | 5                    | 2280                  | 3650  | 630                 | 800  | 302                                | 478                | 4                  | 0.25 | 2.7            | 4              | 2.6            | 110        |
| 23256CA/W33     | 3053256KH   | 280                     | 500 | 176 | 5                    | 2880                  | 4900  | 530                 | 670  | 302                                | 478                | 4                  | 0.35 | 1.9            | 2.9            | 1.9            | 147        |
| 24256CA/W33     |             | 280                     | 500 | 218 | 5                    | 3250                  | 5850  | 500                 | 670  | 302                                | 478                | 4                  | 0.46 | 1.5            | 2.2            | 1.4            | 192        |
| 22356CA/W33     | 53656KH     | 280                     | 580 | 175 | 6                    | 3500                  | 5150  | 560                 | 710  | 308                                | 552                | 5                  | 0.31 | 2.1            | 3.2            | 2.1            | 221        |
| 23860CA/W33     | 3053860KH   | 300                     | 380 | 60  | 2.1                  | 612                   | 1482  | 700                 | 900  | 312                                | 368                | 2                  | 0.13 | 5.2            | 7.7            | 5              | 17         |
| 23960CA/W33     | 3053960KH   | 300                     | 420 | 90  | 3                    | 1230                  | 2490  | 710                 | 900  | 314                                | 406                | 2.5                | 0.19 | 3.5            | 5.2            | 3.4            | 38.2       |
| 23060CA/W33     | 3053160KH   | 300                     | 460 | 118 | 4                    | 1920                  | 3700  | 670                 | 850  | 318                                | 442                | 3                  | 0.24 | 2.8            | 4.2            | 2.7            | 70.5       |
| 24060CA/W33     | 4053160KH   | 300                     | 460 | 160 | 4                    | 2310                  | 4600  | 530                 | 710  | 318                                | 442                | 3                  | 0.32 | 2.1            | 3.1            | 2              | 93.6       |
| 23160CA/W33     | 3053760KH   | 300                     | 500 | 160 | 5                    | 2670                  | 4800  | 500                 | 670  | 322                                | 478                | 4                  | 0.31 | 2.2            | 3.3            | 2.2            | 125        |
| 24160CA/W33     | 4053760KH   | 300                     | 500 | 200 | 5                    | 3100                  | 5800  | 500                 | 670  | 322                                | 478                | 4                  | 0.38 | 1.8            | 2.6            | 1.7            | 152        |
| 22260CA/W33     | 53560KH     | 300                     | 540 | 140 | 5                    | 2610                  | 4250  | 600                 | 750  | 322                                | 518                | 4                  | 0.25 | 2.7            | 4              | 2.6            | 139        |
| 23260CA/W33     | 3053260KH   | 300                     | 540 | 192 | 5                    | 3400                  | 5900  | 480                 | 630  | 322                                | 518                | 4                  | 0.35 | 1.9            | 2.9            | 1.9            | 189        |
| 24260CA/W33     |             | 300                     | 540 | 243 | 5                    | 3900                  | 7200  | 450                 | 600  | 322                                | 518                | 4                  | 0.48 | 1.4            | 2.1            | 1.4            | 254        |
| 22360CA/W33     | 53660KH     | 300                     | 620 | 185 | 7.5                  | 3950                  | 5900  | 400                 | 520  | 350                                | 572                | 6                  | 0.31 | 2.2            | 3.3            | 2.2            | 264        |
| 23864CA/W33     | 3053864KH   | 320                     | 400 | 60  | 2.1                  | 639                   | 1577  | 950                 | 1300 | 332                                | 388                | 2                  | 0.12 | 5.6            | 8.4            | 5.6            | 17.5       |
| 24864CA/W33     |             | 320                     | 400 | 80  | 2.1                  | 870                   | 2210  | 900                 | 1200 | 332                                | 388                | 2                  | 0.17 | 3.9            | 5.81           | 3.82           | 22.8       |
| 23964CA/W33     | 3053964KH   | 320                     | 440 | 90  | 3                    | 1300                  | 2750  | 670                 | 850  | 334                                | 426                | 2.5                | 0.18 | 3.7            | 5.5            | 3.6            | 40.6       |
| 23064CA/W33     | 3053164KH   | 320                     | 480 | 121 | 4                    | 1960                  | 3850  | 630                 | 800  | 338                                | 462                | 3                  | 0.24 | 2.8            | 4.2            | 2.8            | 75.6       |
| 24064CA/W33     | 4053164KH   | 320                     | 480 | 160 | 4                    | 2440                  | 5050  | 500                 | 670  | 338                                | 462                | 3                  | 0.31 | 2.2            | 3.3            | 2.2            | 99.7       |
| 23164CA/W33     | 3053764KH   | 320                     | 540 | 176 | 5                    | 3050                  | 5500  | 480                 | 600  | 342                                | 518                | 4                  | 0.31 | 2.1            | 3.2            | 2.1            | 162        |
| 24164CA/W33     | 4053764KH   | 320                     | 540 | 218 | 5                    | 3550                  | 6650  | 480                 | 600  | 342                                | 518                | 4                  | 0.39 | 1.7            | 2.6            | 1.7            | 196        |
| 22264CA/W33     | 53564KH     | 320                     | 580 | 150 | 5                    | 2990                  | 4850  | 530                 | 670  | 342                                | 558                | 4                  | 0.26 | 2.6            | 3.9            | 2.6            | 174        |
| 23264CA/W33     | 3053264KH   | 320                     | 580 | 208 | 5                    | 3900                  | 6900  | 450                 | 600  | 342                                | 558                | 4                  | 0.36 | 1.9            | 2.8            | 1.8            | 239        |
| 23264X2CA/W33   | 3053264X2KH | 320                     | 580 | 213 | 5                    | 4000                  | 7050  | 450                 | 600  | 342                                | 558                | 4                  | 0.36 | 1.86           | 2.77           | 1.82           | 241        |
| 24264CA/W33     |             | 320                     | 580 | 258 | 5                    | 4300                  | 8000  | 430                 | 560  | 342                                | 558                | 4                  | 0.48 | 1.4            | 2.1            | 1.4            | 313        |
| 22364CA/W33     | 53664KH     | 320                     | 670 | 200 | 7.5                  | 4250                  | 6550  | 400                 | 530  | 342                                | 478                | 4                  | 0.33 | 2.1            | 3.1            | 2              | 356        |
| 23868CA/W33     | 3053868KH   | 340                     | 420 | 60  | 2.1                  | 655                   | 1643  | 630                 | 800  | 352                                | 408                | 2                  | 0.12 | 5.6            | 8.4            | 5.6            | 18.5       |
| 23968CA/W33     | 3053968KH   | 340                     | 460 | 90  | 3                    | 1330                  | 2840  | 630                 | 800  | 354                                | 446                | 2.5                | 0.18 | 3.8            | 5.7            | 3.7            | 42.4       |
| 23068CA/W33     | 3053168KH   | 340                     | 520 | 133 | 5                    | 2280                  | 4400  | 560                 | 710  | 362                                | 498                | 4                  | 0.24 | 2.8            | 4.2            | 2.8            | 101        |
| 24068CA/W33     | 4053168KH   | 340                     | 520 | 180 | 5                    | 2920                  | 6050  | 480                 | 600  | 362                                | 498                | 4                  | 0.32 | 2.1            | 3.2            | 2.1            | 135        |
| 23168CA/W33     | 3053768KH   | 340                     | 580 | 190 | 5                    | 3600                  | 6600  | 430                 | 560  | 362                                | 558                | 4                  | 0.31 | 2.1            | 3.2            | 2.1            | 206        |
| 24168CA/W33     | 4053768KH   | 340                     | 580 | 243 | 5                    | 4250                  | 7900  | 430                 | 560  | 362                                | 558                | 4                  | 0.4  | 1.7            | 2.5            | 1.7            | 257        |
| 22268CA/W33     | 53568KH     | 340                     | 620 | 165 | 6                    | 3450                  | 5600  | 430                 | 560  | 368                                | 592                | 5                  | 0.28 | 2.4            | 3.6            | 2.4            | 226        |
| 23268CA/W33     | 3053268KH   | 340                     | 620 | 224 | 6                    | 4400                  | 7800  | 400                 | 530  | 368                                | 592                | 5                  | 0.36 | 1.9            | 2.8            | 1.8            | 295        |
| 24268CA/W33     |             | 340                     | 620 | 280 | 6                    | 5400                  | 10000 | 380                 | 500  | 368                                | 592                | 5                  | 0.47 | 1.4            | 2.1            | 1.4            | 390        |
| 22368CA/W33     | 53668KH     | 340                     | 710 | 212 | 7.5                  | 5000                  | 7800  | 360                 | 480  | 368                                | 682                | 5                  | 0.33 | 2.1            | 3.1            | 2              | 422        |
| 23872CA/W33     | 3053872KH   | 360                     | 440 | 60  | 2.1                  | 677                   | 1767  | 600                 | 750  | 372                                | 428                | 1                  | 0.11 | 6.1            | 9.1            | 6.3            | 20         |
| 22972CA/W33     |             | 360                     | 480 | 72  | 3                    | 1090                  | 2350  | 630                 | 800  | 374                                | 466                | 2.5                | 0.14 | 4.94           | 7.36           | 4.83           | 37.1       |
| 23972CA/W33     | 3053972KH   | 360                     | 480 | 90  | 3                    | 1390                  | 3050  | 600                 | 750  | 374                                | 466                | 2.5                | 0.17 | 4.1            | 6              | 4              | 44.7       |
| 23072CA/W33     | 3053172KH   | 360                     | 540 | 134 | 5                    | 2390                  | 4700  | 530                 | 670  | 382                                | 518                | 4                  | 0.24 | 2.8            | 4.2            | 2.8            | 106        |
