



# MOTOR METHOD GUIDE TABLE



Digital Counter Readings VS. Octane Number at Standard Knock Intensity at 29.92 " Hg Barometer Pressure For 9/16" Venturi.

| DC Units            | 0    | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | DC Units            | 0    | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | DC Units |      |
|---------------------|------|------|------|------|------|------|------|------|------|------|---------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|
| Motor Octane Number |      |      |      |      |      |      |      |      |      |      | Motor Octane Number |      |       |       |       |       |       |       |       |       |       |          |      |
| 300                 | 58.0 | 58.1 | 58.2 | 58.3 | 58.4 | 58.6 | 58.7 | 58.8 | 58.9 | 59.0 | 300                 | 700  | 87.6  | 87.7  | 87.7  | 87.8  | 87.8  | 87.9  | 87.9  | 88.0  | 88.0  | 88.1     | 700  |
| 310                 | 59.2 | 59.3 | 59.4 | 59.5 | 59.6 | 59.7 | 59.8 | 60.0 | 60.1 | 60.2 | 310                 | 710  | 88.1  | 88.2  | 88.2  | 88.2  | 88.3  | 88.3  | 88.4  | 88.4  | 88.5  | 88.5     | 710  |
| 320                 | 60.3 | 60.4 | 60.5 | 60.6 | 60.7 | 60.8 | 60.9 | 61.0 | 61.1 | 61.3 | 320                 | 720  | 88.6  | 88.6  | 88.7  | 88.7  | 88.8  | 88.8  | 88.9  | 88.9  | 89.0  | 89.0     | 720  |
| 330                 | 61.4 | 61.5 | 61.6 | 61.7 | 61.8 | 61.9 | 62.0 | 62.1 | 62.3 | 62.4 | 330                 | 730  | 89.1  | 89.1  | 89.2  | 89.2  | 89.3  | 89.3  | 89.4  | 89.4  | 89.5  | 89.5     | 730  |
| 340                 | 62.5 | 62.6 | 62.7 | 62.8 | 62.9 | 63.0 | 63.1 | 63.2 | 63.3 | 63.4 | 340                 | 740  | 89.6  | 89.6  | 89.7  | 89.7  | 89.8  | 89.8  | 89.9  | 89.9  | 90.0  | 90.0     | 740  |
| 350                 | 63.5 | 63.6 | 63.7 | 63.8 | 63.9 | 64.0 | 64.1 | 64.3 | 64.4 | 64.5 | 350                 | 750  | 90.1  | 90.1  | 90.2  | 90.2  | 90.3  | 90.3  | 90.4  | 90.4  | 90.5  | 90.5     | 750  |
| 360                 | 64.6 | 64.7 | 64.8 | 64.9 | 65.0 | 65.1 | 65.2 | 65.3 | 65.4 | 65.5 | 360                 | 760  | 90.6  | 90.6  | 90.7  | 90.7  | 90.8  | 90.8  | 90.9  | 90.9  | 91.0  | 91.0     | 760  |
| 370                 | 65.6 | 65.7 | 65.8 | 65.9 | 66.0 | 66.1 | 66.2 | 66.3 | 66.4 | 66.5 | 370                 | 770  | 91.1  | 91.1  | 91.2  | 91.2  | 91.2  | 91.3  | 91.3  | 91.4  | 91.4  | 91.5     | 770  |
| 380                 | 66.6 | 66.7 | 66.8 | 66.9 | 67.0 | 67.1 | 67.2 | 67.2 | 67.3 | 67.4 | 380                 | 780  | 91.5  | 91.6  | 91.6  | 91.7  | 91.7  | 91.8  | 91.8  | 91.9  | 91.9  | 92.0     | 780  |
| 390                 | 67.5 | 67.6 | 67.7 | 67.8 | 67.9 | 68.0 | 68.1 | 68.2 | 68.3 | 68.4 | 390                 | 790  | 92.0  | 92.1  | 92.1  | 92.2  | 92.2  | 92.3  | 92.3  | 92.4  | 92.4  | 92.5     | 790  |
| 400                 | 68.5 | 68.6 | 68.7 | 68.8 | 68.8 | 68.9 | 69.0 | 69.1 | 69.2 | 69.3 | 400                 | 800  | 92.5  | 92.6  | 92.6  | 92.7  | 92.7  | 92.8  | 92.8  | 92.9  | 92.9  | 93.0     | 800  |
