



Engine Oil Crankcase & Gear Lube Capacity

QUICK REFERENCE GUIDE

for all major brands of Outboards, Inboards & Sterndrives

Outboard 4-stroke Crankcase Capacity & Filter Charts

Honda.....	3
Evinrude/Johnson.....	3
Mercury.....	4
Nissan/Tohatsu.....	4
Suzuki.....	4
Yamaha.....	5

Outboard Lower Unit Capacity Charts

Chrysler/Force.....	5
Honda.....	5
Evinrude/Johnson.....	5-7
Mercury Mariner.....	7-8
Nissan/Tohatsu.....	8
Suzuki.....	8
Yamaha.....	8-10

Inboard & Sterndrive Engine Crankcase Capacity & Filter Charts

Mercruiser.....	11
Volvo Penta.....	12

Sterndrive Gearcase Capacity Charts

OMC.....	12-13
Mercruiser.....	13-14
Volvo Penta.....	14

Wiring Codes.....	14
-------------------	----





ENGINE CRANKCASE & LOWER UNIT CAPACITY CHARTS

Outboard Crankcase Capacity Charts

HONDA			
Model	Oil Capacity Std.	Oil Capacity Metric	Filter
BF2A/BF20	13.4 Oz	369 ml	N/A
BF2D	8.3 Oz	245 ml	N/A
BF5A/BF50	18.6 Oz	550 ml	N/A
BF8/BFP8/F80	25.6 Oz	757 ml	9-57804
BF75/BF100	25.6 Oz	757 ml	N/A
BF9.9A, BFP9.9	1.2 Qt	1.1 L	9-57804
BF15, BFP15	1.2 Qt	1.1 L	9-57804
BF20, D3, D4	2 Qt	1.9 L	9-57804
BF25A	2 Qt	1.9 L	9-57804
BF30A	2 Qt	1.9 L	9-57804
BF35AM	2.5 Qt	2.4 L	9-57804
BF40A	2.1 Qt	2 L	9-57804
BF45A	2.5 Qt	2.4 L	9-57804
BF50A	2.5 Qt	2.4 L	9-57804
BF75A	4.8 Qt	4.5 L	9-57810
BF90A	4.8 Qt	4.5 L	9-57810
BF115A	5.9 Qt	5.6 L	9-57810
BF130A	5.9 Qt	5.6 L	9-57810
BF135	6.9 Qt	6.5 L	9-57810
BF150	6.9 Qt	6.5 L	9-57810
BF200/BF225	8 Qt	7.6 L	9-57810

* With oil filter replaced

JOHNSON/EVINRUDE				
Model	Year	Oil Capacity Std.	Oil Capacity Metric	Filter
4/5	2003-05	23.6 Oz	700 ml	N/A
5	2000-01	27.0 Oz	798 ml	N/A
6	2003-04	27.0 Oz	798 ml	N/A
6	1997-01	27.0 Oz	798 ml	N/A
8	1996-01	1.06 Qt	1 L	N/A
8	2003-04	1.06 Qt	1 L	N/A
9.9	1997-98	1.06 Qt	1 L	N/A
9.9/15	1995-01	1.34 Qt	1.3 L	9-57813
9.9/15	2002-06	1.2 Qt	1.1 L	9-57807
25/30	2000-06	3.4 Qt	3.2 L	9-57808
40/50	1999-02	2.5 Qt	2.4 L	9-57808
60/70	2002-05	4.8 Qt	4.5 L	9-57808
70	1998-01	4.8 Qt	4.5 L	9-57813
90/115	2003-05	6.0 Qt	5.7 L	9-57814
140	2003-05	6.0 Qt	5.7 L	9-57815
200/225	2004-05	8.7 Qt	8.2 L	9-57818

Outboard Crankcase Capacity Charts

MERCURY					
Model	Year	Notes	Oil Capacity Std.	Oil Capacity Metric	Canister Filter
4/5	2005-up	—	15.4 Oz	455 ml	N/A
8	1995-2000	—	1.05 Qt	1 L	N/A
8	2001-2004	—	1.05 Qt	1 L	N/A
8	2005-up	—	27.2 Oz	804 ml	N/A
9.9	1995-1998	—	1.05 Qt	1 L	—
9.9	1999-2004	—	1.05 Qt	1 L	9-57800
9.9	2005-up	—	27.2 Oz	804 ml	9-57800
15	2005-up	—	1.05 Qt	1 L	9-57800
25	1998-2005	—	3.17 Qt	3 L	9-57804
25	2006	—	1.9 Qt	1.8 L	9-57800
30	1999-2005	—	3.17 Qt	3 L	9-57804
30	2006	—	1.9 Qt	1.8 L	9-57800
40	1999-up	—	3.17 Qt	3 L	9-57804
50	1995-2000	—	3.17 Qt	3 L	9-57804
50	2001-up	—	3.17 Qt	3 L	9-57804
60	2001-up	—	3.17 Qt	3 L	9-57804
75	2000-2005	—	5.28 Qt	5 L	9-57804
75	2006	1B366822& below	4.8 Qt	4.5 L	9-57804
75	2006-up	1B366823&UP	5.28 Qt	5 L	9-57822
90	2000-2005	—	5.28 Qt	5 L	9-57804
90	2006	1B366822& below	4.8 Qt	4.5 L	9-57804
90	2006-up	1B366823&UP	5.28 Qt	5 L	9-57822
115	2001-2006	1B366822& below	5.28 Qt	5 L	9-57804
115	2006-up	1B366823&UP	5.28 Qt	5 L	9-57822
135 Verado	2006-up	—	6.34 Qt	6 L	9-57821
150 Verado	2006-up	—	6.34 Qt	6 L	9-57821
175 Verado	2006-up	—	6.34 Qt	6 L	9-57821
225	2003-2006	EFI	6.34 Qt	6 L	9-57804
200 Verado	2005-up	—	7.4 Qt	7 L	9-57823
225 Verado	2005-up	—	7.4 Qt	7 L	9-57823
250 Verado	2005-up	—	7.4 Qt	7 L	9-57823
275 / 300 Verado	2005-up	—	7.4 Qt	7 L	9-57823