| 24072CA/W33     | 4053172KH   | 360                     | 540 | 180 | 5                    | 2930                  | 6100  | 450                 | 600  | 382                                | 518                | 4                  | 0.32 | 2.1            | 3.2            | 2.1            | 139        |
| 23172CA/W33     | 3053772KH   | 360                     | 600 | 192 | 5                    | 3800                  | 7100  | 400                 | 530  | 382                                | 578                | 4                  | 0.31 | 2.2            | 3.2            | 2.1            | 217        |
| 24172CA/W33     | 4053772KH   | 360                     | 600 | 243 | 5                    | 4200                  | 8000  | 400                 | 530  | 382                                | 578                | 4                  | 0.4  | 1.7            | 2.5            | 1.7            | 264        |
| 22272CA/W33     | 53572KH     | 360                     | 650 | 170 | 6                    | 3553                  | 5890  | 600                 | 750  | 388                                | 622                | 5                  | 0.26 | 2.6            | 3.9            | 2.5            | 255        |
| 23272CA/W33     | 3053272KH   | 360                     | 650 | 232 | 6                    | 4800                  | 8550  | 380                 | 500  | 388                                | 622                | 5                  | 0.36 | 1.9            | 2.8            | 1.8            | 342        |
| 22372CA/W33     | 53672KH     | 360                     | 750 | 224 | 7.5                  | 5500                  | 8650  | 360                 | 480  | 388                                | 718                | 5                  | 0.33 | 2.1            | 3.1            | 2              | 503        |
| 23976CA/W33     | 3053976KH   | 380                     | 520 | 106 | 4                    | 1870                  | 4100  | 530                 | 670  | 398                                | 502                | 3                  | 0.18 | 3.7            | 5.5            | 3.6            | 65.4       |



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| Bearing Numbers |             | Boundary dimensions(mm) |     |     |                      | Basic load rating(kN) |       | Limiting speed(rpm) |     | Abutment and fillet dimensions(mm) |                    |                    | Value |                |                | Weight(kg)     |       |
|-----------------|-------------|-------------------------|-----|-----|----------------------|-----------------------|-------|---------------------|-----|------------------------------------|--------------------|--------------------|-------|----------------|----------------|----------------|-------|
| New             | Old         | d                       | D   | B   | r <sub>1, 2min</sub> | Cr                    | Cor   | Grease              | Oil | d <sub>a min</sub>                 | D <sub>a max</sub> | r <sub>a max</sub> | e     | Y <sub>1</sub> | Y <sub>2</sub> | Y <sub>0</sub> | Refer |
| 23076CA/W33     | 3053176KH   | 380                     | 560 | 135 | 5                    | 2500                  | 5100  | 530                 | 630 | 402                                | 538                | 4                  | 0.22  | 3              | 4.5            | 3              | 113   |
| 24076CA/W33     | 4053176KH   | 380                     | 560 | 180 | 5                    | 3050                  | 6600  | 430                 | 560 | 402                                | 538                | 4                  | 0.29  | 2.3            | 3.4            | 2.3            | 148   |
| 23176CA/W33     | 3053776KH   | 380                     | 620 | 194 | 5                    | 4000                  | 7600  | 400                 | 500 | 402                                | 598                | 4                  | 0.3   | 2.2            | 3.3            | 2.2            | 229   |
| 24176CA/W33     | 4053776KH   | 380                     | 620 | 243 | 5                    | 4350                  | 8450  | 400                 | 500 | 402                                | 598                | 4                  | 0.38  | 1.8            | 2.6            | 1.7            | 275   |
| 22276CA/W33     | 53576KH     | 380                     | 680 | 175 | 6                    | 4050                  | 6950  | 380                 | 480 | 408                                | 652                | 5                  | 0.27  | 2.5            | 3.7            | 2.4            | 288   |
| 23276CA/W33     | 3053276KH   | 380                     | 680 | 240 | 6                    | 5150                  | 9200  | 360                 | 480 | 408                                | 652                | 5                  | 0.35  | 1.9            | 2.9            | 1.9            | 372   |
| 23276X2CA/W33   | 3053276X2KH | 380                     | 680 | 245 | 6                    | 5250                  | 9650  | 360                 | 480 | 408                                | 652                | 5                  | 0.36  | 1.89           | 2.82           | 1.85           | 382   |
| 22376CA/W33     | 53676KH     | 380                     | 780 | 230 | 7.5                  | 5850                  | 9300  | 340                 | 450 | 412                                | 748                | 6                  | 0.32  | 2.1            | 3.2            | 2.1            | 554   |
| 24880CA/W33     | 4053880KH   | 400                     | 500 | 100 | 2.1                  | 1330                  | 3500  | 600                 | 800 | 412                                | 488                | 2                  | 0.18  | 3.76           | 5.59           | 3.67           | 45.3  |
| 23980CA/W33     | 3053980KH   | 400                     | 540 | 106 | 4                    | 1890                  | 4250  | 530                 | 630 | 418                                | 522                | 3                  | 0.18  | 3.9            | 5.7            | 3.8            | 69.1  |
| 23080CA/W33     | 3053180KH   | 400                     | 600 | 148 | 5                    | 2970                  | 5900  | 480                 | 600 | 422                                | 578                | 4                  | 0.23  | 3              | 4.4            | 2.9            | 146   |
| 24080CA/W33     | 4053180KH   | 400                     | 600 | 200 | 5                    | 3600                  | 7600  | 400                 | 500 | 422                                | 578                | 4                  | 0.31  | 2.2            | 3.3            | 2.2            | 193   |
| 23180CA/W33     | 3053780KH   | 400                     | 650 | 200 | 6                    | 4150                  | 7900  | 380                 | 480 | 428                                | 622                | 5                  | 0.29  | 2.3            | 3.4            | 2.3            | 257   |
| 24180CA/W33     | 4053780KH   | 400                     | 650 | 250 | 6                    | 4950                  | 10100 | 380                 | 480 | 428                                | 622                | 5                  | 0.37  | 1.8            | 2.7            | 1.8            | 316   |
| 22280CA/W33     | 53580KH     | 400                     | 720 | 185 | 6                    | 4550                  | 7650  | 360                 | 450 | 428                                | 692                | 5                  | 0.26  | 2.6            | 3.8            | 2.5            | 343   |
| 23280CA/W33     | 3053280KH   | 400                     | 720 | 256 | 6                    | 5800                  | 10400 | 340                 | 450 | 428                                | 692                | 5                  | 0.36  | 1.9            | 2.8            | 1.9            | 449   |
| 23280X2CA/W33   |             | 400                     | 720 | 260 | 6                    | 5850                  | 10600 | 340                 | 450 | 428                                | 692                | 5                  | 0.37  | 1.81           | 2.69           | 1.77           | 457   |
| 24280CA/W33     |             | 400                     | 720 | 315 | 6                    | 6950                  | 13200 | 320                 | 430 | 428                                | 692                | 5                  | 0.45  | 1.5            | 2.2            | 1.5            | 582   |
| 22380CA/W33     | 53680KH     | 400                     | 820 | 243 | 7.5                  | 6232                  | 9880  | 360                 | 450 | 436                                | 784                | 6                  | 0.3   | 2.3            | 3.4            | 2.2            | 650   |
| 23884CA/W33     | 3053884KH   | 420                     | 520 | 75  | 2.1                  | 1090                  | 2710  | 530                 | 630 | 432                                | 508                | 2                  | 0.12  | 5.42           | 8.08           | 5.3            | 34.8  |
| 23984CA/W33     | 3053984KH   | 420                     | 560 | 106 | 4                    | 1870                  | 4250  | 500                 | 600 | 438                                | 542                | 3                  | 0.17  | 4              | 6              | 3.9            | 71.6  |
| 23084CA/W33     | 3053184KH   | 420                     | 620 | 150 | 5                    | 2910                  | 5850  | 450                 | 560 | 442                                | 598                | 4                  | 0.23  | 2.9            | 4.3            | 2.8            | 151   |
| 24084CA/W33     | 4053184KH   | 420                     | 620 | 200 | 5                    | 3750                  | 8100  | 380                 | 480 | 442                                | 598                | 4                  | 0.31  | 2.2            | 3.2            | 2.1            | 199   |
| 23184CA/W33     | 3053784KH   | 420                     | 700 | 224 | 6                    | 5000                  | 9400  | 340                 | 450 | 448                                | 672                | 5                  | 0.31  | 2.2            | 3.3            | 2.2            | 341   |
| 24184CA/W33     | 4053784KH   | 420                     | 700 | 280 | 6                    | 6000                  | 12000 | 340                 | 450 | 448                                | 672                | 5                  | 0.38  | 1.8            | 2.6            | 1.7            | 421   |
| 22284CA/W33     | 53584KH     | 420                     | 760 | 195 | 7.5                  | 5000                  | 8300  | 320                 | 430 | 456                                | 724                | 6                  | 0.27  | 2.5            | 3.7            | 2.4            | 405   |
| 23284CA/W33     | 3053284KH   | 420                     | 760 | 272 | 7.5                  | 6450                  | 11700 | 320                 | 430 | 456                                | 724                | 6                  | 0.35  | 1.9            | 2.9            | 1.9            | 534   |
| 24284CA/W33     |             | 420                     | 760 | 335 | 7.5                  | 8150                  | 16000 | 300                 | 400 | 456                                | 724                | 6                  | 0.45  | 1.5            | 2.2            | 1.5            | 702   |
| 22384CA/W33     | 53684KH     | 420                     | 850 | 250 | 9.5                  | 6800                  | 11000 | 300                 | 400 | 460                                | 810                | 8                  | 0.33  | 2.1            | 3.1            | 2              | 704   |
| 23988CAF3/W33   | 3053988K    | 440                     | 600 | 118 | 4                    | 2190                  | 4800  | 450                 | 560 | 458                                | 582                | 3                  | 0.18  | 3.9            | 5.7            | 3.8            | 96.3  |
