

MARINE OUTBOARD MOTOR APPLICATION GUIDE

Important Note: Custom fit battery shown meets manufacturer's **minimum** requirements. Upgrade to higher capacity battery, if necessary, to accommodate added electronic equipment such as GPS, depth finders, radio, live wells, etc.

OUTBOARD MODELS	MANUFACTURERS RECOMMENDED BATTERY MINIMUM SPECIFICATIONS	FLOODED		ABSORBED GLASS MAT (AGM)	
		BEST FIT	OPTIONS	BEST FIT	OPTIONS
YAMAHA MOTORS †					
2-Stroke					
50hp and below	245 CCA (323 MCA) 52 RC @ 25 AMPS	DP24 ¹⁴⁰	24M4, 24M5, 24M6, 24M7, 27M6 ^{140, 141} , DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24 ¹⁴⁰ , DC27 ^{140, 141} , DC31DT ^{140, 141} ,	NA	NA
60hp-200hp Carburetor, 2.6L 150-200EFI	380 CCA (502 MCA) 124 RC @ 25 AMPS	24M7	24M5 ²¹⁶ , 24M6 ²¹⁶ , 27M6 ^{140, 141} , DP24 ^{140, 216} , DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24 ¹⁴⁰ , DC27 ^{140, 141} , DC31DT ^{140, 141}	NA	NA
3.1 L 200-250hp EFI	512 CCA (675 MCA) 182 RC @ 25 AMPS	27M6 ^{140, 141}	24M5 ²¹⁶ , 24M6 ²¹⁶ , 24M7 ²¹⁶ , DP24 ^{140, 216} , DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24 ¹⁴⁰ , DC27 ^{140, 141} , DC31DT ^{140, 141}	NA	NA
150-300 HPDI 3.1L & 3.3L	512 CCA (675 MCA) 182 RC @ 25 AMPS	27M6 ^{140, 141}	24M5 ²¹⁶ , 24M6 ²¹⁶ , 24M7 ²¹⁶ , DP24 ^{140, 216} , DP27 ^{140, 141, 216} , DP31DT ^{140, 141} , DC24 ^{140, 216} , DC27 ^{140, 141, 216} , DC31DT ^{140, 141}	8A27M ¹⁴¹	8A24M ²¹⁶ , 8A31DT ¹⁴¹ , 9A34M ²¹⁶ , 9A31 ¹⁴¹
4-Stroke					
F8A, F9, T9.9, F15, F20, F25	245 CCA (323 MCA) 52 RC @ 25 AMPS	24M4	24M5, 24M6, 24M7, 27M6 ^{140, 141} , DP24 ¹⁴⁰ , DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24 ¹⁴⁰ , DC27 ^{140, 141} , DC31DT ^{140, 141}	8A24M	8A27M ¹⁴¹ , 8A31DT ¹⁴¹ , 9A34M, 9A31 ¹⁴¹
F30, F40, F50, T50, F60, T60, F75, T75, F90 & F/FL115	380 CCA (502 MCA) 124 RC @ 25 AMPS	24M7	24M4 ²¹⁶ , 24M5 ²¹⁶ , 27M6 ^{140, 141} , DP24 ¹⁴⁰ , DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24 ¹⁴⁰ , DC27 ^{140, 141} , DC31DT ^{140, 141}	8A24M	8A27M ¹⁴¹ , 8A31DTM ¹⁴¹ , 9A31 ¹⁴¹
F/LF150, 3.3L F/LF200, 3.3L F/LF225, 3.3L F/LF250	512 CCA (675 MCA) 182 RC @ 25 AMPS	24M7	24M4 ²¹⁶ , 24M5 ²¹⁶ , 27M6 ^{140, 141} , DP24 ^{140, 216} , DP27 ^{140, 141, 216} , DP31DT ^{140, 141} , DC24 ^{140, 216} , DC27 ^{140, 141, 216} , DC31DT ^{140, 141}	8A24M	8A27M ¹⁴¹ , 8A31DTM ¹⁴¹ , 9A31 ¹⁴¹
2.8L VF150, F175, F/LF200, 4.2L VF200/225/250, 4.2L F/LF225, 4.2L F/LF250, 4.2L F/LF300	680 CCA (770 MCA) 160 RC @ 25 AMPS	27M6 ¹⁴⁰	24M4 ²¹⁶ , 24M5 ²¹⁶ , DP24 ^{140, 216} , DP27 ^{140, 141, 216} , DP31DT ^{140, 141} , DC24 ^{140, 216} , DC27 ^{140, 141, 216} , DC31DT ^{140, 141, 216}	8A31DTM ¹⁴¹	8A24M ²¹⁶ , 9A31
F/LF350	700 CCA (900 MCA) 170 RC @ 25 AMPS	27M6 ¹⁴⁰	24M4 ²¹⁶ , 24M5 ²¹⁶ , DP27 ^{140, 141, 216} , DP31DT ^{140, 141, 216} , DC24 ^{140, 216} , DC27 ^{140, 141, 216} , DC31DT ^{140, 141, 216}	8A31DTM ¹⁴¹	8A24M ²¹⁶ , 9A31
HONDA MARINE					
BF8D, BF9.9D, BF15D, BF20D	270 CCA (350 MCA) 35 AH @ 20 AH RATE	24M5	24M4 ²¹⁶ , 24M6, 24M7, 27M6 ^{140, 141} , DP24 ¹⁴⁰ , DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24 ¹⁴⁰ , DC27 ^{140, 141} , DC31DT ^{140, 141}	8A24M	9A34M, 8A27M ¹⁴¹ , 8A31DTM ¹⁴¹ , 9A31 ¹⁴¹