NISSAN / TOHATSU			
Model	Oil Capacity Std.	Oil Capacity Metric	Filter
2.5 / 3.5	10 oz	300 ml	N/A
4 / 5 / 6	15 oz	450 ml	N/A
8 / 9.8	27 oz	800 ml	9-57804
15 / 20	1 qt	1 L	9-57804
25 / 30	2 qt	1.8 L	9-57804

SUZUKI				
Model	Year	Oil Capacity Std.	Oil Capacity Metric	Filter
DF2.5	—	10.2 Oz	300 ml	
DF4	—	23.7 Oz	700 ml	
DF6	—	23.7 Oz	700 ml	
DF9.9/ DF9.9T	—	1.2 Qt	1.1 L	9-57807
DF15	—	1.2 Qt	1.1 L	9-57807
DF25/30	—	3.2 Qt	3 L	9-57817
DF25 M/E/R	—	1.6 Qt	1.5 L	
DF40/50	—	2.2 Qt	2.1 L	9-57817
DF60/70	—	4.5 Qt	4.2 L	9-57817
DF90/115	—	5.8 Qt	5.5 L	9-57814
DF140	—	5.8 Qt	5.5 L	9-57815
DF150/175	2007 & Up	8 Qt	7.6 L	9-57819
DF150/175	2006 & Earlier	8.5 Qt	8 L	9-57818
DF200/225/250	2007 & Up	8.7 Qt	8.2 L	9-57819
DF200/225/250	2006 & Earlier	8.5 Qt	8 L	9-57818
DF300	2007 & Up	8.7 Qt	8.2 L	9-57819

Outboard Crankcase Capacity Charts

YAMAHA				
Model	Year	Oil Capacity Std.	Oil Capacity Metric	Filter
F2.5	—	11.8 Oz	350 ml	N/A
F4	—	16.9 Oz	500 ml	N/A
F6, F/T8	—	27 Oz	800 ml	N/A
F/T9.9	1990-up	1.06 Qt	1 L	N/A
F15	1998-99	1.06 Qt	1 L	9-57804
F15	2000-up	1.06 Qt	1 L	9-57804
F20	1998-99	1.8 Qt	1.7 L	9-57804
F/T25	1998-99	1.8 Qt	1.7 L	9-57804
F/T25	2000-up	1.8 Qt	1.7 L	9-57804
F30	2001-up	2.1 Qt	2 L	9-57804
F40	1999-00	2.1 Qt	2 L	9-57804
F40	2001-up	2.1 Qt	2 L	9-57804
F50, T50	1996-99	2.1 Qt	2 L	9-57804
F50, T50	2000-up	2.1 Qt	2 L	9-57804
F60	2002-up	2.1 Qt	2 L	9-57804
T60	2003-up	2.1 Qt	2 L	9-57804
F75	2003-up	4.8 Qt	4.5 L	9-57804
F80	1999	4.8 Qt	4.5 L	9-57804
F80	2000-03	4.8 Qt	4.5 L	9-57804
F90	2003-up	4.8 Qt	4.5 L	9-57804
F100	1999	4.8 Qt	4.5 L	9-57804
F100	2000-02	4.8 Qt	4.5 L	9-57804
LF115	2000-up	4.8 Qt	4.5 L	9-57804
L/LF150/200/225/250	2002-up	6.1 Qt	5.8 L	9-57808
Add 7 oz with new filter				

Outboard Gearcase Capacity Charts

FORCE		
Model / HP	Capacity (Oz.)	Metric (ml)
5	4	120
9.9, 15	6.8	200
25	8.8	260
40,50	14.9	440
75	12	355
90, 120	22.5	655

HONDA		
Model / HP	Capacity (Oz.)	Metric (ml)
BF2A/BF20	1.6	47
BF5A/BF50	3.2	95
BF8A/BF80	7.4	219
BF75/BF100	7.4	219
BF9.9A	8.1	240
BF15A	8.1	240
BF25A	9.6	284
BF30A	9.6	284
BF35A	17.0	503
BF40A	17.0	503
BF45A	17.0	503
BF50A	17.0	503
BF75A	22.4	662
BF90A	22.4	662
BF115A	35.2	1041
BF130A	35.2	1041

JOHNSON/EVINRUDE			
Model / HP	Year	Capacity (Oz.)	Metric (ML)
1.5	1968-70	1	30
2	1971-85	2	59
Colt®/Junior®	1986-91	2	59
2.0,2.3,3.3	1991-Thru	3	89
2.5	1987-88	3	89
3	1952-72	3	89
3	1990-Thru	3	89
4(8110)	1969-82	4	118
4 (90)	1973-Thru	3	89
Ultra 4, Excel 4	1987-91	3	89
4 Deluxe	1986-Thru	11	325
4 4-Stroke	2003	7	207
4.5	1980-83	11	325
5	1965-68	3	89
5	1998	6.4	189
5.5	1954-64	9	266
6	1965-79	9	266
6	1984-Thru	11	325
6 4-Stroke	1997-Thru	11	325
7.5	1951-53	4	118
7.5	1954-58	9	266
7.5	1980-83	11	325
8	1984-Thru	11	325
8 4-Stroke	1995-Thru	9	266
9.5	1964-73	10	296
9.9 2-Stroke	1974-Thru	9	266