| 23088CAF3/W33   | 3053188K    | 440                     | 650 | 157 | 6                    | 3150                  | 6350  | 430                 | 530 | 468                                | 622                | 5                  | 0.23  | 2.9            | 4.3            | 2.8            | 173   |
| 24088CAF3/W33   | 4053188K    | 440                     | 650 | 212 | 6                    | 4150                  | 9100  | 360                 | 450 | 468                                | 622                | 5                  | 0.31  | 2.1            | 3.2            | 2.1            | 237   |
| 23188CAF3/W33   | 3053788K    | 440                     | 720 | 226 | 6                    | 5300                  | 10300 | 320                 | 430 | 468                                | 692                | 5                  | 0.3   | 2.2            | 3.3            | 2.2            | 360   |
| 24188CAF3/W33   | 4053788K    | 440                     | 720 | 280 | 6                    | 6000                  | 12100 | 320                 | 430 | 468                                | 692                | 5                  | 0.37  | 1.8            | 2.7            | 1.8            | 433   |
| 22288CAF3/W33   | 53588K      | 440                     | 790 | 200 | 7.5                  | 5300                  | 8800  | 320                 | 420 | 476                                | 754                | 6                  | 0.27  | 2.5            | 3.7            | 2.4            | 446   |
| 23288CAF3/W33   | 3053288K    | 440                     | 790 | 280 | 7.5                  | 6900                  | 12800 | 300                 | 400 | 476                                | 754                | 6                  | 0.35  | 1.9            | 2.9            | 1.9            | 594   |
| 23288X2CAF3/W33 | 3053288X2K  | 440                     | 790 | 285 | 7.5                  | 6900                  | 12800 | 300                 | 400 | 476                                | 754                | 6                  | 0.36  | 1.88           | 2.8            | 1.84           | 595   |
| 24288CAF3/W33   |             | 440                     | 790 | 345 | 7.5                  | 8500                  | 17000 | 300                 | 400 | 476                                | 754                | 6                  | 0.45  | 1.5            | 2.2            | 1.5            | 778   |
| 22388CAF3/W33   | 53688K      | 440                     | 900 | 265 | 9.5                  | 7650                  | 12500 | 300                 | 400 | 480                                | 860                | 8                  | 0.33  | 2.1            | 3.1            | 2              | 844   |
| 24892CAF3/W33   |             | 460                     | 580 | 118 | 3                    | 1700                  | 4655  | 450                 | 560 | 474                                | 566                | 2.5                | 0.17  | 4              | 5.9            | 3.7            | 75.5  |
| 23992CAF3/W33   | 3053992K    | 460                     | 620 | 118 | 4                    | 2220                  | 4950  | 430                 | 530 | 478                                | 602                | 3                  | 0.17  | 4              | 5.9            | 3.9            | 100   |
| 24992X2CAF3/W33 |             | 460                     | 620 | 140 | 4                    | 2440                  | 6000  | 420                 | 520 | 478                                | 602                | 3                  | 0.21  | 3.22           | 4.8            | 3.15           | 122   |
| 23092CAF3/W33   | 3053192K    | 460                     | 680 | 163 | 6                    | 3450                  | 7100  | 400                 | 500 | 488                                | 652                | 5                  | 0.22  | 3.1            | 4.6            | 3              | 201   |
| 24092CAF3/W33   | 4053192K    | 460                     | 680 | 218 | 6                    | 4500                  | 9950  | 340                 | 430 | 488                                | 652                | 5                  | 0.29  | 2.3            | 3.4            | 2.3            | 266   |
| 23192CAF3/W33   | 3053792K    | 460                     | 760 | 240 | 7.5                  | 5700                  | 10900 | 300                 | 400 | 496                                | 724                | 6                  | 0.31  | 2.2            | 3.3            | 2.2            | 423   |
| 24192CAF3/W33   | 4053792K    | 460                     | 760 | 300 | 7.5                  | 6300                  | 12400 | 300                 | 400 | 496                                | 724                | 6                  | 0.39  | 1.7            | 2.6            | 1.7            | 512   |
| 22292CAF3/W33   | 53592K      | 460                     | 830 | 212 | 7.5                  | 5850                  | 10200 | 300                 | 400 | 496                                | 794                | 6                  | 0.27  | 2.5            | 3.7            | 2.4            | 530   |
| 23292CAF3/W33   | 3053292K    | 460                     | 830 | 296 | 7.5                  | 7350                  | 13700 | 280                 | 380 | 496                                | 794                | 6                  | 0.36  | 1.9            | 2.8            | 1.8            | 691   |



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| Bearing Numbers |            | Boundary dimensions(mm) |      |     |                      | Basic load rating(kN) |       | Limiting speed(rpm) |     | Abutment and fillet dimensions(mm) |                    |                    |      | Value          |                |                | Weight(kg) |
|-----------------|------------|-------------------------|------|-----|----------------------|-----------------------|-------|---------------------|-----|------------------------------------|--------------------|--------------------|------|----------------|----------------|----------------|------------|
| New             | Old        | d                       | D    | B   | r <sub>1, 2min</sub> | Cr                    | Cor   | Grease              | Oil | d <sub>a min</sub>                 | D <sub>a max</sub> | r <sub>a max</sub> | e    | Y <sub>1</sub> | Y <sub>2</sub> | Y <sub>0</sub> | Refer      |
| 24292CAF3/W33   |            | 460                     | 830  | 365 | 7.5                  | 9500                  | 19000 | 280                 | 380 | 496                                | 794                | 6                  | 0.45 | 1.5            | 2.2            | 1.5            | 913        |
| 22392CAF3/W33   | 53692K     | 460                     | 950  | 280 | 9.5                  | 8500                  | 14000 | 260                 | 360 | 500                                | 910                | 8                  | 0.33 | 2.1            | 3.1            | 2              | 1000       |
| 23896CAF3/W33   | 3053896K   | 480                     | 600  | 90  | 3                    | 1368                  | 3562  | 430                 | 530 | 494                                | 586                | 2.5                | 0.13 | 5.2            | 7.7            | 5              | 61         |
| 23996CAF3/W33   | 3053996K   | 480                     | 650  | 128 | 5                    | 2580                  | 5850  | 400                 | 500 | 502                                | 628                | 4                  | 0.18 | 3.8            | 5.7            | 3.7            | 121        |
| 23096CAF3/W33   | 3053196K   | 480                     | 700  | 165 | 6                    | 3800                  | 7950  | 400                 | 480 | 508                                | 672                | 5                  | 0.22 | 3.1            | 4.6            | 3              | 211        |
| 24096CAF3/W33   | 4053196K   | 480                     | 700  | 218 | 6                    | 4600                  | 10200 | 320                 | 430 | 508                                | 672                | 5                  | 0.3  | 2.3            | 3.4            | 2.2            | 270        |
| 23196CAF3/W33   | 3053796K   | 480                     | 790  | 248 | 7.5                  | 6050                  | 11700 | 300                 | 380 | 516                                | 754                | 6                  | 0.31 | 2.2            | 3.3            | 2.2            | 475        |
| 24196CAF3/W33   | 4053796K   | 480                     | 790  | 308 | 7.5                  | 7150                  | 14600 | 300                 | 380 | 516                                | 754                | 6                  | 0.39 | 1.7            | 2.6            | 1.7            | 567        |
| 22296CAF3/W33   | 53596H     | 480                     | 870  | 224 | 7.5                  | 6400                  | 11200 | 280                 | 380 | 516                                | 834                | 6                  | 0.27 | 2.5            | 3.7            | 2.4            | 613        |
| 23296CAF3/W33   | 3053296H   | 480                     | 870  | 310 | 7.5                  | 7850                  | 14400 | 260                 | 360 | 516                                | 834                | 6                  | 0.36 | 1.9            | 2.8            | 1.8            | 795        |
| 24296CAF3/W33   |            | 480                     | 870  | 388 | 7.5                  | 10600                 | 21200 | 260                 | 360 | 516                                | 834                | 6                  | 0.46 | 1.5            | 2.2            | 1.4            | 1080       |
| 22396CAF3/W33   | 53696K     | 480                     | 980  | 290 | 9.5                  | 9000                  | 15000 | 260                 | 360 | 520                                | 940                | 8                  | 0.33 | 2.1            | 3.1            | 2              | 1100       |
| 238/500CAF3/W33 | 30538/500K | 500                     | 620  | 90  | 3                    | 1406                  | 3800  | 430                 | 530 | 514                                | 606                | 2.5                | 0.12 | 5.6            | 8.4            | 5.6            | 62         |
| 239/500CAF3/W33 | 30539/500K | 500                     | 670  | 128 | 5                    | 2460                  | 5550  | 400                 | 500 | 522                                | 648                | 4                  | 0.17 | 4              | 6              | 3.9            | 124        |
| 249/500CAF3/W33 | 40539/500K | 500                     | 670  | 170 | 5                    | 3250                  | 8000  | 380                 | 480 | 522                                | 648                | 4                  | 0.24 | 2.9            | 4.3            | 2.8            | 175        |
| 230/500CAF3/W33 | 30531/500K | 500                     | 720  | 167 | 6                    | 3750                  | 8100  | 380                 | 480 | 528                                | 692                | 5                  | 0.21 | 3.2            | 4.8            | 3.1            | 220        |
| 240/500CAF3/W33 | 40531/500K | 500                     | 720  | 218 | 6                    | 4450                  | 9900  | 300                 | 400 | 528                                | 692                | 5                  | 0.3  | 2.3            | 3.4            | 2.2            | 276        |
| 231/500CAF3/W33 | 30537/500K | 500                     | 830  | 264 | 7.5                  | 6850                  | 13400 | 280                 | 360 | 536                                | 794                | 6                  | 0.31 | 2.2            | 3.2            | 2.1            | 567        |
| 241/500CAF3/W33 | 40537/500K | 500                     | 830  | 325 | 7.5                  | 8000                  | 16000 | 280                 | 360 | 536                                | 794                | 6                  | 0.39 | 1.7            | 2.6            | 1.7            | 666        |
