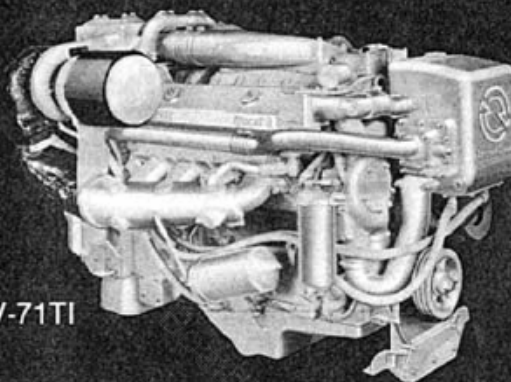


Detroit Diesel Engines

marine models

8V-71
333 hp8V-71
333 hp8V-71Ti
462 hp

Typical
Low Profile 8V-71Ti
Marine Model



basic specifications

Basic Engine	8V-71	Low profile 8V-71	Low profile 8V-71Ti
Model-Port Starboard	7082-3000 7082-7000	7082-3001 7082-7001	7082-3300 7082-7300
Description	Naturally Aspirated	Naturally Aspirated	Turbocharged-Intercooled
Number of Cylinders	8	8	8
Bore and Stroke	4.25 in x 5 in (108 mm x 127 mm)	4.25 in x 5 in (108 mm x 127 mm)	4.25 in x 5 in (108 mm x 127 mm)
Displacement	568 cu in (9.32 liters)	568 cu in (9.32 liters)	568 cu in (9.32 liters)
Compression Ratio	18.7 to 1	18.7 to 1	17 to 1
Net Weight (dry)	3130 lbs (1420 kg)	3100 lbs (1406 kg)	3430 lbs (1556 kg)

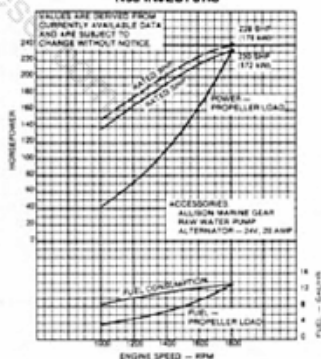
power specifications

Continuous Injectors	N55	N55	No continuous rating is currently available for the 8V-71Ti.
Rated Gross Power	239 BHP (178 kW) @ 1800 RPM*	239 BHP (178 kW) @ 1800 RPM*	
Rated Net Power	230 SHP (172 kW) @ 1800 RPM*	230 SHP (172 kW) @ 1800 RPM*	
Intermittent Injectors	N65	N65	N70
Rated Gross Power	304 BHP (227 kW) @ 2100 RPM*	304 BHP (227 kW) @ 2100 RPM*	349 BHP (260 kW) @ 2100 RPM*
Rated Net Power	296 SHP (221 kW) @ 2100 RPM*	296 SHP (221 kW) @ 2100 RPM*	340 SHP (254 kW) @ 2100 RPM*
Maximum Injectors	N70	N70	N90
Rated Gross Power	333 BHP (248 kW) @ 2300 RPM*	333 BHP (248 kW) @ 2300 RPM*	462 BHP (345 kW) @ 2300 RPM*
Rated Net Power	325 SHP (242 kW) @ 2300 RPM*	325 SHP (242 kW) @ 2300 RPM*	450 SHP (336 kW) @ 2300 RPM*

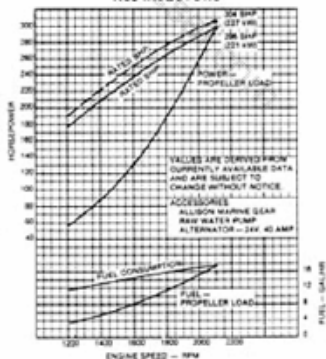
*Rating conditions of: 85 °F (29.4 °C) and 29.0 in Hg (98.19 kPa) Barometer (Dry).

