

## Yamaha RPM Range Chart

HP/Model	Wide Open Throttle RPM Range*	Gear Ratio
2	4000-5000	2.08
3	4500-5500	2.08
4 4-Stroke	4000-5000	2.08
5	4500-5500	2.08
6 4-Stroke	4500-5500	2.08
8	4500-5500	2.08
8 4-Stroke	5000-6000	2.08
8 4-Stroke HT	5000-6000	2.92
9.9	4500-5500	2.08
9.9 4-Stroke	4500-5500	2.92
9.9 4-Stroke HT	4000-5000	2.92
15	4500-5500	2.08
15 4-Stroke	4500-5500	2.08
25	4500-5500	2.08
25	4500-5500	1.85
25 4-Stroke	5500-6000	2.08
25 4-Stroke HT	5000-6000	2.41
30	4500-5500	1.85
30 4-Stroke	5000-6000	2
40	4500-5500	1.85
C40	4500-5500	1.85
F40 4-Stroke	5000-6000	2
50	4500-5500	1.85
C50	4500-5500	1.85
F50 4-Stroke	5000-6000	1.85
T50 HT	5000-6000	2.33

60	4500-5500	2.33
C60	4500-5500	2.33
70	5000-6000	2.33
C70	5000-6000	2.33
F80 4-Stroke	5000-6000	2.31
90	4500-5500	2
F90	4500-5500	2
F100 4-Stroke	5000-6000	2.31
115	4500-5500	2
F115 4-Stroke	5000-6000	2.15
130	5000-6000	2
150 SW EFI	4500-5500	1.86
150 HPDI	4500-5500	1.86
V Max 150 HPDI	4500-5500	2
V Max 150 TRP	4500-5500	2
V Max 150	4500-5500	2
V Max 150 EFI	4500-5500	2
175 HPDI	4500-5500	1.86
V Max 175	4500-5500	1.86
200 SW EFI	4500-5500	1.86
200 HPDI	4500-5500	1.86
V Max 200 HPDI	4500-5500	1.86
V Max 200 3.1 EFI	4500-5500	1.81
V Max 225 3.1 EFI	4500-5500	1.81
225 SW EFI	4500-5500	1.81
V Max 250 3.1	4500-5500	1.81
250 SW EFI	4500-5500	1.81
300 V Max HPDI	5000-6000	1.75
300 HPDI	4650-5650	1.75

## Suzuki RPM Range Chart

HP/Model	Wide Open Throttle RPM Range*	Gear Ratio
DF2.5	5250-5750	2.15
4	4000-5000	1.92
6	4750-5750	1.92
DF9.9	4500-5500	2.08
DF15	5400-6000	2.08
DF25	4700-5300	2.09
DF25R	4700-5300	2.09
DF30	5500-6100	2.09
DF40	5200-5800	2.27
DF50	5900-6500	2.27
DF60	4700-5300	2.42
DF70	5200-5800	2.42
DT85	5000-5600	2.08
DF90	4500-5500	2.59
DT100	5250-5750	2.08
115	5500-6000	2.08
DF115	5000-6000	2.59
DF140	5600-6200	2.59
DF150	5200-6000	2.5
DF175	5500-6100	2.5
DF200	5000-6000	2.29
DF225	5000-6000	2.29
DF250	5500-6100	2.29
DF300	5700-6300	2.08



## Evinrude RPM Range Chart

HP/Model	Wide Open Throttle RPM Range*	Gear Ratio
5 4-Stroke	5500-6500	2.23
6 4-Stroke	5500-6500	2.23
8 4-Stroke	5000-6000	2.42
9.9 4-Stroke	5000-6000	2.42
9.9HT 4-Stroke	4000-5000	2.42
15 4-Stroke	5000-6000	2.42
25 4-Stroke	4700-5300	2.09
30 4-Stroke	5200-5800	2.09
40 4-Stroke	5200-5800	2.27
40 E-Tec	5000-6000	2.67
50 4-Stroke	5900-6500	2.27
50 E-Tec	5500-6000	2.67
60 E-Tec	5500-6000	2.67
70 4-Stroke	5200-5800	2.42
75 E-Tec	4500-5500	2.01
75 Ficht	4750-5250	2.00
90 E-Tec	4500-5500	2.01/2.25
90 Ficht	5250-5750	2.00
115 E-Tec	5500-6000	2.01/2.25
115 Ficht	5250-5750	2.00
130 E-Tec	5000-6000	2.01/2.25
135 Ficht	4750-5250	1.86
150 E-Tec	4750-5750	1.86
150 E-Tec HO	4750-5750	1.86/1.85
150 Ficht	4750-5250	1.86
175 E-Tec	4750-5750	1.86/1.85

175 Ficht	5250-5750	1.86
200 E-Tec	4750-5750	1.86/1.85
200 E-Tec HO	4500-5800	1.86/1.85
200 Ficht	5500-6000	1.86
225 E-Tec	4500-5800	1.85
225 E-Tec HO	4500-5800	1.86
225 Ficht	5500-6000	1.86
225 Ficht HO	5500-6000	1.86
250 E-Tec	4500-5800	1.85
250 Ficht	5500-6000	1.86

## Johnson RPM Range Chart

HP/Model	Wide Open Throttle RPM Range*	Gear Ratio
2	4000-5000	1.85
3.3	4500-5500	1.85
3.5	4500-5500	1.85
4	4500-5500	2.08
5	4600-5400	1.92
6	4500-5500	2.23
8	5000-6000	2.23
9.9	5000-6000	2.23
15	5000-6000	2.23
25	4500-5500	2.15
25	5200-5800	2.15
30	5200-5800	2.15
35	5200-5800	2.15
40	4500-5500	2.23
50	4500-5500	2.23
60	5000-6000	2.23
70	5000-6000	2.23
90	4500-5500	2.00
90 OP	4500-5500	2.00
115	4500-5500	2.00
115 OP	4500-5500	2.00
135	5000-6000	2.25
135 OP	5000-6000	2.25
150	4500-5500	1.86
150 OP	4500-5500	1.86
175	4500-5500	1.86