| 410                 | 69.4 | 69.4 | 69.5 | 69.6 | 69.7 | 69.8 | 69.9 | 70.0 | 70.0 | 70.1 | 410                 | 810  | 93.0  | 93.1  | 93.1  | 93.2  | 93.2  | 93.3  | 93.3  | 93.4  | 93.4  | 93.5     | 810  |
| 420                 | 70.2 | 70.3 | 70.4 | 70.5 | 70.6 | 70.7 | 70.7 | 70.8 | 70.9 | 71.0 | 420                 | 820  | 93.5  | 93.6  | 93.6  | 93.7  | 93.7  | 93.8  | 93.8  | 93.9  | 93.9  | 94.0     | 820  |
| 430                 | 71.1 | 71.2 | 71.2 | 71.3 | 71.4 | 71.5 | 71.5 | 71.6 | 71.7 | 71.8 | 430                 | 830  | 94.0  | 94.0  | 94.1  | 94.1  | 94.2  | 94.2  | 94.3  | 94.3  | 94.4  | 94.4     | 830  |
| 440                 | 71.9 | 72.0 | 72.0 | 72.1 | 72.2 | 72.3 | 72.4 | 72.5 | 72.6 | 72.6 | 440                 | 840  | 94.5  | 94.5  | 94.6  | 94.6  | 94.7  | 94.7  | 94.8  | 94.8  | 94.9  | 94.9     | 840  |
| 450                 | 72.7 | 72.8 | 72.8 | 72.9 | 73.0 | 73.1 | 73.2 | 73.2 | 73.3 | 73.4 | 450                 | 850  | 95.0  | 95.0  | 95.1  | 95.1  | 95.2  | 95.2  | 95.3  | 95.3  | 95.4  | 95.4     | 850  |
| 460                 | 73.4 | 73.5 | 73.6 | 73.7 | 73.8 | 73.9 | 73.9 | 74.0 | 74.1 | 74.2 | 460                 | 860  | 95.5  | 95.5  | 95.6  | 95.6  | 95.7  | 95.7  | 95.8  | 95.8  | 95.9  | 95.9     | 860  |
| 470                 | 74.2 | 74.3 | 74.4 | 74.4 | 74.5 | 74.6 | 74.7 | 74.7 | 74.8 | 74.9 | 470                 | 870  | 96.0  | 96.0  | 96.1  | 96.1  | 96.2  | 96.2  | 96.3  | 96.3  | 96.4  | 96.4     | 870  |
| 480                 | 74.9 | 75.0 | 75.1 | 75.2 | 75.2 | 75.3 | 75.4 | 75.4 | 75.5 | 75.6 | 480                 | 880  | 96.5  | 96.6  | 96.6  | 96.7  | 96.7  | 96.8  | 96.8  | 96.9  | 96.9  | 97.0     | 880  |
| 490                 | 75.6 | 75.7 | 75.8 | 75.9 | 75.9 | 76.0 | 76.1 | 76.1 | 76.2 | 76.3 | 490                 | 890  | 97.0  | 97.1  | 97.1  | 97.2  | 97.2  | 97.3  | 97.3  | 97.4  | 97.4  | 97.5     | 890  |
| 500                 | 76.4 | 76.4 | 76.5 | 76.6 | 76.6 | 76.7 | 76.8 | 76.8 | 76.9 | 77.0 | 500                 | 900  | 97.5  | 97.6  | 97.6  | 97.7  | 97.7  | 97.8  | 97.8  | 97.9  | 97.9  | 98.0     | 900  |
| 510                 | 77.1 | 77.1 | 77.2 | 77.3 | 77.3 | 77.4 | 77.4 | 77.5 | 77.6 | 77.6 | 510                 | 910  | 98.0  | 98.1  | 98.2  | 98.2  | 98.3  | 98.3  | 98.4  | 98.4  | 98.5  | 98.5     | 910  |
| 520                 | 77.7 | 77.7 | 77.8 | 77.8 | 77.9 | 78.0 | 78.0 | 78.1 | 78.1 | 78.2 | 520                 | 920  | 98.6  | 98.6  | 98.7  | 98.8  | 98.8  | 98.9  | 98.9  | 99.0  | 99.0  | 99.1     | 920  |
| 530                 | 78.3 | 78.3 | 78.4 | 78.4 | 78.5 | 78.6 | 78.6 | 78.7 | 78.7 | 78.8 | 530                 | 930  | 99.1  | 99.2  | 99.2  | 99.3  | 99.3  | 99.4  | 99.5  | 99.5  | 99.6  | 99.6     | 930  |
| 540                 | 78.9 | 78.9 | 79.0 | 79.0 | 79.1 | 79.1 | 79.2 | 79.3 | 79.3 | 79.4 | 540                 | 940  | 99.7  | 99.7  | 99.8  | 99.8  | 99.9  | 99.9  | 99.9  | 100.0 | 100.0 | 100.1    | 940  |
| 550                 | 79.4 | 79.5 | 79.5 | 79.6 | 79.7 | 79.7 | 79.8 | 79.8 | 79.9 | 80.0 | 550                 | 950  | 100.2 | 100.2 | 100.3 | 100.4 | 100.4 | 100.5 | 100.6 | 100.7 | 100.7 | 100.8    | 950  |