† - Yamaha recommends a cranking-type battery that can have distilled water added to its cells when necessary. Maintenance-Free, sealed, or Gel batteries are not recommended because they may not be compatible with Yamaha's charging system.

140 - Vented pod. Check electrolyte levels. Keep terminals clean.

141 - Replacement battery may be longer, taller and/or wider than O.E. Replacement of tray/hold-down or battery box may be required.

216 - Requires 2 batteries in parallel to meet OE specifications. Additional space, box or cables may be required.

Important Note: Custom fit battery shown meets manufacturer's **minimum** requirements. Upgrade to higher capacity battery, if necessary, to accommodate added electronic equipment such as GPS, depth finders, radio, live wells, etc.

OUTBOARD MODELS	MANUFACTURERS RECOMMENDED BATTERY MINIMUM SPECIFICATIONS	FLOODED		ABSORBED GLASS MAT (AGM)	
		BEST FIT	OPTIONS	BEST FIT	OPTIONS
HONDA MARINE (continued)					
BF25A, BF30A, BF25D, BF30D, BF40A, BF50A	420 CCA (546 MCA) 65 AH @ 20 AH RATE	24M7	24M5 ²¹⁶ , 24M6 ²¹⁶ , 27M6 ^{140, 141} , DP24 ¹⁴⁰ , DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24 ¹⁴⁰ , DC27 ^{140, 141} , DC31DT ^{140, 141}	8A24M	9A31 ¹⁴¹ , 8A27 ¹⁴¹ , 8A31DTM ¹⁴¹ , 9A34M ²¹⁶
BF40D, BF50D	582 CCA (756 MCA) 65 AH @ 5 AH RATE	27M6 ^{140, 141}	24M5 ²¹⁶ , 24M6 ²¹⁶ , 27M7 ²¹⁶ , DP24 ^{140, 216} , DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24 ¹⁴⁰ , DC27 ^{140, 141} , DC31DT ^{140, 141}	8A31DT ¹⁴¹	9A31 ¹⁴¹ , 8A24M, 8A27M ¹⁴¹ , 9A34M ²¹⁶
BF60A, BFP60A	582 CCA (756 MCA) 52 AH @ 5 AH RATE 65 AH @ 20 AH RATE	24M7	24M5 ²¹⁶ , 24M6 ²¹⁶ , 27M6 ^{140, 141} , DP24 ^{140, 216} , DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24 ¹⁴⁰ , DC27 ^{140, 141} , DC31DT ^{140, 141}	8A31DT ¹⁴¹	9A31 ¹⁴¹ , 8A24M, 8A27M ¹⁴¹ , 9A34M ²¹⁶
BF75A, BF90A	550 CCA (715 MCA) 70 AH @ 20 AH RATE	24M7	24M5 ²¹⁶ , 24M6 ²¹⁶ , 27M6 ^{140, 141} , DP24 ^{140, 216} , DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24 ¹⁴⁰ , DC27 ^{140, 141} , DC31DT ^{140, 141}	8A27M ¹⁴¹	9A31 ¹⁴¹ , 8A24M, 8A31DT ¹⁴¹ , 9A34M ²¹⁶