| 222/500CAF3/W33 | 535/500K   | 500                     | 920  | 243 | 7.5                  | 7350                  | 12900 | 280                 | 360 | 536                                | 884                | 6                  | 0.28 | 2.4            | 3.6            | 2.3            | 758        |
| 232/500CAF3/W33 | 30532/500K | 500                     | 920  | 336 | 7.5                  | 9000                  | 16600 | 260                 | 320 | 536                                | 884                | 6                  | 0.38 | 1.8            | 2.7            | 1.8            | 969        |
| 242/500CAF3/W33 |            | 500                     | 920  | 412 | 7.5                  | 11600                 | 23200 | 260                 | 320 | 536                                | 884                | 6                  | 0.47 | 1.4            | 2.2            | 1.4            | 1290       |
| 223/500CAF3/W33 | 536/500K   | 500                     | 1030 | 300 | 12                   | 9800                  | 16300 | 240                 | 300 | 546                                | 984                | 10                 | 0.32 | 2.1            | 3.1            | 2              | 1260       |
| 248/530CAF3/W33 |            | 530                     | 650  | 118 | 3                    | 1748                  | 5035  | 380                 | 480 | 544                                | 636                | 2.5                | 0.15 | 4.5            | 6.7            | 4.5            | 86         |
| 239/530CAF3/W33 | 30539/530K | 530                     | 710  | 136 | 5                    | 2930                  | 6800  | 360                 | 450 | 552                                | 688                | 4                  | 0.17 | 4              | 6              | 3.9            | 149        |
| 249/530CAF3/W33 | 40539/530K | 530                     | 710  | 180 | 5                    | 3650                  | 9000  | 340                 | 430 | 552                                | 688                | 4                  | 0.24 | 2.9            | 4.3            | 2.8            | 208        |
| 230/530CAF3/W33 | 30531/530K | 530                     | 780  | 185 | 6                    | 4400                  | 9200  | 340                 | 430 | 558                                | 752                | 5                  | 0.22 | 3.1            | 4.6            | 3              | 298        |
| 240/530CAF3/W33 | 40531/530K | 530                     | 780  | 250 | 6                    | 5400                  | 11800 | 280                 | 360 | 558                                | 752                | 5                  | 0.31 | 2.2            | 3.3            | 2.2            | 390        |
| 231/530CAF3/W33 | 30537/530K | 530                     | 870  | 272 | 7.5                  | 7150                  | 14100 | 260                 | 340 | 566                                | 834                | 6                  | 0.3  | 2.2            | 3.3            | 2.2            | 628        |
| 241/530CAF3/W33 | 40537/530K | 530                     | 870  | 335 | 7.5                  | 8500                  | 17500 | 260                 | 340 | 566                                | 834                | 6                  | 0.38 | 1.8            | 2.6            | 1.7            | 773        |
| 222/530CAF3/W33 | 535/530K   | 530                     | 980  | 258 | 9.5                  | 8300                  | 14600 | 260                 | 320 | 574                                | 936                | 8                  | 0.28 | 2.4            | 3.6            | 2.4            | 914        |
| 232/530CAF3/W33 | 30532/530K | 530                     | 980  | 355 | 9.5                  | 10100                 | 18800 | 240                 | 300 | 574                                | 936                | 8                  | 0.38 | 1.8            | 2.7            | 1.7            | 1170       |
| 242/530CAF3/W33 |            | 530                     | 980  | 450 | 9.5                  | 13400                 | 27500 | 220                 | 280 | 574                                | 936                | 8                  | 0.48 | 1.4            | 2.1            | 1.4            | 1610       |
| 223/530CAF3/W33 | 536/530K   | 530                     | 1090 | 325 | 12                   | 11000                 | 18300 | 220                 | 280 | 584                                | 1036               | 10                 | 0.33 | 2              | 3.1            | 2              | 1530       |
| 26/540CAF3/W33X |            | 540                     | 820  | 195 | 6                    | 5000                  | 10700 | 320                 | 400 | 591                                | 776                | 5                  | 0.22 | 3              | 4.5            | 2.9            | 377        |
| 26/545CAF3/W33X |            | 545                     | 755  | 230 | 4                    | 4550                  | 10800 | 320                 | 400 | 563                                | 737                | 3                  | 0.28 | 2.45           | 3.65           | 2.4            | 301        |
| 238/560CAF3/W33 | 30538/560K | 560                     | 680  | 90  | 3                    | 1650                  | 4450  | 360                 | 460 | 564                                | 666                | 2.5                | 0.11 | 5.97           | 8.88           | 5.83           | 66.1       |
| 239/560CAF3/W33 | 30539/560K | 560                     | 750  | 140 | 5                    | 3100                  | 7250  | 340                 | 430 | 582                                | 728                | 4                  | 0.16 | 4.1            | 6.1            | 4              | 172        |
| 249/560CAF3/W33 | 40539/560K | 560                     | 750  | 190 | 5                    | 4050                  | 10200 | 320                 | 400 | 582                                | 728                | 4                  | 0.24 | 2.9            | 4.3            | 2.8            | 246        |
| 230/560CAF3/W33 | 30531/560K | 560                     | 820  | 195 | 6                    | 5000                  | 10700 | 320                 | 400 | 588                                | 792                | 5                  | 0.22 | 3              | 4.5            | 2.9            | 344        |
| 240/560CAF3/W33 | 40531/560K | 560                     | 820  | 258 | 6                    | 5950                  | 13300 | 260                 | 340 | 588                                | 792                | 5                  | 0.3  | 2.2            | 3.3            | 2.2            | 440        |
| 231/560CAF3/W33 | 30537/560K | 560                     | 920  | 280 | 7.5                  | 7850                  | 15500 | 240                 | 320 | 596                                | 884                | 6                  | 0.3  | 2.3            | 3.4            | 2.2            | 727        |
| 241/560CAF3/W33 | 40537/560K | 560                     | 920  | 355 | 7.5                  | 9400                  | 19600 | 240                 | 320 | 596                                | 884                | 6                  | 0.39 | 1.8            | 2.6            | 1.7            | 886        |
| 222/560CAF3/W33 | 535/560K   | 560                     | 1030 | 272 | 9.5                  | 9000                  | 16000 | 240                 | 300 | 604                                | 986                | 8                  | 0.28 | 2.4            | 3.6            | 2.3            | 1060       |
| 232/560CAF3/W33 | 30532/560K | 560                     | 1030 | 365 | 9.5                  | 10900                 | 20500 | 220                 | 280 | 604                                | 986                | 8                  | 0.36 | 1.9            | 2.8            | 1.8            | 1320       |
| 242/560CAF3/W33 |            | 560                     | 1030 | 475 | 9.5                  | 14600                 | 30000 | 220                 | 260 | 604                                | 986                | 8                  | 0.48 | 1.4            | 2.1            | 1.4            | 1860       |
| 223/560CAF3/W33 | 536/560K   | 560                     | 1150 | 335 | 12                   | 12000                 | 20400 | 200                 | 260 | 614                                | 1096               | 10                 | 0.32 | 2.1            | 3.1            | 2.1            | 1750       |
| 26/580CAF3/W33X |            | 580                     | 780  | 130 | 5                    | 2740                  | 6500  | 340                 | 430 | 627                                | 742                | 4                  | 0.15 | 4.6            | 6.9            | 4.5            | 178        |



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| Bearing Numbers |            | Boundary dimensions(mm) |      |     |                      | Basic load rating(kN) |       | Limiting speed(rpm) |     | Abutment and fillet dimensions(mm) |                    |                    |      | Value          |                |                | Weight(kg) |
|-----------------|------------|-------------------------|------|-----|----------------------|-----------------------|-------|---------------------|-----|------------------------------------|--------------------|--------------------|------|----------------|----------------|----------------|------------|
| New             | Old        | d                       | D    | B   | r <sub>1, 2min</sub> | Cr                    | Cor   | Grease              | Oil | d <sub>a min</sub>                 | D <sub>a max</sub> | r <sub>a max</sub> | e    | Y <sub>1</sub> | Y <sub>2</sub> | Y <sub>0</sub> | Refer      |
| 239/600CAF3/W33 | 30539/600K | 600                     | 800  | 150 | 5                    | 3450                  | 8100  | 320                 | 400 | 622                                | 778                | 4                  | 0.17 | 3.9            | 5.9            | 3.9            | 205        |
| 249/600CAF3/W33 | 40539/600K | 600                     | 800  | 200 | 5                    | 4500                  | 11400 | 320                 | 380 | 622                                | 778                | 4                  | 0.23 | 2.9            | 4.4            | 2.9            | 292        |
| 26/600CAF3/W33X |            | 600                     | 820  | 175 | 6                    | 3800                  | 8850  | 300                 | 380 | 654                                | 776                | 5                  | 0.18 | 3.7            | 5.5            | 3.6            | 271        |
| 230/600CAF3/W33 | 30531/600K | 600                     | 870  | 200 | 6                    | 5450                  | 12200 | 300                 | 360 | 628                                | 842                | 5                  | 0.21 | 3.3            | 4.8            | 3.2            | 389        |
| 240/600CAF3/W33 | 40531/600K | 600                     | 870  | 272 | 6                    | 6600                  | 15100 | 240                 | 320 | 628                                | 842                | 5                  | 0.3  | 2.2            | 3.3            | 2.2            | 529        |
| 231/600CAF3/W33 | 30537/600K | 600                     | 980  | 300 | 7.5                  | 8750                  | 17500 | 220                 | 280 | 636                                | 944                | 6                  | 0.3  | 2.3            | 3.4            | 2.2            | 898        |
| 241/600CAF3/W33 | 40537/600K | 600                     | 980  | 375 | 7.5                  | 10400                 | 21900 | 220                 | 280 | 636                                | 944                | 6                  | 0.39 | 1.8            | 2.6            | 1.7            | 1050       |
| 222/600CAF3/W33 | 535/600K   | 600                     | 1090 | 280 | 9.5                  | 9650                  | 17300 | 200                 | 280 | 644                                | 1046               | 8                  | 0.27 | 2.5            | 3.7            | 2.4            | 1180       |