| 560                 | 80.0 | 80.1 | 80.1 | 80.2 | 80.2 | 80.3 | 80.4 | 80.4 | 80.5 | 80.5 | 560                 | 960  | 100.9 | 101.0 | 101.1 | 101.2 | 101.2 | 101.3 | 101.4 | 101.5 | 101.6 | 101.6    | 960  |
| 570                 | 80.6 | 80.7 | 80.7 | 80.8 | 80.8 | 80.9 | 80.9 | 81.0 | 81.1 | 81.1 | 570                 | 970  | 101.7 | 101.8 | 101.8 | 101.9 | 102.0 | 102.0 | 102.1 | 102.2 | 102.2 | 102.3    | 970  |
| 580                 | 81.2 | 81.2 | 81.3 | 81.4 | 81.4 | 81.5 | 81.5 | 81.6 | 81.6 | 81.7 | 580                 | 980  | 102.4 | 102.6 | 102.6 | 102.7 | 102.8 | 102.8 | 102.9 | 103.0 | 103.2 | 103.3    | 980  |
| 590                 | 81.8 | 81.8 | 81.9 | 81.9 | 82.0 | 82.0 | 82.1 | 82.2 | 82.2 | 82.3 | 590                 | 990  | 103.3 | 103.4 | 103.6 | 103.6 | 103.8 | 104.0 | 104.0 | 104.1 | 104.2 | 104.2    | 990  |
| 600                 | 82.3 | 82.4 | 82.4 | 82.5 | 82.6 | 82.6 | 82.7 | 82.7 | 82.8 | 82.8 | 600                 | 1000 | 104.3 | 104.4 | 104.4 | 104.5 | 104.6 | 104.7 | 104.8 | 104.9 | 105.0 | 105.0    | 1000 |
| 610                 | 82.9 | 83.0 | 83.0 | 83.1 | 83.1 | 83.2 | 83.2 | 83.3 | 83.4 | 83.4 | 610                 | 1010 | 105.1 | 105.2 | 105.3 | 105.3 | 105.4 | 105.5 | 105.6 | 105.7 | 105.8 | 105.9    | 1010 |
| 620                 | 83.5 | 83.5 | 83.6 | 83.7 | 83.7 | 83.8 | 83.8 | 83.9 | 83.9 | 84.0 | 620                 | 1020 | 106.0 | 106.1 | 106.2 | 106.2 | 106.3 | 106.4 | 106.5 | 106.6 | 106.7 | 106.8    | 1020 |
| 630                 | 84.0 | 84.1 | 84.2 | 84.2 | 84.3 | 84.3 | 84.4 | 84.4 | 84.5 | 84.5 | 630                 | 1030 | 106.9 | 107.0 | 107.1 | 107.2 | 107.3 | 107.4 | 107.5 | 107.6 | 107.7 | 107.8    | 1030 |
| 640                 | 84.6 | 84.6 | 84.7 | 84.7 | 84.8 | 84.8 | 84.9 | 84.9 | 85.0 | 85.0 | 640                 | 1040 | 107.9 | 108.0 | 108.2 | 108.3 | 108.4 | 108.5 | 108.6 | 108.8 | 108.9 | 109.0    | 1040 |
| 650                 | 85.1 | 85.1 | 85.2 | 85.2 | 85.3 | 85.3 | 85.4 | 85.4 | 85.5 | 85.5 | 650                 | 1050 | 109.2 | 109.2 | 109.3 | 109.4 | 109.6 | 109.7 | 109.8 | 109.9 | 110.0 | 110.2    | 1050 |
| 660                 | 85.6 | 85.6 | 85.7 | 85.7 | 85.8 | 85.8 | 85.9 | 86.0 | 86.0 | 86.1 | 660                 | 1060 | 110.3 | 110.4 | 110.5 | 110.6 | 110.8 | 110.9 | 111.0 | 111.1 | 111.2 | 111.4    | 1060 |
| 670                 | 86.1 | 86.2 | 86.2 | 86.3 | 86.3 | 86.4 | 86.4 | 86.5 | 86.5 | 86.6 | 670                 | 1070 | 111.5 | 111.6 | 111.7 | 111.8 | 112.0 | 112.1 | 112.2 | 112.3 | 112.4 | 112.5    | 1070 |
| 680                 | 86.6 | 86.7 | 86.7 | 86.8 | 86.8 | 86.9 | 86.9 | 87.0 | 87.0 | 87.1 | 680                 | 1080 | 112.7 | 112.8 | 112.9 | 113.0 | 113.1 | 113.3 | 113.4 | 113.5 | 113.6 | 113.7    | 1080 |
| 690                 | 87.1 | 87.2 | 87.2 | 87.3 | 87.3 | 87.4 | 87.4 | 87.5 | 87.5 | 87.6 | 690                 | 1090 | 113.8 | 113.9 | 114.0 | 114.2 | 114.3 | 114.4 | 114.5 | 114.6 | 114.8 | 114.9    | 1090 |