BF75D, BF90D	582 CCA (756 MCA) 65 AH @ 20 AH RATE	24M7	24M5 ²¹⁶ , 24M6 ²¹⁶ , 27M6 ^{140, 141} , DP24 ^{140, 216} , DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24 ¹⁴⁰ , DC27 ^{140, 141} , DC31DT ^{140, 141}	8A31DT ¹⁴¹	9A31 ¹⁴¹ , 8A24M, 8A27M ¹⁴¹ , 9A34M ²¹⁶
BF115A, BF115D, BF130A, BF135A, BF150A	622 CCA (809 MCA) 64 AH @ 5 AH RATE 80 AH @ 20 AH RATE	27M6 ^{140, 141}	24M6 ²¹⁶ , 24M7 ²¹⁶ , DP24 ^{140, 216} , DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24 ^{140, 216} , DC27 ^{140, 141, 216} , DC31DT ^{140, 141}	8A31DTM	9A31 ²¹⁶ , 9A34M ²¹⁶
BF200A, BF225A	800 CCA (1040 MCA) 95 AH @ 5 AH RATE 110 AH @ 20 AH RATE	24M6 ²¹⁶	24M7 ²¹⁶ , 27M6 ^{140, 141, 216} , DP24 ^{140, 216} , DP27 ^{140, 141, 216} , DP31DT ^{140, 141, 216} , DC24 ^{140, 216} , DC27 ^{140, 141, 216} , DC31DT ^{140, 141, 216}	9A34M ²¹⁶	8A24M ²¹⁶ , 8A27M ^{141, 216} , 8A31DT ^{141, 216} , 9A31 ^{141, 216}
MERCURY MARINE					
2-Stroke					
6hp - 60hp	350 CCA (465 MCA)	24M4	24M5, 24M6, 24M7, 27M6 ^{140, 141} , DP24 ¹⁴⁰ , DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24, DC27 ^{140, 141} , DC31DT ^{140, 141}	8A24M	9A34M, 9A31 ¹⁴¹ , 8A27M ¹⁴¹ , 8A31DTM ¹⁴¹
75hp - 125hp	450 CCA (525 MCA)	24M5	24M4, 24M6, 24M7, 27M6 ^{140, 141} , DP24 ¹⁴⁰ , DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24, DC27 ^{140, 141} , DC31DT ^{140, 141}	8A24M	9A34M, 9A31 ¹⁴¹ , 8A27M ¹⁴¹ , 8A31DTM ¹⁴¹
V6 Models	490 CCA (630 MCA)	24M5	24M6, 24M7, 27M6 ^{140, 141} , DP24 ¹⁴⁰ , DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24, DC27 ^{140, 141} , DC31DT ^{140, 141}	8A24M	9A34M, 9A31 ¹⁴¹ , 8A27M ¹⁴¹ , 8A31DTM ¹⁴¹
OptiMax - All Models	800 CCA (1000 MCA) MINIMUM	24M7	24M4 ²¹⁶ , 24M5 ²¹⁶ , 24M6 ²¹⁶ , 27M6 ^{140, 141} , DP24 ^{140, 216} , DP27 ^{140, 141, 216} , DP31DT ^{140, 141, 216} , DC24 ^{140, 216} , DC27 ^{140, 141, 216} , DC31DT ^{140, 141, 216}	8A31DT	9A34M ²¹⁶ , 9A31 ¹⁴¹ , 8A24M ²¹⁶ , 8A27M ^{141, 216}

† - Yamaha recommends a cranking-type battery that can have distilled water added to its cells when necessary. Maintenance-Free, sealed, or Gel batteries are not recommended because they may not be compatible with Yamaha's charging system.