Outboard Gearcase Capacity Charts

JOHNSON/EVINRUDE			
Model / HP	Year	Capacity (Oz.)	Metric (ML)
9.9, 15 4-Stroke	1995-01	9	266
9.9, 15 4-Stroke	2002-Thru	6	177
10	1956-57	9	266
10	1958-63	10	296
14	1951-52	10	296
14	1988-90	8	237
15	1953-55	10	296
15	1956	9	266
15	1974-Thru	9	266
18	1957-73	9	266
20	1966-73	9	266
20	1985-Thru	11	325
25	1951-1955	14	414
25	1969-84	9	266
25 Comm.	1985-Thru	9	266
25 Comm. Thru Hub	1991-Thru	11	325
25	1985-Thru	11	325
25, 30 4-Stroke	2000-01	8	237
28	1962-64	14	414
28	1986-Thru	9	266
30	1956	14	414
30	1984-Thru	11	325
33	1965-70	14	414
35	1957-59	14	414
35	1976-82	10	296
35	1983-84	11	325
35 45 Cu. In./737 CC	1987	22	651
40	1960-76	14	414
40 Elec. Shift	1962-70	15	444
40 Comm.	1981-90	14	414
40 Comm. (RS)	1991-Thru	16	473
40 Comm. (RP,RW)	1993	22	651
40	1984-88	22	651
40	1989-Thru	16	473
45 Comm.	1986-Thru	22	651
48	1987-88	22	651
48	1989-Thru	16	473
40, 50 4-Stroke	1999-Thru	21	621
50	1958-59	35	1035
50 1971-72 Electric	1971-74	26	769
50	1975-88	22	651
50	1989-Thru	16	473
50 Comm.	1977-79	26	769
50 3 cyl. 56 Cu.In.	1995-Thru	22	651
55 Electric Shift 3 Cyl	1968-69	26	739
55	1976-79	22	651
55 Comm.	1980-Thru	22	651
60 Std.	1964-67	20	591
60 Heavy-Duty	1964-67	35	1035
60 Electric Shift	1970-71	26	769
60	1980-85	22	651
60	1986-Thru	22	651
60 4-Stroke	2002-Thru	19	562
65 Standard	1968	20	591
65 Heavy-Duty	1968	35	1035
65 1972 Electric	1972-73	26	769
65 Comm.	1984-Thru	22	651
70	1974-Thru	22	651
70 4-Stroke	1998-Thru	19	562
75	1960	22	651
75 Man. Shift	1961-65	20	591

JOHNSON/EVINRUDE			
Model / HP	Year	Capacity (Oz.)	Metric (ML)
75 Elec. Shift	1962-65	18	532
75 15" Small G/C	1975-88	22	651
75 20"	1975-84	25	739
80 Man. Shift	1966-67	20	591
80 Heavy-Duty	1966-67	35	1035
80 Elec. Shift	1966-67	18	532
85 Man. Shift - Std.	1968	20	591
85 Elec. Shift	1968	18	532
85 Elec. Shift	1969-71	27	798
85 1972 Elec. Shift	1972-76	28	828
85 20"	1977	29	858
85 25"	1977	35	1035
85	1978	38	1124
85	1979-80	27	798
85	1991-Thru	26	769
88	1987-Thru	26	769
90 Elec. Shift	1964-65	18	532
90 Cross V4	1981-Thru	26	769
90 60V4 EL,SL	1995-Thru	31	917
90 60V4EX, SXV6G/C	1995-Thru	34	1005
90 4-Stroke	2003-Thru	36	1065
100* Elec. Shift	1966	28	828
* Gearcase with Fill Plug Above Cavitation Plate		32	946
100 Elec. Shift	1967-68	38	1124
100 Elec. Shift	1971-72	27	798
100	1979-80	27	798
100	1988-Thru	26	769
100 Comm. V6 G/C	1984-Thru	34	1005
110	1986-89	26	769
112	1994-Thru	26	769
115 Elec. Shift	1969-70	27	798
115	1973-76	28	828
115 20"	1977	29	858
115 25"	1977	35	1035
115	1978	38	1124
115	1979-85	27	798
115	1990-Thru	26	769
115 4-Stroke	2003-Thru	36	1065
115 60V4EL,GL,SL	1995-Thru	31	917
115 60V4EX, SXV6G/C	1995-Thru	34	1005
120V6G/C	1985	34	1005
120	1986-1993	26	769
120 20"	1994	26	769
120 25" V6 G/C	1994	34	1005
125 Elec. Shift	1971-1972	27	798
130V6G/C	1995-Thru	34	1005
135	1973-74	28	828
135	1975-76	29	858
140	1977	35	1035
140	1978	38	1124
140	1979-84	27	798
140 4-Stroke	2003-Thru	36	1065
140V6G/C	1985	34	1005
140V4Loop	1986-87	26	769
140 20" V4 Loop	1988-94	26	769
140 25"V6 G/C	1988-94	34	1005
150	1978	43	1272
150	1979-82	29	858

Outboard Gearcase Capacity Charts

JOHNSON/EVINRUDE			
Model / HP	Year	Capacity (Oz.)	Metric (ML)
150 V6 Cross	1983-91	34	1005
150 60V6	1991-Thru	34	1005
150 DI	1997-Thru	34	1005
150 Comm.	1993-Thru	34	1005
155 Comm.	1984-90	77	2277
155 Comm.	1991-92	34	1005
175	1977	44	1301
175	1978	43	1272
175	1979-82	29	858
175	1983	34	1005
175 V6 Cross	1986-91	34	1005
175 60V6	1991-Thru	34	1005
175 DI	1998-Thru	34	1005
185	1984-85	34	1005
200	1976-77	44	1301
200	1978	43	1272
200	1979-82	29	858
200	1983	34	1005
200 V6 Loop	1986-Thru	34	1005
200/225 4-Stroke	2004	37	1094
225 V6 Loop	1986-Thru	34	1005
235	1978	43	1272
235	1979-82	28	828
235	1983-85	34	1005
2.6L	1984-85	34	1005
250 V8 Loop	1991-Thru	77	2277
275 V8 Loop	1985-87	77	2277
300 V8 Loop	1985-Thru	77	2277
3.6L V8 Loop	1985-87	77	2277
4.0 V8 Loop	1988-92	77	2277
Turbo Jet	1994-Thru	84.6	2502
Magnum	2002-Thru	44	1301
Magnum CX	2002-Thru	41	1212
OMC Sail Drive			
1977-86		20	591
OMC Sail Drive			
1.6L, 1.8L, 2.0L		27	798
2.5L, 2.6L, 2.7L, 3.0L		34	1005
3.6L, 4.0L		77	2277