| 232/600CAF3/W33 | 30532/600K | 600                     | 1090 | 388 | 9.5                  | 12700                 | 24900 | 200                 | 260 | 644                                | 1046               | 8                  | 0.36 | 1.9            | 2.8            | 1.8            | 1590       |
| 242/600CAF3/W33 |            | 600                     | 1090 | 488 | 9.5                  | 16000                 | 33500 | 180                 | 260 | 644                                | 1046               | 8                  | 0.47 | 1.5            | 2.2            | 1.4            | 2130       |
| 238/630CAF3/W33 | 30538/630K | 630                     | 780  | 112 | 4                    | 2080                  | 5795  | 320                 | 400 | 648                                | 762                | 3                  | 0.12 | 5.6            | 8.4            | 5.6            | 120        |
| 248/630CAF3/W33 |            | 630                     | 780  | 150 | 4                    | 3050                  | 8800  | 320                 | 380 | 648                                | 762                | 3                  | 0.17 | 4.07           | 6.06           | 3.98           | 158        |
| 239/630X2CAF3/W |            | 630                     | 850  | 145 | 6                    | 3450                  | 7950  | 300                 | 380 | 685                                | 805                | 5                  | 0.15 | 4.4            | 6.6            | 4.3            | 227        |
| 239/630CAF3/W33 | 239/630K   | 650                     | 850  | 165 | 6                    | 4000                  | 9350  | 300                 | 360 | 658                                | 822                | 5                  | 0.18 | 3.8            | 5.6            | 3.7            | 259        |
| 249/630CAF3/W33 | 40539/630K | 650                     | 850  | 212 | 6                    | 5200                  | 12900 | 280                 | 360 | 658                                | 822                | 5                  | 0.24 | 2.8            | 4.2            | 2.8            | 371        |
| 230/630CAF3/W33 | 30531/630K | 650                     | 920  | 212 | 7.5                  | 5900                  | 12700 | 280                 | 340 | 666                                | 884                | 6                  | 0.22 | 3.1            | 4.7            | 3.1            | 468        |
| 240/630CAF3/W33 | 40531/630K | 650                     | 920  | 290 | 7.5                  | 7550                  | 17700 | 220                 | 300 | 666                                | 884                | 6                  | 0.3  | 2.2            | 3.3            | 2.2            | 637        |
| 231/630CAF3/W33 | 30537/630K | 650                     | 1030 | 315 | 7.5                  | 9600                  | 19400 | 200                 | 260 | 666                                | 994                | 6                  | 0.3  | 2.3            | 3.4            | 2.2            | 1040       |
| 241/630CAF3/W33 | 40537/630K | 650                     | 1030 | 400 | 7.5                  | 11300                 | 23900 | 200                 | 260 | 666                                | 994                | 6                  | 0.38 | 1.8            | 2.7            | 1.7            | 1250       |
| 222/630CAF3/W33 | 535/630K   | 650                     | 1150 | 300 | 12                   | 11000                 | 20000 | 180                 | 240 | 684                                | 1096               | 10                 | 0.28 | 2.4            | 3.6            | 2.4            | 1440       |
| 232/630CA/W33   | 30532/630K | 650                     | 1150 | 412 | 12                   | 13400                 | 25600 | 180                 | 240 | 684                                | 1096               | 10                 | 0.36 | 1.9            | 2.8            | 1.8            | 1850       |
| 242/630CAF3/W33 |            | 650                     | 1150 | 515 | 12                   | 17600                 | 37500 | 180                 | 240 | 684                                | 1096               | 10                 | 0.47 | 1.5            | 2.2            | 1.4            | 2510       |
| 238/670CAF3/W33 | 30538/670K | 670                     | 820  | 112 | 4                    | 2137                  | 6080  | 280                 | 360 | 688                                | 802                | 3                  | 0.11 | 6.1            | 9.1            | 6.3            | 130        |
| 239/670CA/W33   | 30539/670K | 670                     | 900  | 170 | 6                    | 4350                  | 10300 | 260                 | 340 | 698                                | 872                | 5                  | 0.17 | 3.9            | 5.8            | 3.8            | 300        |
| 249/670CAF3/W33 | 40539/670K | 670                     | 900  | 230 | 6                    | 5700                  | 14600 | 260                 | 340 | 698                                | 872                | 5                  | 0.24 | 2.8            | 4.2            | 2.8            | 433        |
| 239/670X1CAF3/W |            | 670                     | 920  | 170 | 6                    | 4350                  | 10300 | 260                 | 340 | 726                                | 874                | 5                  | 0.17 | 3.9            | 5.8            | 3.8            | 343        |
| 230/670CAF3/W33 | 30531/670K | 670                     | 980  | 230 | 7.5                  | 6850                  | 15000 | 240                 | 320 | 706                                | 944                | 6                  | 0.22 | 3.1            | 4.7            | 3.1            | 571        |
| 240/670CAF3/W33 | 40531/670K | 670                     | 980  | 308 | 7.5                  | 8450                  | 19500 | 200                 | 260 | 706                                | 944                | 6                  | 0.3  | 2.2            | 3.3            | 2.2            | 773        |
| 231/670CAF3/W33 | 30537/670K | 670                     | 1090 | 336 | 7.5                  | 10600                 | 21600 | 190                 | 240 | 706                                | 1054               | 6                  | 0.3  | 2.2            | 3.3            | 2.2            | 1230       |
| 241/670CAF3/W33 | 40537/670K | 670                     | 1090 | 412 | 7.5                  | 12400                 | 26500 | 190                 | 240 | 706                                | 1054               | 6                  | 0.37 | 1.8            | 2.7            | 1.8            | 1440       |
| 222/670CAF3/W33 | 535/670K   | 670                     | 1220 | 315 | 12                   | 12200                 | 22400 | 190                 | 240 | 724                                | 1166               | 10                 | 0.27 | 2.5            | 3.7            | 2.4            | 1700       |
| 232/670CAF3/W33 | 30532/670K | 670                     | 1220 | 438 | 12                   | 14900                 | 28700 | 170                 | 220 | 724                                | 1166               | 10                 | 0.37 | 1.8            | 2.7            | 1.8            | 2210       |
| 242/670CAF3/W33 |            | 670                     | 1220 | 545 | 12                   | 19600                 | 40500 | 170                 | 200 | 724                                | 1166               | 10                 | 0.47 | 1.4            | 2.2            | 1.4            | 2960       |
| 26/675CAF3/W33X |            | 675                     | 920  | 153 | 6                    | 3950                  | 8950  | 180                 | 260 | 732                                | 874                | 5                  | 0.15 | 4.6            | 6.9            | 4.5            | 296        |
| 26/680CAF3/W33X |            | 680                     | 980  | 220 | 7.5                  | 6050                  | 14000 | 160                 | 200 | 716                                | 944                | 6                  | 0.21 | 3.17           | 4.72           | 3.1            | 550        |
| 239/710CAF3/W33 | 30539/710K | 710                     | 950  | 180 | 6                    | 4800                  | 11700 | 240                 | 300 | 738                                | 922                | 5                  | 0.17 | 3.9            | 5.8            | 3.8            | 352        |
| 249/710CAF3/W33 | 40539/710K | 710                     | 950  | 243 | 6                    | 5576                  | 14820 | 200                 | 280 | 738                                | 922                | 5                  | 0.22 | 3              | 4.6            | 2.8            | 495        |
| 230/710CAF3/W33 | 30531/710K | 710                     | 1030 | 236 | 7.5                  | 7100                  | 15800 | 240                 | 280 | 746                                | 994                | 6                  | 0.22 | 3.1            | 4.6            | 3              | 647        |
| 240/710CAF3/W33 | 40531/710K | 710                     | 1030 | 315 | 7.5                  | 8850                  | 20700 | 190                 | 240 | 746                                | 994                | 6                  | 0.29 | 2.3            | 3.4            | 2.2            | 861        |
| 231/710CAF3/W33 | 30537/710K | 710                     | 1150 | 345 | 9.5                  | 11800                 | 24500 | 180                 | 240 | 785                                | 1083               | 8                  | 0.29 | 2.3            | 3.4            | 2.3            | 1420       |
| 241/710CAF3/W33 | 40537/710K | 710                     | 1150 | 438 | 9.5                  | 13900                 | 30500 | 170                 | 220 | 754                                | 1106               | 8                  | 0.38 | 1.8            | 2.6            | 1.7            | 1730       |
| 222/710CAF3/W33 | 535/710K   | 710                     | 1280 | 325 | 12                   | 13700                 | 24500 | 170                 | 220 | 764                                | 1226               | 10                 | 0.27 | 2.5            | 3.7            | 2.4            | 1900       |
| 232/710CAF3/W33 | 30532/710K | 710                     | 1280 | 450 | 12                   | 15700                 | 30500 | 160                 | 200 | 764                                | 1226               | 10                 | 0.36 | 1.9            | 2.8            | 1.8            | 2470       |
| 242/710CAF3/W33 |            | 710                     | 1280 | 560 | 12                   | 20800                 | 43000 | 160                 | 200 | 764                                | 1226               | 10                 | 0.46 | 1.5            | 2.2            | 1.5            | 3300       |
| 26/730CAF3/W33X |            | 730                     | 980  | 170 | 6                    | 4600                  | 10700 | 200                 | 260 | 789                                | 932                | 5                  | 0.15 | 4.4            | 6.6            | 4.3            | 347        |
| 238/750CAF3/W33 | 30538/750K | 750                     | 920  | 128 | 5                    | 2783                  | 8075  | 240                 | 320 | 772                                | 898                | 4                  | 0.11 | 6.1            | 9.1            | 6.3            | 135        |
| 239/750CAF3/W33 | 30539/750K | 750                     | 1000 | 185 | 6                    | 5250                  | 12800 | 220                 | 280 | 778                                | 972                | 5                  | 0.17 | 4.1            | 6              | 4              | 398        |