175 OP	4500-5500		1.86
200	5000-6000		1.86
200 OP	5000-6000		1.86
225	5000-6000		1.86
225 OP	5000-6000		1.86
225 HO	5000-6000		1.86
250 OP	5000-6000		1.86



## Honda RPM Range Chart

HP/Model	Wide Open Throttle RPM Range*	Gear Ratio
2	5000-6000	2.11
5	4500-5500	2.11
8	4500-5500	2.33
9.9	5000-6000	2.33
15	4500-5500	2.08
25	5000-6600	2.08
30	5000-6000	2.08
40	5000-6000	2.08
50	5500-6000	2.08
75/75 EFI	5000-6000	2.33
90	5000-6000	2.33
90 EFI	5300-6300	2.33
115	5000-6000	2.00
135	5000-6000	2.14
150	5000-6000	2.14
200	5000-6000	1.86
225	5000-6000	1.86



## Mercury RPM Range Chart

HP/Model	Wide Open Throttle RPM Range*	Gear Ratio
2.5	4000-5000	1.85
3.3	4500-5500	2.15
4	4500-5500	2.15
4 4-Stroke	4500-5500	2.15
5	4000-5000	2.15
5 4-Stroke	4500-5500	2.15
6	4000-5000	2
6 4-Stroke	5000-6000	2.15
8	4500-5500	2
9.9	5000-6000	2
9.9 4-Stroke	4500-5500	2.01
9.9 Big Foot	4500-5500	2.42
9.9 Saltwater	4500-5500	2.42
15	5000-6000	2
15 4-Stroke	4500-5500	2
15 Big Foot	4500-5500	2.42
20	4500-5500	2.25
25 Classic	5000-6000	2.25
25 Big Foot	5500-6000	2.4
30	4500-5500	2
30 4-Stroke	5500-6000	2
40 Classic	4500-5500	2
40	5000-5500	1.83
40 4-Stroke	5500-6000	2
40 Big Foot	5500-6000	2.3
50 Classic	5000-5500	1.83

50 4-Stroke	5500-6000	1.83
50 Big Foot	5500-6000	2.3
60 Classic	5000-5500	1.64
60 Big Foot	5000-5500	2.3
60 4-Stroke	5500-6000	1.83
60 Big Foot	5500-6000	2.3
75 Classic	4750-5250	2.3
75 4-Stroke	5000-6000	2.3
90 Classic	5000-5500	2.3
90 Saltwater	5000-5500	2.3
90 4-Stroke	5000-6000	2.3
90 4-Stroke Saltwater	5000-6000	2.3
115	4750-5250	2.07
115 4-Stroke	5000-6000	2.07
115 4-Stroke Saltwater	5000-6000	2.07
125 Classic	4750-5250	2.07
125 Saltwater	4750-5250	2.07
135 Optimax	5000-5600	2
135 Saltwater Optimax	5000-5600	2
135 Verado	5200-6400	2.08
150 XR6	5000-5600	1.87
150 Saltwater	5000-5600	1.87
150 EFI	5000-5600	1.87
150 Saltwater EFI	5000-5600	1.87
150 Optimax	5000-5600	1.87
150 Verado	5800-6400	2.08
175 EFI	5000-5600	1.87
175 Optimax	5250-5750	1.87
175 Verado	5800-6400	2.08
200 Classic	5000-5600	1.87

## Tohatsu/Nissan RPM Range Chart

HP/Model	Wide Open Throttle RPM Range*	Gear Ratio
2.5	3800-5200	1.85
3.5	4300-5200	2.15
4 4-Stroke	4500-5500	2.15
5	4500-5500	2.15
5 4-Stroke	4500-5500	2.15
6 4-Stroke	5500-6000	2.15
8	4500-5500	2.08
9.8	5000-5800	2.08
9.9 4-Stroke	4500-5500	2.08
15 4-Stroke	5000-6000	2.15
18 4-Stroke	5000-6000	2.15
25 4-Stroke	5000-6000	1.92
30 4-Stroke	5250-6250	1.92
40	4500-5500	1.85
50	5000-5700	1.85
50	5000-5700	1.85
50 Orbital	5000-5700	1.85
70	4900-5600	2.3
90	5000-5500	2.00
115	5200-5700	2.00
120	5200-5700	2.00
140	5200-5700	2.00

## Mercruiser RPM Range Chart

HP/Model	Wide Open Throttle RPM Range*	Gear Ratio
3.0L 135	4400-4800	2.00 A1
4.3L 190	4400-4800	1.81 A1
4.3LH 205	4400-4800	1.62 A1
4.3LEF 210	4400-4800	1.62 A1
5.0L 220	4400-4800	1.62 A1
5.0L 220	4400-4800	1.65 B1
5.0LEFI 240	4400-4800	1.47 A1
5.0LEFI 240	4400-4800	1.65 B1
5.7L 250	4400-4800	1.47 A1
5.7L 250	4400-4800	1.65 B1
5.7L EFI 260	4400-4800	1.47 A1
5.7L EFI 260	4400-4800	1.65 B1
350 Mag MPI 300	4600-5000	1.47 A1
350 Mag MPI 300	4600-5000	1.50 B1
350 Horizon 300	4600-5000	1.47 A1
350 Horizon 300	4600-5000	1.50 B1
MX 6.2L MPI 320	4800-5200	1.65 B1
496 Mag 375	4400-4800	1.50 B1
496 Mag HK 425	4600-5000	1.50 B1