MERCURY / MARINER		
Model / HP	Capacity (Oz.)	Metric (ml)
2-Stroke Outboards		
2.2 1984-up	3	90
2.2	4.5	135
2.5	4.5	135
3.3	4.5	135
3.5 1983-85	2.75	81
3.6 1980-82	2.75	81
39 1965-68	3	88

MERCURY / MARINER		
Model / HP	Capacity (Oz.)	Metric (ml)
40 1969-74	2	59
4 2 cyl. 1976-80	2.75	81
4 1986-87	3.75	111
4 1987-up	6.6	195
45 1975-78	3.75	111
4.5 1979-85	3.75	111
4.5	6.8	200
5	6.6	195
60 1965-68	3.75	111
6	6.8	200
75 1969-78	3.75	111
7.5 1979-85	3.75	111
8	6.8	200
110 1965-78	3.75	111
9.8	3.75	111
9.9	6.8	200
15	6.8	200
18	5.5	163
18XD	7.6	225
200 1965-73	6	177
200 1974	6.5	192
20 1979-80	6.5	195
20	8.8	260
25	8.8	260
30 - 2 cyl	14.9	440
350 1965-69	9	266
35 1984-up	12.5	370
400 1970-71	9	266
402 1972-78	12.5	270
40 1979-83	12.5	270
40 - 2 cyl	14.9	440
40 - 3 cyl	14.9	440
45	13	384
50 4 cyl	13	384
50 - 3 cyl	14.9	440
55	11.5	340
60	11.5	340
60 Bigfoot	22.5	665
70	13	384
75 - 4 cyl 1984-86	21	621
75 - 3 cyl	22.5	665
80 1978-83	21	621
85 1977	21	621
900 - 6 cyl 1965	17	503
900 - 6 cyl 1978	21	621
90 - 6 cyl 1979-up	21	621
90 - 3 cyl	22.5	665
950 - 6 cyl 1966-67	17	503
1000 - 6 cyl 1965	17	503
1000 - 6 cyl 1968-69	17	503
1100- 6 cyl 1966-67	17	503
100 - 4 cyl	22.5	665
1150 - 6 cyl 1970-78	17	503
115 - 6 cyl 1979-up	21	621
115 - 4 cyl	22.5	665
115 - 3 cyl Optimax	22.5	665
1250 - 6 cyl 1968-69	17	503
125 - 4 cyl	22.5	665
1350 - 6 cyl 1970-71	17	503
135 - 2.0L	22.5	665
1400 - 6 cyl 1972	21	621
140 - 6 cyl 1979-81	21	621

Outboard Gearcase Capacity Charts

MERCURY / MARINER		
Model / HP	Capacity (Oz.)	Metric (ml)
1500 - 6 cyl 1978	21	621
150 - 2.0L	22.5	665
150 - 2.5L	22.5	665
175 - 2.5L	22.5	665
200 - 2.5L	22.5	665
200 - 3.0L	27	798
225 - 3.0L	27	798
250 - 3.0L	27	798
300	29	857.6
3.4L	29	857.6
4-Stroke Outboards		
4.5	6.8	200
8, 9.9 - 2004 & Prior	6.8	200
8, 9.9 - 2005 & newer	10.8	320
9.9 2004 & Prior Bigfoot	8.8	260
9.9 2005 & newer Bigfoot	12.5	370
15	6.8	200
15 Bigfoot	8.8	260
25 Bigfoot	14.9	440
30,40 - 3 cyl	14.9	440
30,40 - 3 cyl Bigfoot	22.5	665
40, 45, 50 - 4 cyl	14.9	440
40, 45, 50 - 4 cyl Bigfoot	22.5	655
40 - 4 cyl Bigfoot 996 cc	24	710
50,60 - 4 cyl 996 cc	11.5	340
50,60 - 4 cyl 996 cc Bigfoot	24	710
75, 90	22.5	665
115	24	710
200 Verado	32.8	970
225	39	1150
225/250/275/300 Verado	32.8	970

NISSAN / TOHATSU		
Model / HP	Capacity (Oz.)	Metric (ml)
25 (4-Stroke)	9.5	281
30 (2-Stroke)	14.5	429
30 (4-Stroke)	9.5	281
40C (2 cyl)	15.9	470
40D (3 cyl)	16.9	500
NSD40 (TLDI)	16.9	50
50D (3 cyl)	16.9	500
NSD50 (TLDI)	16.9	500
70B (3 cyl)	23.7	701
70C (3 cyl)	30.4	899
NSD70 (TLDI)	30.4	899
90A (2-Stroke)	30.4	899
NSD90 (TLDI)	30.4	899
115A (2-Stroke)	30.4	899
NSD115 (TLDI)	30.4	899
140A (2-Stroke)	30.4	899

SUZUKI		
Model / HP	Capacity (Oz.)	Metric (ml)
DT2 (Short Shaft)	2.4	70
DT2 (Long Shaft)	4	120
DT3.5	2.9	85
DT4	6.4	190
DF4/6	6.4	190
DT5/6/8	11.5	240
DT8C/9.9C/9.9CN	5.9	175
DF9.9/15	5.9	175
DT9.9/15/15C	5.7	170
DT20/25/30/30C/35C	7.8	230
DF25/30	7.8	230
DT40	20.6	610
DF40/50	20.6	610
DT50/55/60/65	22	650
DF60/70	20.3	600
DT75/85	23.7	700
DT90/100	18.9	560
DT115/140	37.2	1100
DF90/115/140	35.5	1050
DT150/175/200/225	35.5	1050
DF150/175/200/225/250	37.2	1100