140 - Vented pod. Check electrolyte levels. Keep terminals clean.

141 - Replacement battery may be longer, taller and/or wider than O.E. Replacement of tray/hold-down or battery box may be required.

216 - Requires 2 batteries in parallel to meet OE specifications. Additional space, box or cables may be required.

Important Note: Custom fit battery shown meets manufacturer's *minimum* requirements. Upgrade to higher capacity battery, if necessary, to accommodate added electronic equipment such as GPS, depth finders, radio, live wells, etc.

OUTBOARD MODELS	MANUFACTURERS RECOMMENDED BATTERY MINIMUM SPECIFICATIONS	FLOODED		ABSORBED GLASS MAT (AGM)	
		BEST FIT	OPTIONS	BEST FIT	OPTIONS
MERCURY MARINE (continued)					
4-Stroke					
9.9hp - 25hp	350 CCA (465 MCA)	24M4	24M5, 24M6, 24M7, 27M6 ^{140, 141} , DP24 ¹⁴⁰ , DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24, DC27 ^{140, 141} , DC31DT ^{140, 141}	8A24M	9A34M, 9A31 ¹⁴¹ , 8A27M ¹⁴¹ , 8A31DTM ¹⁴¹
30hp - 115hp	350 CCA (750 MCA) above 32°F 750 CCA below 32°F	ABOVE 32°F 24M5	ABOVE 32°F 24M5, 24M6, 24M7, 27M6 ^{140, 141} , DP24 ¹⁴⁰ , DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24, DC27 ^{140, 141} , DC31DT ^{140, 141}	ABOVE 32°F 8A24M	ABOVE 32°F 9A34M, 9A31 ¹⁴¹ , 8A27M ¹⁴¹ , 8A31DTM ¹⁴¹
		BELOW 32°F 24M7	BELOW 32°F 27M6 ^{140, 141}	BELOW 32°F 9A34M	BELOW 32°F 9A31 ¹⁴¹ , 8A31DTM ¹⁴¹
Verado 4-Stroke*					
135 / 150 / 175 / 200 Verado L4, 200 / 225 / 250 / 275 / 300 Verado L6	800 Min. MCA with a Min. 135 RC25 Rating	AGM BATTERY REQUIRED	AGM BATTERY REQUIRED	8A24M	9A31 ¹⁴¹ , 8A31DT ¹⁴¹ , 9A34M ²¹⁶ , 8A27M ¹⁴¹
SUZUKI MARINE OUTBOARD MOTORS					
DF9.9 / 15 - DF25V	330 CCA or over 70 RC mins. or over 40 AH or over @ 20 AH RATE	24M5	24M4 ²¹⁶ , 24M6, 24M7, 27M6 ^{140, 141} , DP24 ¹⁴⁰ , DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24 ¹⁴⁰ , DC27 ^{140, 141} , DC31DT ^{140, 141}	8A24M	9A34M, 9A31, 8A27M ¹⁴¹ , 8A31DT ¹⁴¹
DF25 - DF50 DF40 - DF50	389 CCA or over 115 RC mins. or over 70 AH or over @ 20 AH RATE	24M7	24M5 ²¹⁶ , 24M6 ²¹⁶ , 27M6 ^{140, 141} , DC24, DC27 ^{140, 141} , DC31DT ^{140, 141} , DP24 ^{140, 216} , DP27 ^{140, 141} , DP31DT ^{140, 141}	8A24M	9A31, 8A27M, 8A31DT, 9A34M ²¹⁶
DF60 - DF70 DF90 / 115 - DF140 DF150 - DF175	512 CCA or over 160 RC mins. or over 100 AH or over @ 20 AH RATE	DP31DT ^{140, 141}	24M5 ²¹⁶ , 24M6 ²¹⁶ , 24M7 ²¹⁶ , 27M6 ^{140, 141, 216} , DP24 ^{140, 216} , DP27 ^{140, 141, 216} , DC24 ^{140, 216} , DC27 ^{140, 141, 216} , DC31DT ^{140, 141}	8A31DT	9A31, 8A24M, 8A27M, 9A34M ²¹⁶
DF200 / 225 / 250 / 250SS	670 CCA or over 190 RC mins. or over 100 AH or over @ 20 AH RATE	DP31DT ^{140, 141}	24M6 ²¹⁶ , 24M7 ²¹⁶ , 27M6 ^{140, 141, 216} , DP24 ^{140, 216} , DP27 ^{140, 141, 216} , DC24 ^{140, 216} , DC27 ^{140, 141, 216} , DC31DT ^{140, 141, 216}	8A31DT	9A31, 9A34M ²¹⁶ , 8A24M ²¹⁶ , 8A27M ^{141, 216}
DF300	770 CCA or over 239 RC mins. or over 130 AH or over @ 20 AH RATE	24M7 ²¹⁶	27M6 ^{140, 141, 216} , DP24 ^{140, 216} , DP27 ^{140, 141, 216} , DP31DT ^{140, 141, 216} , DC24 ^{140, 216} , DC27 ^{140, 141, 216} , DC31DT ^{140, 141, 216}	8A24M ²¹⁶	9A34M ²¹⁶ , 9A31 ²¹⁶ , 8A24M ²¹⁶ , 8A27M ^{141, 216} , 8A31DT ²¹⁶

