



service bulletin

TO: SERVICE MANAGER TECHNICIANS
 PARTS MANAGER

No. 94-9

A. BATTERY REQUIREMENTS FOR MERCUISER PRODUCTS

Battery Ratings

There are two major rating systems used in the USA for marine engine cranking batteries. The most common is cca (cold cranking amps) which rates the cranking amps at 0° F. The second system, mca (marine cranking amps), rates the cranking amps at 32° F. The mca (marine cranking amps) rating of a given battery is always higher than the cca (cold cranking amps) rating. There is a third rating system that some discount stores use which rates the cranking amps of a battery at 80° F. The advertised cranking amps of these batteries is high while the actual cca of it is very low.

The following battery charts list the minimum cca, mca and Ah (Amp hour) ratings required for use on MerCruiser products. The Amp hour rating is used outside the USA and Canada.

GASOLINE ENGINES

Engine	CID (L)	Minimum Required Cranking Battery Size
4	153 (2.5)	375 cca or 475 mca or 90 Ah
4	181 (3.0)	
V6	229 (3.8)	
6	250 (4.0)	
V8	302 (5.0)	
V8	305 (5.0)	
V8 Carb	350 (5.7)	
V8	351 (5.8)	
4	224 (3.7)	450 cca or 575 mca or 90 Ah
V6	262 (4.3)	
V8	427 (7.0)	
V8 Carb	454 (7.4)	
V8 EFI	350 (5.7)	550 cca or 700 mca or 120 Ah
V8	482 (7.9)	
V8 Carb	502 (8.2)	
V8	540 (8.9)	
V8 Carb	572 (9.4)	600 cca or 750 mca or 150 Ah
V8 EFI	454 (7.4)	650 cca or 825 mca or 150 Ah
V8 EFI	502 (8.2)	

DIESEL ENGINES

Engine	CID (L)	Minimum Required Cranking Battery Size
5	183 (3.0)	750 cca or 950 mca or 180 Ah
6	219 (3.6)	
6	254 (4.2)	
V8	444 (7.3)	