NISSAN / TOHATSU		
Model / HP	Capacity (Oz.)	Metric (ml)
2A & 3.5A (4-Stroke)	6.1	180
2.5A & 3.5A (2-Stroke)	3	89
3.5B (2-Stroke)	6	177
4 (4-Stroke)	6.6	195
5 (2-str/4-str)	6.6	195
6 (4-Stroke)	6.6	195
8 (2-str/4-str)	10.8	319
9.8 (2-str/4-str)	10.8	319
9.9 (2-Stroke)	12.5	370
9.9A (4-Stroke)	6.8	201
9.9B (4-Stroke)	12.5	370
15 (2-Stroke)	12.5	30
15A (4-Stroke)	6.8	201
15B (4-Stroke)	12.5	370
18 (2-str/4-str)	12.5	370
25 (2-Stroke)	14.5	429

YAMAHA 1984-2005 MODELS		
Model / HP	Capacity (Oz.)	Metric (ml)
2	1.5	45
F2.5	2.5	75
3	2.5	75
4	3.6	105
F4	3.5	100
5	3.6	105
6	5.4	160
8	5.4	160
F8	5.1	150
T8	10.9	320
9.9	6	185
F9.9	6	185

Outboard Gearcase Capacity Charts

YAMAHA 1984-2005 MODELS		
Model / HP	Capacity (Oz.)	Metric (ml)
T9.9	10.8	320
15 (1984-97)	6.03	185
15 (1998-02)	8.5	250
F15	8.5	250
20	12.7	370
25 (1984-87)	6.1	180
25 (1988-02)	12.7	370
25 3cyl.	6.8	200
C25	6.1	180
F25	10.8	320
T25	14.5	430
30	6.8	200
30 (1984-86) 3cyl.	6.1	180
30 (1987-02) 3cyl.	6.8	200
C30 (1989-92)	6.1	180
C30 (1993-97)	10.8	320
F30	14.5	430
40 (1984-94)	14	415
40 (1995-02)	14.5	430
C40 (1989-97)	10.6	315
C40 (1997-02) 3cyl.	14.5	430
F40	14.5	430
E48	16.9	500
50/P50 (1984-94)	14	415
50/P50 (1995-02)	14.5	430
C50	14.5	430
F50	14.5	430
T50 (1996-00)	14.5	430
T50 (2001-02)	20.6	610
C55	16.9	500
60	20.6	610
E60	20.6	610
F60	14.5	430
P60	20.6	610
T60	23	670
70	20.6	610
C70	20.6	610
C75	20.6	610
E75	20.6	610
F75	23	670
P75	20.6	610
C80	20.6	610
F80	23	670
C85	20.6	610
90/B90/C90	20.6	610
F90	23	670
F100*	23	670
115	25.7	760
B115/C115	25.7	760
F115	25.7	760
LF115	24.2	715
P115/S115	25.7	760
130	25.7	760
L130	24.2	715
S130	25.7	760
150	33.1	980
C150	33.1	980
D150 (1997-99)	30.4	900
DX150 (1999)	33.1	980
L150	29.4	870
SX150 (1999-02)	33.1	980
V150 (1998-99)	33.1	980

YAMAHA 1984-2005 MODELS		
Model / HP	Capacity (Oz.)	Metric (ml)
VX150	34.5	980
VZ150	33.1	980
Z150	33.1	980
175 (1984-99)	33.1	980
P175	33.1	980
S175	33.1	980
V175	33.1	980
VZ175	33.1	980
Z175	33.1	980
200 (1984-99)	33.1	980
F200	38.9	1150
L200 (1986-95)	30.4	900,
L200 (1996-99)	30.4	870
LF200	33.8	1000
LX200 (1999-02)	33.1	980
LZ200	29.4	870
P200	33.1	980
LF225	33.8	1000
LX225	33.8	1000
S225 3.1L	38.9	1150
SX225	33.8	1000
V225 3.1L	38.9	1150
VX225	38.9	1150
VZ225 3.3L	33.8	1000
250	38.9	1150
L250	33.8	1000
LX250	33.8	1000
S250	38.9	1150
LZ250 3.3L	38.9	1150
SX250	38.9	1150
VX250	38.9	1150
VZ250 3.3L	33.8	1000
Z250 3.3L	33.8	1000

Outboard Gearcase Capacity Charts

YAMAHA 2005 & NEWER MODELS		
Model / HP	Capacity (Oz.)	Metric (ml)
2 Stroke Models		
6/8	5.5	162.7
9.9/15	8.5	251.4
25	10.8	319.4
40/50	14.5	428.8
60/70/90	20.6	609.2
115	25.7	760.1
150, V150, VZ150, VZ175, Z200	33.1	978.9
LZ200	29.4	869.5
VZ200-300 (3.3L)	35.5	1049.9
Z200-300 (3.3L)	38.9	1150.4
4-Stroke Models		
F2.5	2.5	73.9
F4	3.4	100.6
F6	5	147.9
F8	5	147.9
T8	12.5	369.7
F9.9	6.2	183.4
T9.9	11	325.3
F15	8.5	251.4
F15C	8.5	251.4
F20	8.5	251.4
F25	11	325.3
T25	14.5	428.8
F30/40	14.5	428.8
F50/60	14.5	428.8
T50/60	23	680.2
F75/90	23	680.2
F115	26	768.9
F150	33	975.9
F200-250	39	1153.4
F300-350	51.4	1520.1