* Mercury does not recommend flooded batteries on Verado motors.

† - Yamaha recommends a cranking-type battery that can have distilled water added to its cells when necessary. Maintenance-Free, sealed, or Gel batteries are not recommended because they may not be compatible with Yamaha's charging system.

140 - Vented pod. Check electrolyte levels. Keep terminals clean.

141 - Replacement battery may be longer, taller and/or wider than O.E. Replacement of tray/hold-down or battery box may be required.

216 - Requires 2 batteries in parallel to meet OE specifications. Additional space, box or cables may be required.

Important Note: Custom fit battery shown meets manufacturer's **minimum** requirements. Upgrade to higher capacity battery, if necessary, to accommodate added electronic equipment such as GPS, depth finders, radio, live wells, etc.

OUTBOARD MODELS	MANUFACTURERS RECOMMENDED BATTERY MINIMUM SPECIFICATIONS	FLOODED		ABSORBED GLASS MAT (AGM)	
		BEST FIT	OPTIONS	BEST FIT	OPTIONS
JOHNSON / EVINRUDE					
2-Stroke					
V4 Carbureted & 9.9-50 Carbureted	360 CCA (465 MCA), 50 amp-hr minimum	ABOVE 32°F 24M5	ABOVE 32°F 24M4 ²¹⁶ , 24M6, 24M7, 27M6 ^{140, 141} , DP24, DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24, DC27 ^{140, 141} , DC31DT ^{140, 141}	ABOVE 32°F 8A24M	ABOVE 32°F 9A34M, 9A31 ¹⁴¹ , 8A27M ¹⁴¹ , 8A31DT ¹⁴¹
		BELOW 32°F NA	BELOW 32°F NA	BELOW 32°F NA	BELOW 32°F NA
V4 Direct-Injection & V6 Carbureted	500 CCA (620 MCA), or 675 CCA (845 MCA) below 32°F 60 amp-hr minimum	ABOVE 32°F 24M7	ABOVE 32°F 24M4 ²¹⁶ , 24M5 ²¹⁶ , 24M6 ²¹⁶ , 27M6 ^{140, 141} , DP24, DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24 ¹⁴⁰ , DC27 ^{140, 141} , DC31DT ^{140, 141}	ABOVE 32°F 8A24M	ABOVE 32°F 9A31 ¹⁴¹ , 8A27M ¹⁴¹ , 8A31DT ¹⁴¹ , 9A34M ²¹⁶
		BELOW 32°F 24M7	BELOW 32°F 24M4 ²¹⁶ , 24M5 ²¹⁶ , 24M6 ²¹⁶ , 27M6 ^{140, 141} , DP24 ^{140, 216} , DP27 ^{140, 141, 216} , DP31DT ^{140, 141} , DC24 ^{140, 216} , DC27 ^{140, 141, 216} , DC31DT ^{140, 141, 216}	BELOW 32°F 8A31DT ¹⁴¹	BELOW 32°F 9A31 ¹⁴¹ , 9A34M ²¹⁶ , 8A24M ²¹⁶ , 8A27M ^{141, 216}