| 239/750X2CAF3/W |            | 750                     | 1000 | 200 | 6                    | 5250                  | 12800 | 220                 | 280 | 810                                | 952                | 5                  | 0.17 | 4.1            | 6              | 4              | 433        |

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| Bearing Numbers |            | Boundary dimensions(mm) |      |     |                      | Basic load rating(kN) |       | Limiting speed(rpm) |     | Abutment and fillet dimensions(mm) |                    |                    |      | Value          |                |                | Weight(kg) |
|-----------------|------------|-------------------------|------|-----|----------------------|-----------------------|-------|---------------------|-----|------------------------------------|--------------------|--------------------|------|----------------|----------------|----------------|------------|
| New             | Old        | d                       | D    | B   | r <sub>1, 2min</sub> | Cr                    | Cor   | Grease              | Oil | d <sub>a min</sub>                 | D <sub>a max</sub> | r <sub>a max</sub> | e    | Y <sub>1</sub> | Y <sub>2</sub> | Y <sub>0</sub> | Refer      |
| 249/750CAF3/W33 | 40539/750K | 750                     | 1000 | 250 | 6                    | 7750                  | 17200 | 190                 | 260 | 778                                | 972                | 5                  | 0.22 | 3              | 4.6            | 3.2            | 560        |
| 230/750CAF3/W33 | 30531/750K | 750                     | 1090 | 250 | 7.5                  | 7750                  | 17200 | 220                 | 260 | 786                                | 1054               | 6                  | 0.22 | 3.1            | 4.6            | 3              | 768        |
| 240/750CAF3/W33 | 40531/750K | 750                     | 1090 | 335 | 7.5                  | 10100                 | 24000 | 180                 | 220 | 786                                | 1054               | 6                  | 0.29 | 2.3            | 3.4            | 2.2            | 1030       |
| 231/750CAF3/W33 | 30537/750K | 750                     | 1220 | 365 | 9.5                  | 13100                 | 27300 | 160                 | 200 | 826                                | 1152               | 8                  | 0.29 | 2.3            | 3.4            | 2.3            | 1700       |
| 241/750CAF3/W33 | 40537/750K | 750                     | 1220 | 475 | 9.5                  | 17600                 | 40500 | 160                 | 200 | 826                                | 1152               | 8                  | 0.38 | 1.8            | 2.6            | 1.7            | 2290       |
| 222/750CAF3/W33 | 535/750K   | 750                     | 1360 | 345 | 15                   | 14600                 | 27000 | 140                 | 190 | 814                                | 1296               | 12                 | 0.27 | 2.5            | 3.7            | 2.4            | 2340       |
| 232/750CAF3/W33 | 30532/750K | 750                     | 1360 | 475 | 15                   | 17700                 | 35500 | 140                 | 190 | 814                                | 1296               | 12                 | 0.36 | 1.9            | 2.8            | 1.8            | 2980       |
| 26/760CAF3/W33X |            | 760                     | 1140 | 285 | 7.5                  | 8600                  | 19200 | 200                 | 260 | 828                                | 1081               | 6                  | 0.23 | 3              | 4.4            | 2.9            | 1010       |
| 26/760CAF3/W33X |            | 760                     | 1140 | 325 | 7.5                  | 10000                 | 23800 | 200                 | 240 | 796                                | 1104               | 6                  | 0.24 | 2.79           | 4.15           | 2.73           | 1104       |
| 26/780CAF3/W33X |            | 780                     | 1180 | 285 | 7.5                  | 9850                  | 21100 | 220                 | 260 | 849                                | 1121               | 6                  | 0.22 | 3.1            | 4.6            | 3              | 1100       |
| 26/780CAF3/W33X |            | 780                     | 1220 | 375 | 9.5                  | 12800                 | 28700 | 210                 | 240 | 824                                | 1176               | 8                  | 0.3  | 2.25           | 3.34           | 2.2            | 1615       |
| 26/790CAF3/W33X |            | 790                     | 1100 | 310 | 7.5                  | 8650                  | 21000 | 220                 | 260 | 826                                | 1064               | 6                  | 0.24 | 2.76           | 4.11           | 2.7            | 857        |
| 248/800CAF3/W33 |            | 800                     | 980  | 180 | 5                    | 3933                  | 12255 | 180                 | 240 | 822                                | 958                | 4                  | 0.15 | 4.5            | 6.7            | 4.5            | 300        |
| 239/800CAF3/W33 | 30539/800K | 800                     | 1060 | 195 | 6                    | 5600                  | 13700 | 220                 | 260 | 828                                | 1032               | 5                  | 0.17 | 4              | 6              | 3.9            | 462        |
| 249/800CAF3/W33 | 40539/800K | 800                     | 1060 | 258 | 6                    | 7500                  | 20000 | 220                 | 240 | 828                                | 1032               | 5                  | 0.23 | 3              | 4.4            | 2.9            | 646        |
| 230/800CAF3/W33 | 30531/800K | 800                     | 1150 | 258 | 7.5                  | 8350                  | 19100 | 200                 | 240 | 836                                | 1114               | 6                  | 0.21 | 3.2            | 4.7            | 3.1            | 870        |
| 230/800X2CAF3/W |            | 800                     | 1150 | 280 | 7.5                  | 8350                  | 19100 | 180                 | 220 | 836                                | 1114               | 6                  | 0.21 | 3.2            | 4.7            | 3.1            | 941        |
| 240/800CAF3/W33 | 40531/800K | 800                     | 1150 | 345 | 7.5                  | 10900                 | 26300 | 160                 | 200 | 836                                | 1114               | 6                  | 0.27 | 2.5            | 3.7            | 2.5            | 1130       |
| 231/800CAF3/W33 | 30537/800K | 800                     | 1280 | 375 | 9.5                  | 13800                 | 29200 | 150                 | 190 | 844                                | 1236               | 8                  | 0.28 | 2.4            | 3.6            | 2.3            | 1870       |
| 241/800CAF3/W33 | 40537/800K | 800                     | 1280 | 475 | 9.5                  | 17480                 | 38475 | 130                 | 170 | 844                                | 1236               | 8                  | 0.35 | 1.9            | 2.9            | 1.8            | 2300       |
| 232/800CAF3/W33 | 30532/800K | 800                     | 1420 | 488 | 15                   | 20300                 | 41000 | 130                 | 170 | 864                                | 1356               | 12                 | 0.35 | 1.9            | 2.8            | 1.9            | 3250       |
| 238/850CAF3/W33 | 30538/850K | 850                     | 1030 | 136 | 5                    | 3173                  | 9500  | 190                 | 260 | 872                                | 1008               | 4                  | 0.11 | 6.1            | 9.1            | 6.3            | 240        |
| 239/850CAF3/W33 | 30539/850K | 850                     | 1120 | 200 | 6                    | 6100                  | 15200 | 190                 | 240 | 878                                | 1092               | 5                  | 0.16 | 4.2            | 6.2            | 4.1            | 523        |
| 249/850CAF3/W33 | 40539/850K | 850                     | 1120 | 272 | 6                    | 7760                  | 21660 | 170                 | 220 | 878                                | 1092               | 5                  | 0.22 | 3              | 4.6            | 2.8            | 740        |
| 230/850CAF3/W33 | 30531/850K | 850                     | 1220 | 272 | 7.5                  | 9300                  | 21400 | 180                 | 220 | 886                                | 1184               | 6                  | 0.21 | 3.2            | 4.8            | 3.1            | 1020       |
| 230/850X2CAF3/W |            | 850                     | 1220 | 290 | 7.5                  | 9150                  | 22000 | 180                 | 220 | 886                                | 1184               | 6                  | 0.23 | 2.98           | 4.44           | 2.92           | 1103       |
| 230/850X2CAF3/W |            | 850                     | 1220 | 305 | 7.5                  | 9300                  | 23500 | 170                 | 220 | 886                                | 1184               | 6                  | 0.22 | 3.1            | 4.6            | 3              | 1170       |
| 240/850X2CAF3/W |            | 850                     | 1220 | 330 | 7.5                  | 11000                 | 26900 | 160                 | 210 | 886                                | 1184               | 6                  | 0.23 | 2.9            | 4.31           | 2.83           | 1203       |
| 240/850CAF3/W33 | 40531/850K | 850                     | 1220 | 365 | 7.5                  | 11600                 | 28300 | 150                 | 190 | 886                                | 1184               | 6                  | 0.28 | 2.4            | 3.6            | 2.4            | 1350       |
| 231/850CAF3/W33 | 30537/850K | 850                     | 1360 | 400 | 12                   | 15800                 | 34000 | 130                 | 180 | 941                                | 1279               | 10                 | 0.28 | 2.4            | 3.5            | 2.3            | 2260       |
| 241/850CAF3/W33 | 40537/850K | 850                     | 1360 | 500 | 12                   | 21200                 | 48000 | 130                 | 170 | 941                                | 1279               | 10                 | 0.36 | 1.9            | 2.8            | 1.8            | 2970       |
| 232/850CAF3/W33 | 30532/850K | 850                     | 1500 | 515 | 15                   | 22300                 | 45500 | 120                 | 160 | 914                                | 1436               | 12                 | 0.35 | 1.9            | 2.8            | 1.9            | 3890       |
| 248/900CAF3/W33 |            | 900                     | 1090 | 190 | 5                    | 4427                  | 14535 | 170                 | 220 | 922                                | 1068               | 4                  | 0.14 | 4.8            | 7.2            | 4.5            | 370        |
| 239/900CAF3/W33 | 30539/900K | 900                     | 1180 | 206 | 6                    | 6600                  | 16700 | 180                 | 220 | 928                                | 1152               | 5                  | 0.16 | 4.3            | 6.4            | 4.2            | 591        |
| 249/900CAF3/W33 | 40539/900K | 900                     | 1180 | 280 | 6                    | 9150                  | 24500 | 170                 | 220 | 928                                | 1152               | 5                  | 0.22 | 3.1            | 4.6            | 3              | 852        |
| 230/900CAF3/W33 | 30531/900K | 900                     | 1280 | 280 | 7.5                  | 9850                  | 22800 | 160                 | 200 | 936                                | 1244               | 6                  | 0.2  | 3.3            | 4.9            | 3.2            | 1160       |