Outboard Gearcase Capacity Charts



www.ebasicpower.com/mallory



Scan code with your smart phone



Inboard Crankcase Capacity Charts

MERCUISER GASOLINE ENGINES					
Model	Year	Notes	Oil Capacity Std.	Oil Capacity Metric	Canister Filter
MCM 60	1965-68	Renault - L 4	2.75	2.6	—
MCM 80	1966-69	Renault - L 4	5	4.7	—
MCM 90	1970-72	Renault - L 4	5	4.7	—
MCM120/2.5L	1963-89	GM - L 4	4	3.8	9-57801
MCM140/3.0L/LX	1968-06	GM - L 4	4	3.8	9-57801
MCM 470/165/170/3.7L	1976-89	Mercury - L 4	5.5	5.2	9-57801
MCM 485	1980-82	Mercury - L 4	5.7	5.4	9-57801
MCM 488/180/190/3.7LX	1983-89	Mercury - L 4	6.5	6.1	9-57801
MCM 140	1963	GM - L 6	5	4.7	9-57801
MCM 160/165	1967-81	GM - L 6	5	4.7	9-57801
MCM 200	1969	GM - L 6	6	5.7	9-57801
MCM 185 (4bbl)	1983-84	GM - V-6	4.5	4.3	9-57803
MCM 175 (185)/205	1985-87	GM - V-6	4.5	4.3	9-57803
MCM262 Mag EFI	1996-97	GM - V-6	4.5	4.3	9-57803
MCM 4.3L/LX/LH/LHX & 262 Mag	1988-01	GM - V-6	4.5	4.3	9-57803
MCM 4.3L EFI	1998-01	GM - V-6	4.5	4.3	9-57803
MCM 4.3L, EFI & MPI	2002-06	GM - V-6	5.5	5.2	9-57803
MCM 888	1971-77	Ford - V-8	6	5.7	9-57802
MCM/MIE 225	1973-74	Ford - V-8	6	5.7	9-57802
MCM/MIE 215	1970-72	Ford - V-8	7	6.6	9-57802
MCM 190	1963-64	GM - V-8	5	4.7	9-57801
MCM 898/200/5.0L	1977-95	GM - V-8	5	4.7	9-57801
MCM 228	1977-78	GM - V-8	5	4.7	9-57801
MCM 230/5.0LX	1979-06	GM - V-8	5.5	5.2	9-57801
MIE 198/228/230/5.0L	1977-87	GM - V-8	6	5.7	9-57801
MCM 250	1963-66	GM - V-8	5	4.7	9-57801
MCM 250	1967-69	GM - V-8	7	6.6	9-57801
MIE 250	1968	GM - V-8	6	5.7	9-57801
MCM 250/255	1975-77	GM - V-8	5	4.7	9-57801
MCM 260/5.7L/LX	1978-06	GM - V-8	5.5	5.2	9-57801
MIE 255/260/5.7L	1975-93	GM - V-8	6	5.7	9-57801
MIE5.7L	1993-97	GM - V-8	4	3.8	9-57801
ME 5.7L 350 Mag MPI	1998-06	GM - V-8	5.5	5.2	9-57801
MIE Ski 5.7L	1985-89	GM - V-8	4	3.8	9-57801
MIE Ski 5.7L/350 Mag & EFI	1990-97	GM - V-8	5	4.7	9-57801
MIE Ski 5.7L/350 Mag & EFI	1998-06	GM - V-8	5.5	5.2	9-57801
Black Scorpion Ski (Gen+)	1996-97	GM - V-8	5	4.7	9-57801
Black Scorpion Ski (Gen+)	1998-06	GM - V-8	5.5	5.2	9-57801
MX 6.2L MPI	2000-06	GM/Mercury - V-8	5.5	5.2	9-57801
MX 6.2L Blk Scorpion Ski	2001-06	GM/Mercury - V-8	5.5	5.2	9-57801
MCM 233/255	1973-77	Ford - V-8	5	4.7	9-57802
MIE 233/255 - V-Drive	1973-76	Ford - V-8	7	6.6	—
MCM 325	1969-72	GM - V-8	8	7.6	9-57801
MIE 325	1968-74	GM-V-8	7	6.6	9-57801
MCM 330	1977-81	GM - V-8	6	5.7	9-57801
MOM 330/7.4L & 454 Mag Alpha	1982-87	GM - V-8	7	6.6	9-57801
MCM 7.4L & 454 Mag	1988-91	GM - V-8	8	7.6	9-57801
MCM 7.4L/LX & 454 Mag	1992-06	GM - V-8	7	6.6	9-57801
MIE 330	1974-80	GM - V-8	7	6.6	9-57801
MIE 340/7.4 w/Borg Warner trans.	1981-92	GM - V-8	7	6.6	9-57801
MIE 7.4L w/Hurth trans.	1989-92	GM - V-8	8	7.6	9-57801
MIE7.4L&454Mag	1992-06	GM - V-8	7	6.6	9-57801
MIE Ski 454 Mag	1995-97	GM - V-8	7	6.6	9-57801
MCM 390	1969-70	GM - V-8	8	7.6	9-57801
MIE 390	1969-70	GM - V-8	7	6.6	9-57801
MCM 496 Mag & HO	2001-06	GM - V-8	9	8.5	9-57801
MIE 8.1 S Horizon & HO	2001-06	GM - V-8	9	8.5	9-57801
MCM 502 Mag	1990-92	GM - V-8	8	7.6	9-57801
MCM 502 Mag	1992-06	GM - V-8	7	6.6	9-57801
MIE 8.2L	1990-96	GM - V-8	8	7.6	9-57801
MIE 8.2L	1996-06	GM - V-8	7	6.6	9-57801

