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Cummins MerCruiser Diesel

Worldwide Marine Power Solutions

ENGINE SPECIFICATIONS

Configuration	In-line 4 Cylinder, 4-Stroke Diesel
Bore & Stroke	102 mm × 120 mm (4.02 in x 4.72 in)
Displacement	3.9 L (239 in ³)
Rotation	Counterclockwise facing flywhee

		,			
Displacement	3.9 L (239 in ²)	_			
Rotation	Counterclockwise facing fly	vheel		⟨₹⟩	
POWER R	ATINGS	Plaje		97	7/6_
Power Rating	Medium Co	ntinuous	Intermi	ttent	-20
Aspiration	Naturally Aspirated	Turbocharged	Naturally Aspirated	Turbocharged	.0
Rated RPM	2500	2500	2800	2800	_ ~
kW	57	97	60	112	
(BHP)	(76)	(130)	(80)	(150)	
Max Torque N-m	185	280	185	300	
(ft-lb)	(136)	(207)	(136)	(221)	
RPM	1200	2200	1200	2200	

FEATURES AND BENEFITS

Engine Design

Compact size for ease of installation with easy access for routine maintenance. Four stroke cycle combusion for quiet and fuel efficient operation.

Cooling System

Heat exchanger or keel cooled configurations available to application flexibility.

Fuel System

CAV rotary fuel pump.

Lubrication System

9.5 L (2.5 g) marine grade, cast aluminum oil pan. Spin-on Fleetquard lube oil filters.

Electrical System

12-volt and 24-volt systems available. Marine grade wiring harness and instrument panels.

Manufacturing

ISO certified plants.

U.S. Navy Certified

Tested and certified for the U.S. Navy's 1,000-hour abuse cycle test.

AVAILABLE ACCESSORIES

Air Cleaner: Light or heavy duty.

Auxiliary Pump

Hydraulic Pump Drive: SAE A or B flange.

Walker Air Sep: Closed crankcase ventilation system.

Accessory Drive Pulley: Belt or gear driven.

Marine Classification Society Approvals: Check with your

local Cummins professional for an updated listing.



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ENGINE DIMENSIONS

		Length		Width		Height		Weight	
		mm	in	mm	in	mm	in	kg	b
Keel	NA.	790	31	711	28	894	35	381	840
Cooled	Т	779.9	30.70	703.7	27.7	771.2	30.36	390	880
Heat	NA.	790	31	711	28	894	35	414	912
Exchanger	T	779.9	30.70	703.7	27.7	771.2	30.36	423	932

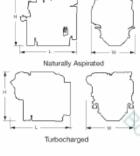
NA - Naturally Aspirated

T - Turbocharged

PERFORMANCE DATA ...

Rating		Medium Con	tinuous (NA)		Medium Continuous (T)				
rpm	2500	2300	2100	1900	2500	2300 -	2100	1900	
kW	57	44	34	25	97	75	57	43	
g/kW-hr	228	231	225	228	214	220	228	236	
L/hr	15.5	12.1	9.1	6.8	24.8	19.7	15.6	12.1	
	7							7	
bhp	76	59	45	34	130	101	77	57	
lb/hp-hr	.378	.380	.373	.371	350	.360	.373	.393	
gal/hr	4.1	3.2	2.4	1.8	6.5	5.2	4.1	3.2	

Rating		Intermitt	tent (NA)		Intermittent (T)			
rpm	2800	2600	2400	2200	2800	2000	2400	2200
kW	60	48	37	29	112	90	70	54
g/kW-hr	239	225	222	220	216	219	218	224
L/hr	17.1	12,9	9.8	7.6	28.6	23.5	18.2	14.4
					9	>		
bhp	80.	64	.50	39	150	120	94	73
lb/hp-hr	.394	.372	.364	.359	.355	.362	.357	.364
gal/hr	4.5	3.4	2.6	2.0	7.6	62	4.8	3.8



Boaldiesel.co. Above distil represents performance along a 3.0 tixed pitch propeler curve. Fuel consumption has a tolerance of 40% and is based on fuel of 35° API gravity at 16° °C (50° F) having an U+V of 42, 780 °C (85° F) and weighing 553.9 pitch (7,00) bit US get. Observed hosepower's a related within ± 3% of rated hosepower. Curvinnis has always been a pomeer in product improvement. Thus expeditations may change without notice. Coreally your local Currinnis professionals of further information.

Rating Definitions

Ratings are based on ISO 8665 conditions of 100kPa(29.612 in Hg) and 25 °C (77 °F) and 30% relative humidity. Propeller shaft power represents the net power available after typical gear losses and is 97% of rated power. Power rated in accordance with IMCI procedures.

Medium Continuous Duty

Intended for continuous use in variable load applications where full power is limited to six hours out of every twelve hours of operation. Also, reduced power operations must be at or below 200 rpm of the maximum rated rpm. This rating is an ISO 3046 fuel stop power rating and is for applications that operate less than 3,000 hours per year.

Intermittent Duty
Intermed for intermittent use in variable load applications where full power is limited to two hours out of every eight hours of operation. Also, reduced power operations must be at or below 200 rpm of the maximum rated rpm. This rating is an ISO 3046 fuel stop power rating and is intended for applications that operate less than 1,500 hours per



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