| 230/900X2CAF3/W |            | 900                     | 1280 | 305 | 7.5                  | 10300                 | 24800 | 160                 | 200 | 936                                | 1244               | 6                  | 0.2  | 3.3            | 4.9            | 3.2            | 1250       |
| 240/900CAF3/W33 | 40531/900K | 900                     | 1280 | 375 | 7.5                  | 12800                 | 31500 | 140                 | 180 | 936                                | 1244               | 6                  | 0.28 | 2.4            | 3.6            | 2.4            | 1520       |
| 231/900CAF3/W33 | 30537/900K | 900                     | 1420 | 412 | 12                   | 17000                 | 37000 | 120                 | 160 | 993                                | 1338               | 10                 | 0.28 | 2.4            | 3.6            | 2.3            | 2490       |
| 232/900CAF3/W33 | 30532/900K | 900                     | 1580 | 515 | 15                   | 23400                 | 47500 | 110                 | 140 | 964                                | 1516               | 12                 | 0.33 | 2              | 3              | 2              | 4300       |
| 239/950CAF3/W33 | 30539/950K | 950                     | 1250 | 224 | 7.5                  | 7600                  | 19900 | 160                 | 200 | 986                                | 1214               | 6                  | 0.16 | 4.2            | 6.3            | 4.1            | 732        |
| 249/950CAF3/W33 | 40539/950K | 950                     | 1250 | 300 | 7.5                  | 8740                  | 24700 | 140                 | 180 | 986                                | 1214               | 6                  | 0.21 | 3.2            | 4.8            | 3.2            | 1000       |
| 26/950CAF3/W33X |            | 950                     | 1280 | 260 | 7.5                  | 8650                  | 22200 | 140                 | 180 | 986                                | 1244               | 6                  | 0.17 | 3.98           | 5.92           | 3.89           | 921        |
| 230/950X1CAF3/W |            | 950                     | 1330 | 300 | 7.5                  | 8400                  | 21200 | 130                 | 170 | 986                                | 1294               | 6                  | 0.18 | 3.66           | 5.46           | 3.58           | 1214       |
| 230/950CAF3/W33 | 30531/950K | 950                     | 1360 | 300 | 7.5                  | 11300                 | 26500 | 150                 | 190 | 986                                | 1324               | 6                  | 0.21 | 3.2            | 4.8            | 3.2            | 1400       |
| 230/950X2CAF3/W |            | 950                     | 1360 | 320 | 7.5                  | 11500                 | 28000 | 130                 | 180 | 986                                | 1324               | 6                  | 0.2  | 3.33           | 4.96           | 3.25           | 1447       |
| 240/950CAF3/W33 | 40531/950K | 950                     | 1360 | 412 | 7.5                  | 14500                 | 36500 | 120                 | 160 | 986                                | 1324               | 6                  | 0.28 | 2.4            | 3.6            | 2.3            | 1880       |
| 230/950X1CAF3/W |            | 950                     | 1400 | 300 | 7.5                  | 11400                 | 25200 | 120                 | 160 | 1026                               | 1336               | 6                  | 0.2  | 3.4            | 5.1            | 3.3            | 1570       |



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| Bearing Numbers |             | Boundary dimensions(mm) |      |     |                      | Basic load rating(kN) |       | Limiting speed(rpm) |     | Abutment and fillet dimensions(mm) |                    |                    |      | Value          |                |                | Weight(kg) |
|-----------------|-------------|-------------------------|------|-----|----------------------|-----------------------|-------|---------------------|-----|------------------------------------|--------------------|--------------------|------|----------------|----------------|----------------|------------|
| New             | Old         | d                       | D    | B   | r <sub>1, 2min</sub> | Cr                    | Cor   | Grease              | Oil | d <sub>a min</sub>                 | D <sub>a max</sub> | r <sub>a max</sub> | e    | Y <sub>1</sub> | Y <sub>2</sub> | Y <sub>0</sub> | Refer      |
| 26/950CAF3/W33X |             | 950                     | 1400 | 380 | 7.5                  | 14100                 | 33500 | 110                 | 140 | 986                                | 1364               | 6                  | 0.24 | 2.77           | 4.13           | 2.71           | 1937       |
| 232/950CAF3/W33 | 30532/950K  | 950                     | 1660 | 530 | 15                   | 24700                 | 50500 | 100                 | 130 | 1014                               | 1596               | 12                 | 0.32 | 2.1            | 3.1            | 2.1            | 4800       |
| 238/1000CAF3/W3 | 30538/1000K | 1000                    | 1220 | 165 | 6                    | 4427                  | 13585 | 160                 | 200 | 1028                               | 1192               | 5                  | 0.12 | 5.6            | 8.4            | 5.6            | 410        |
| 248/1000CAF3/W3 |             | 1000                    | 1220 | 218 | 6                    | 6550                  | 20800 | 160                 | 200 | 1028                               | 1192               | 5                  | 0.16 | 4.3            | 6.4            | 4.2            | 567        |
| 239/1000CAF3/W3 | 30539/1000K | 1000                    | 1320 | 236 | 7.5                  | 8200                  | 21700 | 150                 | 190 | 1036                               | 1284               | 6                  | 0.16 | 4.3            | 6.4            | 4.2            | 881        |
| 239/1000X2CAF3/ |             | 1000                    | 1320 | 258 | 7.5                  | 8500                  | 22600 | 150                 | 190 | 1036                               | 1284               | 6                  | 0.16 | 4.23           | 6.3            | 4.14           | 911        |
| 249/1000CAF3/W3 | 40539/1000K | 1000                    | 1320 | 315 | 7.5                  | 9880                  | 27550 | 140                 | 170 | 1036                               | 1284               | 6                  | 0.21 | 3.2            | 4.8            | 3.2            | 1200       |
| 230/1000CAF3/W3 | 30531/1000K | 1000                    | 1420 | 308 | 7.5                  | 11900                 | 28100 | 140                 | 170 | 1036                               | 1384               | 6                  | 0.2  | 3.3            | 4.9            | 3.2            | 1560       |
| 230/1000CAF3/W3 | 30531/1000K | 1000                    | 1420 | 320 | 7.5                  | 11500                 | 28400 | 120                 | 160 | 1036                               | 1384               | 6                  | 0.2  | 3.5            | 5.1            | 3.4            | 1630       |
| 240/1000CAF3/W3 | 40531/1000K | 1000                    | 1420 | 412 | 7.5                  | 15300                 | 38500 | 110                 | 150 | 1036                               | 1384               | 6                  | 0.27 | 2.5            | 3.7            | 2.4            | 2010       |
| 231/1000CAF3/W3 | 30537/1000K | 1000                    | 1580 | 462 | 12                   | 20330                 | 45600 | 100                 | 140 | 1054                               | 1526               | 10                 | 0.28 | 2.4            | 3.6            | 2.5            | 3500       |
| 241/1000CAF3/W3 | 40537/1000K | 1000                    | 1580 | 580 | 12                   | 21375                 | 47500 | 100                 | 130 | 1054                               | 1526               | 10                 | 0.35 | 1.9            | 2.9            | 1.8            | 4300       |
| 238/1060CAF3/W3 | 30538/1060K | 1060                    | 1280 | 165 | 6                    | 4530                  | 14250 | 140                 | 180 | 1088                               | 1252               | 5                  | 0.11 | 6.1            | 9.1            | 6.3            | 435        |
| 248/1060CAF3/W3 |             | 1060                    | 1280 | 218 | 6                    | 5795                  | 19000 | 140                 | 180 | 1088                               | 1252               | 5                  | 0.14 | 4.8            | 7.2            | 4.5            | 570        |
| 239/1060CAF3/W3 | 30539/1060K | 1060                    | 1400 | 250 | 7.5                  | 9300                  | 24400 | 130                 | 170 | 1096                               | 1364               | 6                  | 0.16 | 4.1            | 6.1            | 4              | 1030       |
| 249/1060CAF3/W3 | 40539/1060K | 1060                    | 1400 | 335 | 7.5                  | 10925                 | 30875 | 130                 | 170 | 1096                               | 1364               | 6                  | 0.21 | 3.2            | 4.8            | 3.2            | 1400       |
| 230/1060CAF3/W3 | 30531/1060K | 1060                    | 1500 | 325 | 9.5                  | 13000                 | 31500 | 120                 | 160 | 1104                               | 1456               | 8                  | 0.21 | 3.3            | 4.9            | 3.2            | 1790       |
| 230/1060X2CAF3/ |             | 1060                    | 1500 | 340 | 9.5                  | 13000                 | 31500 | 110                 | 140 | 1104                               | 1456               | 8                  | 0.21 | 3.3            | 4.9            | 3.2            | 1850       |
| 240/1060CAF3/W3 | 40531/1060K | 1060                    | 1500 | 438 | 9.5                  | 16800                 | 43000 | 100                 | 130 | 1104                               | 1456               | 8                  | 0.28 | 2.4            | 3.6            | 2.4            | 2410       |
| 238/1120CAF3/W3 | 30538/1120K | 1120                    | 1360 | 180 | 6                    | 6200                  | 18700 | 140                 | 180 | 1148                               | 1332               | 5                  | 0.11 | 5.97           | 8.89           | 5.84           | 536        |
| 248/1120CAF3/W3 |             | 1120                    | 1360 | 243 | 6                    | 6887                  | 22800 | 130                 | 170 | 1148                               | 1332               | 5                  | 0.15 | 4.5            | 6.7            | 4.5            | 735        |
| 239/1120CAF3/W3 | 30539/1120K | 1120                    | 1460 | 250 | 7.5                  | 9500                  | 26000 | 120                 | 160 | 1156                               | 1424               | 6                  | 0.15 | 4.4            | 6.6            | 4.3            | 1100       |
| 249/1120CAF3/W3 | 40539/1120K | 1120                    | 1460 | 335 | 7.5                  | 11115                 | 32775 | 110                 | 140 | 1156                               | 1424               | 6                  | 0.2  | 3.4            | 5              | 3.2            | 1500       |
| 230/1120CAF3/W3 | 30531/1120K | 1120                    | 1580 | 345 | 9.5                  | 15400                 | 38000 | 110                 | 140 | 1211                               | 1505               | 8                  | 0.2  | 3.4            | 5              | 3.3            | 2120       |
| 230/1120X2CAF3/ |             | 1120                    | 1580 | 360 | 9.5                  | 14700                 | 36000 | 110                 | 140 | 1211                               | 1505               | 8                  | 0.2  | 3.3            | 4.9            | 3.2            | 2230       |