Inboard Crankcase Capacity Charts

VOLVO PENTA GASOLINE ENGINES				
Model	Year	Oil Capacity Std.	Oil Capacity Metric	Canister Filter
AQ105A, AQ115A, AQ115B	L4	4.0	3.8	9-57806
AQ120B, AQ130C, AQ130D	L4	4.5	4.3	9-57806
AQ125A	L4	5.2	4.9	9-57806
AQ125B, AQ145A, AQ145B	L4	5.5	5.2	9-57806
AQ140A	L4	6.0	5.7	9-57806
AQ131A, AQ131B, AQ131C, AQ131D, AQ151A, AQ151B, AQ151C, AQ165A, AQ170A, AQ170B, AQ171A, AQ171C, 230, 250, 251	L4	4.0	3.8	9-57806
AQ170C	L4	6.5	6.2	9-57806
BB140A, BB145A, BB165A, BB170A/B/C, BB30, MB18, MB18F, MB20A/B/C	L4			9-57806
3.0GL, 3.0GLM-A, 3.0GLP-A, 3.0GS, 3.0GSM-A/B/C, 3.0GSP-A/B/C,	GM - I/L 4	5	4.7	9-57801
AQ175A	GM - V-6	4.1	3.9	9-57803
4.3GL, 4.3GS, 4.3Gi	GM - V-6	4.1	3.9	9-57803
AQ190A	Ford -V-8			9-57802
AQ240A	Ford -V-8			9-57802
AQ200A, AQ200B, AQ200C, AQ200D, AQ200E, AQ225A, AQ225B	GM - V-8	5.5	5.2	9-57801
AQ205, 430, 431, 432, 434	GM - V-6	4.5	4.3	9-57803
AQ211, AQ225C, AQ225D, AQ225F	GM - V-8	5.7	5.4	9-57801
AQ231, 500, 501	GM - V-8	5.7	5.4	9-57801
AQ271A, AQ271C	GM - V-8	5.7	5.4	9-57801
AQ280A, AQ290A	GM - V-8	5.7	5.4	9-57801
AQ311A, AQ311B, 570, 571, 572	GM - V-8	5.7	5.4	9-57801
740	GM - V-8	6.3	6.0	9-57801
BB225A/B/C, BB231A, BB260A/B/C, BB261A	GM - V-8			9-57801
5.0FL, 5.0Fi,	Ford -V-8	5	4.7	9-57802
5.7GL, 5.7GS, 5.7GSi, 5.7Gi,	GM - V-8	5.5	5.2	9-57801
5.8FL, 5.8FSi, 5.8Fi		5	4.7	9-57802
7.4GL, 7.4GSi, 7.4Gi,	GM - V-8	6	5.7	9-57801
8.1GSi, 8.2GSi, 8.2Gi, 8.2GL,	GM - V-8	6	5.7	9-57801

Sterndrive Gearcase Capacity Charts

OMC STRINGER DRIVE					
Model	Year	Capacity (Oz.) Upper Gearcase	Capacity (Oz.) Lower Gearcase	Capacity (ml) Upper Gearcase	Capacity (ml) Lower Gearcase
90 Nu	1970	20	17.5	591	518
90 Du	1970	20	17.5	591	518
90	1970-71	20	17.5	591	518
100	1972-74	16.6	40.6	491	1201
120	1970-71	20	40.6	591	1201
120	1972-77	16.6	40.6	491	1201
120	1978-81	16.6	33.8	491	1000
2.5L	1982-86	16.6	26.7	491	790
140	1973-77	16.6	40.6	491	1201
140	1978-81	16.6	33.8	491	1000
3.0I	1982-86	16.6	26.7	491	790
155	1970-72	20	40.6	591	1201
165	1972-76	16.6	40.6	491	1201
170	1974	16.6	40.6	491	1201
175	1975-77	16.6	40.6	491	1201
3.8L	1981	16.6	38.4	491	1136
3.8L	1982-85	16.6	32.1	491	949
4.3L	1986	16.6	32.1	491	949

Sterndrive Gearcase Capacity Charts

OMC STRINGER DRIVE					
Model	Year	Capacity (Oz.) Upper Gearcase	Capacity (Oz.) Lower Gearcase	Capacity (ml) Upper Gearcase	Capacity (ml) Lower Gearcase
185	1978-80	16.6	38.4	491	1136
190	1974-77	16.6	40.6	491	1201
200	1979-81	16.6	38.4	491	1136
5.0L	1982-85	16.6	32.1	491	949
210	1970-71	20	40.6	591	1201
215	1971	20	40.6	591	1201
225	1972-76	20	40.6	591	1201
225	1978	16.6	38.4	491	1136
230	1979-81	16.6	38.4	491	1136
5.0L	1981-86	16.6	32.1	491	949
235	1971	16.6	40.6	491	1201
235	1975-77	20	40.6	591	1201
240	1978	16.6	38.4	491	1136
245	1972-75	20	40.6	591	1201
250	1979	16.6	38.4	491	1136
260	1979-81	16.6	38.4	491	1136
5.7L	1972-86	16.6	32.1	491	949

OMC COBRA®			
Model	Year	Capacity (Oz.)	Capacity (ml)
2.3L, 128 Model		60	1774
2.5L		60	1774
3.0L	1990-93	64	1893
3.0L 130 Model		60	1774
4.3L 175 Model		64	1893
5.0L		64	1893
5.7L, 260 Model		64	1893
7.5L		108	3194
3.0L, 3.0L HO	1990-93	64	1893
185, 200, 235 Models		64	1893
262 OMC King Cobra		64	1893
350 OMC King Cobra		64	1893
460 OMC King Cobra		108	3194
460 OMC King Cobra (Cone Clutch)		103	3046
King Cobra (Cone Clutch)	1994 - up	103	3046
Cobra (Cone Clutch)	1994 - up	71	2100
Dual Prop	1996 - up	81	2395

MERCUISER STERNDRIVES			
Model	Notes	Capacity (Oz.)	Capacity (ml)
60		18.3	541
80 / 90		22	651
MC I - Upper		8	237
MC I - Lower		18	532
MC IA, IB, IC - upper		8	237
MC IA, IB, IC - lower		23	680
120/140/160/165/888		28	828
MC II 200/225		5.75 US Quarts	5.44L
MC II w/heavy duty gear hsg		7 US Quarts	6.62L
MC III 250/270/325/390		4.5 US Quarts	4.2L
MC III 215E/215H/225II-TR/255II-TR		4 US Quarts	3.8L
Alpha One Gen II	without Gear Lube Monitor	1.22 US Quarts	1.16L
Alpha One Gen II	with Round Gear Lube Monitor	2.0 US Quarts	1.9L

