

Engine and Tune-Up Specifications

MCM (Sterndrive)

Model	MCM 4.3L ALPHA / BRAVO	MCM 4.3LH ALPHA / BRAVO	MCM 4.3L EFI ALPHA / BRAVO
Propshaft Horsepower (SAV1 Rating)	190	205 (190) ²	210 ¹ (188) ²
Propshaft Kilowatts (SAV1 Rating)	142	153 (142) ²	157 ¹ (146) ²
Number of Cylinders	V-6		
Displacement	262 cid (4.3 l)		
Bore / Stroke - in. (mm)	4.0 x 3.48 (101.6 x 88.4)		
Compression Ratio	9.4:1		9.4:1
Compression Pressure	Minimum 100 psi (690 kPa) ⁷		
Idle rpm In Neutral ³	650 rpm ⁵		600 rpm ⁵
Maximum rpm (at WOT) ³	4400-4800 rpm		
Oil Pressure (at 2000 rpm)	Minimum 30 psi (207 kPa)		
Minimum Oil Pressure (at Idle)	Minimum 4 psi (28 kPa)		
Fuel Pressure (1800 rpm)	3-7 psi (21-48 kPa)		30 psi (kPa)
Electrical System	12 V Negative (–) Ground		
Alternator Rating	55 or 65 amp ⁸		
Minimum Battery Requirements	375 cca / 475 mca / 90 Ah		
Firing Order	1-6-5-4-3-2		
Spark Plug Type	AC - MR43LTS Champion - RS12YC NGK - BPR6EFS		
Spark Plug Gap	.045 in. (1.1 mm)		
Timing (at idle rpm) ⁴	10° BTDC		8° BTDC
Preliminary Idle Mixture	1 1/4 Turns		DNA
Thermostat	160° F (71° C)		

¹ Power Rated in Accordance with NMMA (National Marine Manufacturers' Association) rating procedures.

² Power Rated in Accordance with SAV1 rating procedures. This rating procedure is used to certify that the engine complies with "Stage 1" Bodensee and Swiss Regulations. Horsepower differences shown result from differences in test rpm, allowable test tolerances, and/or installation of special kit components.

³ Measured using an accurate service tachometer with engine at normal operating temperature.

⁴ Timing must be set using a special procedure as outlined in the appropriate section of this manual. Timing cannot be properly set using the conventional method.

⁵ A special procedure must be followed to adjust idle rpm. Consult your Authorized Mercury MerCruiser Dealer before attempting this procedure.

⁶ Idle speed on EFI models is not adjustable.

⁷ Minimum recorded compression in any one cylinder should not be less than 70 percent of the highest recorded cylinder.

⁸ Serial Number Break for 65 Amp alternator: OL619083 and above.