| 230/1120X2CAF3/ |             | 1120                    | 1580 | 380 | 9.5                  | 15500                 | 38500 | 100                 | 130 | 1211                               | 1505               | 8                  | 0.21 | 3.2            | 4.8            | 3.2            | 2330       |
| 240/1120CAF3/W3 | 40531/1120K | 1120                    | 1580 | 462 | 9.5                  | 18700                 | 49500 | 95                  | 120 | 1211                               | 1505               | 8                  | 0.27 | 2.5            | 3.7            | 2.5            | 2790       |
| 238/1180CAF3/W3 | 30538/1180K | 1180                    | 1420 | 180 | 6                    | 5576                  | 17670 | 120                 | 160 | 1208                               | 1392               | 5                  | 0.11 | 6.1            | 9.1            | 6.3            | 575        |
| 248/1180CAF3/W3 |             | 1180                    | 1420 | 243 | 6                    | 7324                  | 25650 | 120                 | 160 | 1208                               | 1392               | 5                  | 0.14 | 4.8            | 7.2            | 4.5            | 770        |
| 239/1180CAF3/W3 | 30539/1180K | 1180                    | 1540 | 272 | 7.5                  | 10545                 | 29450 | 110                 | 140 | 1216                               | 1504               | 6                  | 0.16 | 4.2            | 6.3            | 4              | 1400       |
| 249/1180CAF3/W3 | 40539/1180K | 1180                    | 1540 | 355 | 7.5                  | 12635                 | 37050 | 100                 | 130 | 1216                               | 1504               | 6                  | 0.2  | 3.4            | 5              | 3.2            | 1800       |
| 240/1180CAF3/W3 | 40531/1180K | 1180                    | 1660 | 475 | 9.5                  | 20200                 | 52500 | 85                  | 110 | 1224                               | 1616               | 8                  | 0.27 | 2.5            | 3.7            | 2.4            | 3180       |
| 26/1200CAF3/W33 |             | 1200                    | 1700 | 410 | 9.5                  | 17000                 | 44000 | 80                  | 100 | 1294                               | 1622               | 8                  | 0.21 | 3.2            | 4.8            | 3.1            | 2980       |
| 26/1220CAF3/W33 |             | 1220                    | 1680 | 380 | 9.5                  | 15800                 | 40500 | 80                  | 100 | 1315                               | 1603               | 8                  | 0.19 | 3.5            | 5.2            | 3.4            | 2500       |
| 248/1250CAF3/W3 | 40538/1250K | 1250                    | 1500 | 250 | 6                    | 8800                  | 30000 | 90                  | 120 | 1334                               | 1416               | 5                  | 0.14 | 4.7            | 7              | 4.6            | 918        |
| 239/1250CAF3/W3 | 30539/1250K | 1250                    | 1630 | 280 | 7.5                  | 11600                 | 31500 | 85                  | 110 | 1338                               | 1562               | 6                  | 0.15 | 4.4            | 6.6            | 4.3            | 1540       |
| 249/1250CAF3/W3 | 40539/1250K | 1250                    | 1630 | 375 | 7.5                  | 15600                 | 45000 | 85                  | 110 | 1338                               | 1562               | 6                  | 0.22 | 3.1            | 4.7            | 3.1            | 2150       |
| 230/1250CAF3/W3 | 30531/1250K | 1250                    | 1750 | 375 | 9.5                  | 17005                 | 42750 | 80                  | 100 | 1294                               | 1706               | 8                  | 0.19 | 3.6            | 5.3            | 3.6            | 2840       |
| 230/1250X2CAF3/ |             | 1250                    | 1750 | 390 | 9.5                  | 17400                 | 44500 | 80                  | 100 | 1346                               | 1671               | 8                  | 0.2  | 3.3            | 5              | 3.3            | 2860       |
| 230/1250X2CAF3/ |             | 1250                    | 1750 | 400 | 9.5                  | 18000                 | 46000 | 75                  | 100 | 1346                               | 1671               | 8                  | 0.2  | 3.4            | 5.1            | 3.3            | 2970       |
| 240/1250CAF3/W3 | 40531/1250K | 1250                    | 1750 | 500 | 9.5                  | 21000                 | 59500 | 75                  | 100 | 1294                               | 1706               | 8                  | 0.25 | 2.7            | 4              | 2.6            | 3700       |
| 248/1320CAF3/W3 |             | 1320                    | 1600 | 280 | 6                    | 9291                  | 31825 |                     |     | 1348                               | 1572               | 5                  | 0.15 | 4.5            | 6.7            | 4.5            | 1160       |
| 239/1320CAF3/W3 | 30539/1320K | 1320                    | 1720 | 300 | 7.5                  | 13600                 | 38000 |                     |     | 1356                               | 1684               | 6                  | 0.16 | 4.34           | 6.46           | 4.24           | 1900       |
| 239/1320X2CAF3/ |             | 1320                    | 1720 | 350 | 7.5                  | 13500                 | 38500 |                     |     | 1411                               | 1650               | 6                  | 0.17 | 4              | 5.9            | 3.9            | 2100       |
| 249/1320CAF3/W3 | 40539/1320K | 1320                    | 1720 | 400 | 7.5                  | 15295                 | 46550 |                     |     | 1356                               | 1684               | 6                  | 0.21 | 3.2            | 4.8            | 3.2            | 2500       |
| 240/1320X2CAF3/ |             | 1320                    | 1850 | 480 | 12                   | 21200                 | 58500 |                     |     | 1429                               | 1760               | 10                 | 0.22 | 3              | 4.5            | 2.9            | 4060       |
| 240/1320CAF3/W3 | 40531/1320K | 1320                    | 1850 | 530 | 12                   | 22600                 | 63500 |                     |     | 1374                               | 1796               | 10                 | 0.26 | 2.6            | 3.9            | 2.6            | 4400       |
| 26/1350CAF3/W33 |             | 1350                    | 1800 | 500 | 7.5                  | 19200                 | 56500 |                     |     | 1442                               | 1728               | 6                  | 0.25 | 2.7            | 4              | 2.6            | 3660       |



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| Bearing Numbers |             | Boundary dimensions(mm) |      |     |                      | Basic load rating(kN) |       | Limiting speed(rpm) |     | Abutment and fillet dimensions(mm) |                    |                    |      | Value          |                |                | Weight(kg) |
|-----------------|-------------|-------------------------|------|-----|----------------------|-----------------------|-------|---------------------|-----|------------------------------------|--------------------|--------------------|------|----------------|----------------|----------------|------------|
| New             | Old         | d                       | D    | B   | r <sub>1, 2min</sub> | Cr                    | Cor   | Grease              | Oil | d <sub>a min</sub>                 | D <sub>a max</sub> | r <sub>a max</sub> | e    | Y <sub>1</sub> | Y <sub>2</sub> | Y <sub>0</sub> | Refer      |
| 26/1370CAF3/W33 |             | 1370                    | 1780 | 265 | 9.5                  | 11900                 | 31500 |                     |     | 1471                               | 1701               | 8                  | 0.13 | 5.1            | 7.7            | 5              | 1650       |
| 248/1400CAF3/W3 |             | 1400                    | 1700 | 300 | 7.5                  | 12000                 | 40500 |                     |     | 1498                               | 1602               | 6                  | 0.16 | 4.3            | 6.5            | 4.3            | 1500       |
| 239/1400CAF3/W3 | 30539/1400K | 1400                    | 1820 | 315 | 9.5                  | 14300                 | 40500 |                     |     | 1502                               | 1740               | 8                  | 0.16 | 4.3            | 6.5            | 4.2            | 2140       |
| 249/1400CAF3/W3 | 40539/1400K | 1400                    | 1820 | 425 | 9.5                  | 20000                 | 58500 |                     |     | 1502                               | 1740               | 8                  | 0.22 | 3.1            | 4.6            | 3              | 3020       |
| 26/1400CAF3/W33 |             | 1400                    | 1900 | 440 | 12                   | 18000                 | 54500 |                     |     | 1513                               | 1809               | 10                 | 0.2  | 3.3            | 5              | 3.3            | 3710       |
| 26/1400CAF3/W33 |             | 1400                    | 1900 | 530 | 12                   | 22700                 | 64500 |                     |     | 1513                               | 1809               | 10                 | 0.25 | 2.7            | 4              | 2.6            | 4510       |
| 240/1400CAF3/W3 | 40531/1400K | 1400                    | 1950 | 545 | 12                   | 24500                 | 65000 |                     |     | 1454                               | 1896               | 10                 | 0.25 | 2.7            | 4              | 2.6            | 4900       |
| 26/1470CAF3/W33 |             | 1470                    | 1900 | 375 | 12                   | 15500                 | 48000 |                     |     | 1585                               | 1809               | 10                 | 0.16 | 4.3            | 6.4            | 4.2            | 2770       |
| 248/1500CAF3/W3 | 40538/1500K | 1500                    | 1820 | 315 | 7.5                  | 11115                 | 38475 |                     |     | 1536                               | 1684               | 6                  | 0.21 | 3.2            | 4.8            | 3.2            | 1700       |
| 26/1500CAF3/W33 |             | 1500                    | 1900 | 375 | 12                   | 15500                 | 48000 |                     |     | 1617                               | 1809               | 10                 | 0.16 | 4.3            | 6.4            | 4.2            | 2540       |
| 239/1500CAF3/W3 | 30539/1500K | 1500                    | 1950 | 335 | 9.5                  | 16000                 | 47500 |                     |     | 1544                               | 1784               | 6                  | 0.16 | 4.2            | 6.3            | 4.1            | 2800       |
| 249/1500CAF3/W3 | 40539/1500K | 1500                    | 1950 | 450 | 9.5                  | 19665                 | 59850 |                     |     | 1544                               | 1784               | 6                  | 0.15 | 4.5            | 6.7            | 4.5            | 3550       |
| 26/1590CAF3/W33 |             | 1590                    | 2000 | 380 | 9.5                  | 16100                 | 50000 |                     |     | 1700                               | 1916               | 8                  | 0.15 | 4.5            | 6.7            | 4.4            | 2770       |

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