Sterndrive Gearcase Capacity Charts

MERCUISER STERNDRIVES			
Model	Notes	Capacity (Oz.)	Capacity (ml)
Alpha One Gen II	with Rectangular Gear Lube Monitor	1.75 US Quarts	1.66L
Bravo One	without Gear Lube Monitor	2.0 US Quarts	1.9L
Bravo One	with Round Gear Lube Monitor	3.25 US Quarts	3.07L
Bravo One	with Rectangular Gear Lube Monitor	2.75 US Quarts	2.6L
Bravo Two	without Gear Lube Monitor	2.5 US Quarts	2.4L
Bravo Two	with Round Gear Lube Monitor	3.75 US Quarts	3.55L
Bravo Two	with Rectangular Gear Lube Monitor	3.25 US Quarts	3.07L
Bravo Three	without Gear Lube Monitor	2.0 US Quarts	1.9L
Bravo Three	with Rectangular Gear Lube Monitor	3.0 US Quarts	2.84L
Blackhawk	without Gear Lube Monitor	1.75 US Quarts	1.66L
Blackhawk	with Rectangular Gear Lube Monitor	2.25 US Quarts	2.1L

VOLVO PENTA STERNDRIVES		
Models / Series	US Quarts	L
100-200	2	1.9L
250	2.2	2.1L
270 / 270 / 280 / 290 SP & DP	2.8	2.6L

Wiring Codes

BIA ENGINE AND ACCESSORY WIRING COLOR CODE (DC SYSTEMS UNDER 50 VOLT)		
Color	Item	Use
Yellow with Red Stripe (YR) Yellow (Y)	Starting Circuit Bilge Blowers	Starting switch to solenoid Fuse or switch to blowers
Dark Gray (Gy)	Navigation Lights Tachometer	Fuse or switch to lights Tachometer sender to gauge
Brown (Br)	Generator Armature Alternator Charge Light Pumps	Generator armature to regulator Generator Terminal/alternator Auxiliary terminal to light to regulator Fuse or switch to pumps
Orange (O)	Accessory Feed	Ammeter to alternator or generator output and accessory fuses or switches. Distribution panel to accessory switch
Purple (Pu)	Ignition Instrument Feed	Ignition switch to coil and electrical instruments. Distribution panel to electric instruments
Dark Blue	Cabin and Instrument Lights	Fuse or switch to lights
Light Blue (Lt Bl)	Oil Pressure	Oil pressure sender to gauge
Tan	Water Temperature	Water temperature sender to gauge
Pink (Pk)	Fuel Gauge	Fuel gauge sender to gauge
Green/Stripe (G/x) (Except G/Y)	Tilt down and/or Trim in	Tilt and/or trim circuits
Blue/Stripe (Bl/x)	Tilt up and/or Trim out	Tilt and/or trim circuits
Red/Purple		Protected positive from battery - Fused
Black		All grounds
Red		Unprotected positive from battery
Black/Yellow	Ignition	Ignition kill switch
Brown/Orange		Power feed to auto-bilge switches
Brown/White	Tilt and/or Trim Circuits	Trim sender to trim gauge
Purple/White	Tilt and/or Trim Circuits	Trim - "trailer" switch
Tan/Blue		Warning system sense wire (audio warning)
Yellow/Black		Neutral safety switch (transmission mounted)
Dark Green		Bondina wires (earth around)

NOTE: If yellow is used for DC negative, blower must be brown with yellow stripe.



www.ebasicpower.com/mallory

Sterndrive Gearcase Capacity Charts

All oil filters are NOT created equal.

Mallory Marine oil filters are designed to meet or exceed the requirements of the marine engines they are engineered to protect. Mallory Marine Oil Filters for I/O's and 4-Stroke outboards are available for most popular I/O, Inboard and 4-Stroke Outboard applications!

We dare to Compare Quality/Value against any OEM or National Brand!



OURS	MALLORY MARINE
Part Number	9-57801
Retail Price	\$7.49
Bypass Spring Type	Coil Spring Steel
Canister Thickness	0.0285 inches
Element Pleats	51
Element End Cap Type	Stamped-steel
Element Type	High Efficiency Paper media, glued seam
Element Surface Area	200. square inches

FEATURES / BENEFITS

- High Performance Quality at competitive price
- Precision bypass relief control - high performance quality
- Higher burst pressure - won't crush during removal more pleats means more filter media
- Superior durability, substantially stronger
- Retains more dirt for cleaner oil, better protection
- More filtration capacity - cleaner oil, better flow

OURS vs. THEIRS



THIERS	FRAM	QUICKSILVER / MERCURY
Part Number	PH30	35-866340K01 / Q03
Retail Price	\$3.99 (Auto Supply)	\$9.00
Bypass Spring Type	Stamped Spring Steel	Stamped Spring Steel
Canister Thickness	0.016 inches	0.024
Element Pleats	36	45
Element End Cap Type	Cardboard	Cellulose Fiber
Element Type	Paper media, stamped metal seam	Paper media, glued seam
Element Surface Area	149 square inches	154 square inches

FEATURES / BENEFITS

- Low - value/quality ratio
- Economy solution, not as precise, less protection
- Thinner walls, lower burst pressure, can crush during removal
- Fewer pleats means less filter media
- Economy solution, weak structure, deteriorates quickly
- Low cost material, not as efficient at removing dirt
- Less filtration capacity more flow restriction

Mallory Marine High Performance Filter Features

- High efficiency filter media removes harmful particles from your engine oil to prevent premature wear of internal bearing and components
- High filtration capacity holds up to 45 % more dirt than other leading national brand. • Engineered to meet or exceed all OEM specifications
- Heavy wall canister for higher burst pressure rating and more crush resistant. • Heavy duty bypass coil spring protects engine better against oil restriction
- Built specifically for Marine engine applications our filters feature anti-drain back valves, where required, to prevent dry starts.



MALLORY MARINE IS A TRADEMARK OF PRESTOLITE PERFORMANCE
 CLEVELAND, OH 216.688.8300
 ©2011 www.mallorymarine.com 74634G