V6 Direct-Injection	675 CCA (845 MCA) or 750 CCA (940 MCA) below 32°F 107 amp-hr in EXTREME applications	ABOVE 32°F 24M7 ²¹⁶	ABOVE 32°F 24M6 ²¹⁶ , 27M6 ^{140, 141, 216} , DP24 ^{140, 216} , DP27 ^{140, 141, 216} , DP31DT ^{140, 141, 216} , DC24 ^{140, 216} , DC27 ^{140, 141, 216} , DC31DT ^{140, 141, 216}	ABOVE 32°F 9A34M ²¹⁶	ABOVE 32°F 9A31 ²¹⁶ , 8A24M ²¹⁶ , 8A27M ^{141, 216} , 8A31DT ²¹⁶
		BELOW 32°F 24M7 ²¹⁶	BELOW 32°F 24M6 ²¹⁶ , 27M6 ^{140, 141, 216} , DP24 ^{140, 216} , DP27 ^{140, 141, 216} , DP31DT ^{140, 141, 216} , DC24 ^{140, 216} , DC27 ^{140, 141, 216} , DC31DT ^{140, 141, 216}	BELOW 32°F 9A34M ²¹⁶	BELOW 32°F 9A31 ²¹⁶ , 8A24M ²¹⁶ , 8A27M ^{141, 216} , 8A31DT ²¹⁶
40hp-90hp Evinrude E-TEC	675 CCA (845 MCA), or 750 CCA (940 MCA) below 32°F	ABOVE 32°F 24M7	ABOVE 32°F 24M4 ²¹⁶ , 24M5 ²¹⁶ , 24M6 ²¹⁶ , 27M6 ^{140, 141} , DP24 ^{140, 216} , DP27 ^{140, 141, 216} , DP31DT ^{140, 141, 216} , DC24 ^{140, 216} , DC27 ^{140, 141, 216} , DC31DT ^{140, 141, 216}	ABOVE 32°F 9A34M	ABOVE 32°F 9A31 ¹⁴¹ , 8A31DT ¹⁴¹ , 8A24M ²¹⁶ , 8A27M ^{141, 216}
		BELOW 32°F 24M7	BELOW 32°F 24M4 ²¹⁶ , 24M5 ²¹⁶ , 24M6 ²¹⁶ , 27M6 ^{140, 141} , DP24 ^{140, 216} , DP27 ^{140, 141, 216} , DP31DT ^{140, 141, 216} , DC24 ^{140, 216} , DC27 ^{140, 141, 216} , DC31DT ^{140, 141, 216}	BELOW 32°F 9A34M	BELOW 32°F 9A31 ¹⁴¹ , 8A31DT ¹⁴¹ , 8A24M ²¹⁶ , 8A27M ^{141, 216}

[†] - Yamaha recommends a cranking-type battery that can have distilled water added to its cells when necessary. Maintenance-Free, sealed, or Gel batteries are not recommended because they may not be compatible with Yamaha's charging system.

¹⁴⁰ - Vented pod. Check electrolyte levels. Keep terminals clean.

¹⁴¹ - Replacement battery may be longer, taller and/or wider than O.E.
Replacement of tray/hold-down or battery box may be required.

²¹⁶ - Requires 2 batteries in parallel to meet OE specifications. Additional space, box or cables may be required.

Important Note: Custom fit battery shown meets manufacturer's **minimum** requirements. Upgrade to higher capacity battery, if necessary, to accommodate added electronic equipment such as GPS, depth finders, radio, live wells, etc.

