

**C18 ACERT**  
**651 bkW (873 bhp) @ 2200 rpm**

**Rating Type: D-RATING**

**Emissions: U.S. EPA Marine Tier 2 Commercial  
Equivalent (Not Currently EPA Certified)**

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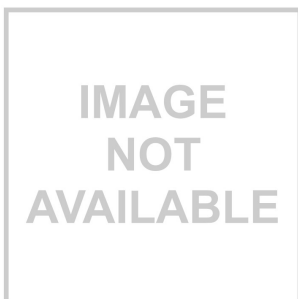


Image shown may not reflect actual configuration

**Metric**

**English**

General Engine		
Power Rating	651 kW	873 hp
Number of Cylinders	6	
Cylinder Arrangement	INLINE	
Bore	145 mm	6 in
Stroke	183 mm	7 in
Displacement	18 L	1106 cu in
Compression Ratio	14.5 :1	
Aspiration	N/A	

Air Intake System		
System Type	N/A	
Turbo Type	N/A	
Intake Combustion Air Flow	54.8 m³/min	1934.8 cfm
Intake Combustion Air Temperature Max. Allowable	N/A	N/A
Maximum Allowable Restriction w/Clean Dry Element	2.0 kPa	8.0 in H2O
Maximum Allowable Restriction w/Dirty Element	6.5 kPa	26.0 in H2O
Heat Rejection to Atmosphere	N/A	N/A

Control System		
Governor Type	ELEC	

Cooling Water System		
Cooling System Type	SWAC	
Engine Jacket Water Coolant Capacity	N/A	N/A

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Aftercooler Capacity	N/A	N/A
Filter Service Side	N/A	N/A
Heat Rejection to Cooling Water System	N/A	N/A
Cooling Water Temperature Engine Out (Nominal)	N/A	N/A
Cooling Water Refill Capacity(Engine Only)	N/A	N/A
Aftercooler Water Operating Temperature	32 ° C	89.6 ° F

#### Exhaust Gas Data

Exhaust Manifold Type	WC	
Exhaust Gas Flow (Total)	127.4 cu M/hr	4497.1 cu ft/hr
Exhaust Stack Temperature	399 ° C	751 ° F
Maximum Allowable Back Pressure	6.7 kPa	27 in Hg

#### Fuel System Data

Fuel System Type	N/A	N/A
Filter Service Side	N/A	
Fuel Consumption at Rated Speed	219.1 g/bkW-hr	0.360 lb/bhp-hr
Fuel Rate at Rated Speed	170.0 L/hr	44.9 gal/hr
Fuel Supply Line Restriction (max. allowable)	N/A	N/A
Fuel Return Line Restriction (max. allowable)	N/A	N/A
Normal Fuel Pressure	N/A	N/A
Fuel Flow to Transfer Pump (to engine, no load)	N/A	N/A
Fuel Flow to Return Line (from engine)	N/A	N/A
Diesel fuel grade	N/A	

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Performance Number: DM9662-01

Engine Arrangement: 3458317

Feature Code: C18MD56

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The International System of Units is used in this publication.