OUTBOARD MODELS	MANUFACTURERS RECOMMENDED BATTERY MINIMUM SPECIFICATIONS	FLOODED		ABSORBED GLASS MAT (AGM)	
		BEST FIT	OPTIONS	BEST FIT	OPTIONS
JOHNSON / EVINRUDE					
4-Stroke					
25hp-30hp	360 CCA (465 MCA), 50 amp-hr minimum	ABOVE 32°F 24M5	ABOVE 32°F 24M4 ²¹⁶ , 24M6, 24M7, 27M6 ^{140, 141} , DP24, DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24, DC27 ^{140, 141} , DC31DT ^{140, 141}	ABOVE 32°F 8A24M	ABOVE 32°F 9A34M, 9A31 ¹⁴¹ , 8A27M ¹⁴¹ , 8A31DT ¹⁴¹
		BELOW 32°F NA	BELOW 32°F NA	BELOW 32°F NA	BELOW 32°F NA
40hp-140hp	500 CCA (620 MCA), or 675 CCA (845 MCA) below 32°F 60 amp-hr minimum	ABOVE 32°F 24M7	ABOVE 32°F 24M4 ²¹⁶ , 24M5 ²¹⁶ , 24M6 ²¹⁶ , 27M6 ^{140, 141} , DP24, DP27 ^{140, 141} , DP31DT ^{140, 141} , DC24 ¹⁴⁰ , DC27 ^{140, 141} , DC31DT ^{140, 141}	ABOVE 32°F 8A24M	ABOVE 32°F 9A31 ¹⁴¹ , 8A27M ¹⁴¹ , 8A31DT ¹⁴¹ , 9A34M ²¹⁶
		BELOW 32°F 24M7	BELOW 32°F 24M4 ²¹⁶ , 24M5 ²¹⁶ , 24M6 ²¹⁶ , 27M6 ^{140, 141} , DP24 ^{140, 216} , DP27 ^{140, 141, 216} , DP31DT ^{140, 141, 216} , DC24 ^{140, 216} , DC27 ^{140, 141, 216} , DC31DT ^{140, 141, 216}	BELOW 32°F 8A31DT ¹⁴¹	BELOW 32°F 9A31 ¹⁴¹ , 9A34M ²¹⁶ , 8A24M ²¹⁶ , 8A27M ^{141, 216}
All V6 (4-Stroke)	675 CCA (845 MCA) or 750 CCA (940 MCA) below 32°F 107 amp-hr in EXTREME applications	ABOVE 32°F 24M7 ²¹⁶	ABOVE 32°F 24M6 ²¹⁶ , 27M6 ^{140, 141, 216} , DP24 ^{140, 216} , DP27 ^{140, 141, 216} , DP31DT ^{140, 141, 216} , DC24 ^{140, 216} , DC27 ^{140, 141, 216} , DC31DT ^{140, 141, 216}	ABOVE 32°F 9A34M ²¹⁶	ABOVE 32°F 9A31 ²¹⁶ , 8A24M ²¹⁶ , 8A27M ^{141, 216} , 8A31DT ²¹⁶
		BELOW 32°F 24M7 ²¹⁶	BELOW 32°F 24M6 ²¹⁶ , 27M6 ^{140, 141, 216} , DP24 ^{140, 216} , DP27 ^{140, 141, 216} , DP31DT ^{140, 141, 216} , DC24 ^{140, 216} , DC27 ^{140, 141, 216} , DC31DT ^{140, 141, 216}	BELOW 32°F 9A34M ²¹⁶	BELOW 32°F 9A31 ²¹⁶ , 8A24M ²¹⁶ , 8A27M ^{141, 216} , 8A31DT ²¹⁶

† - Yamaha recommends a cranking-type battery that can have distilled water added to its cells when necessary. Maintenance-Free, sealed, or Gel batteries are not recommended because they may not be compatible with Yamaha's charging system.

140 - Vented pod. Check electrolyte levels. Keep terminals clean.

141 - Replacement battery may be longer, taller and/or wider than O.E.
Replacement of tray/hold-down or battery box may be required.

216 - Requires 2 batteries in parallel to meet OE specifications. Additional space, box or cables may be required.



East Penn Manufacturing Co. Lyon Station, PA 19536-0147 Phone: 610-682-6361 Fax: 610-682-4781 www.dekabatteries.com