8V-71

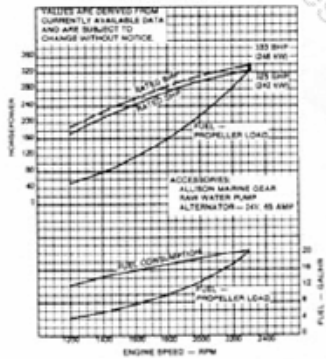
***MODEL 8V-71
MARINE CONTINUOUS RATING
N55 INJECTORS**



***MODEL 8V-71
MARINE INTERMITTENT RATING
N65 INJECTORS**

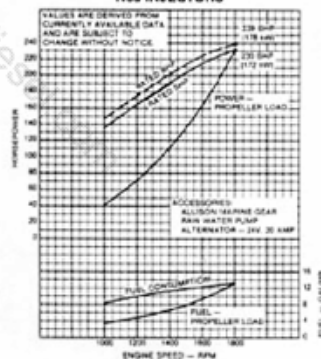


***MODEL 8V-71
MARINE MAXIMUM RATING
N70 INJECTORS**

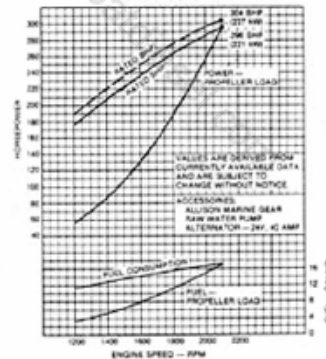


8V-71 Low Profile

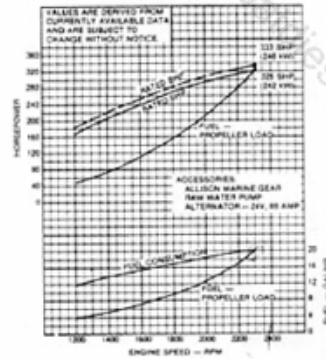
***MODEL 8V-71 LOW PROFILE
MARINE CONTINUOUS RATING
N55 INJECTORS**



***MODEL 8V-71 LOW PROFILE
MARINE INTERMITTENT RATING
N65 INJECTORS**

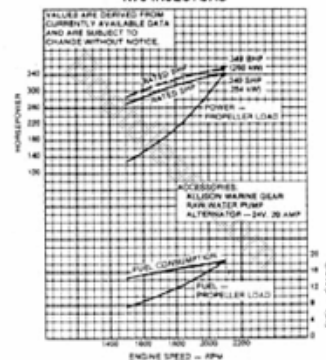


***MODEL 8V-71 LOW PROFILE
MARINE MAXIMUM RATING
N70 INJECTORS**

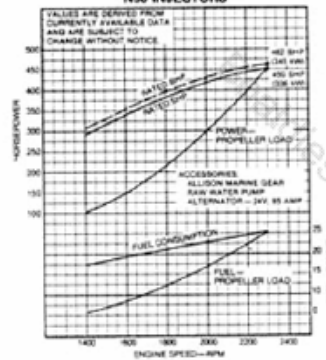


8V-71Ti Low Profile

***MODEL 8V-71Ti
MARINE INTERMITTENT RATING
N70 INJECTORS**



***MODEL 8V-71Ti
MARINE MAXIMUM RATING
N90 INJECTORS**



No continuous rating is currently available for the 8V-71Ti

Rating Explanation

RATED BHP—Basic engine gross horsepower.
RATED SHP—Net power available at the marine gear output shaft.
PROPELLER LOAD—Indicates horsepower absorbed by a typical propeller and the corresponding fuel

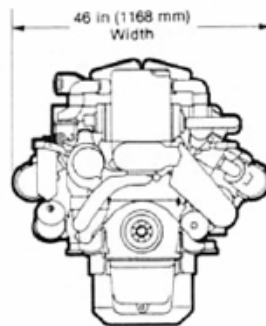
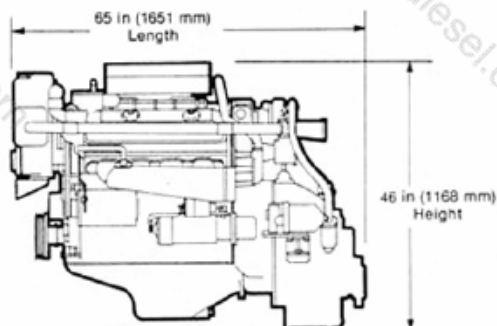
consumption throughout the speed range.
POWER OUTPUT guaranteed within 5% at standard ambient conditions.
MARINE ENGINE RATING—The use of the ratings e.g., maximum, intermittent and continuous; varies with

type of vessel in which the engine is installed. See your Detroit Diesel Allison representative for the rating that will apply to your vessel.

*Rating conditions of 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Barometer (Dry)

Model 7082-3000, 7082-7000

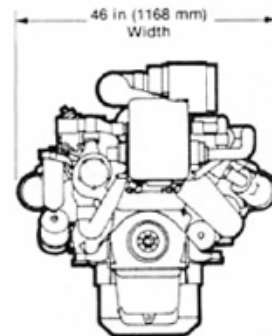
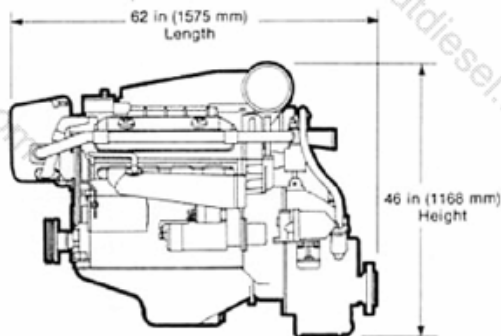
8V-71



Approximate dimensions shown.
For complete dimensional information, refer to installation drawing 2SA235.

Model 7082-3001, 7082-7001

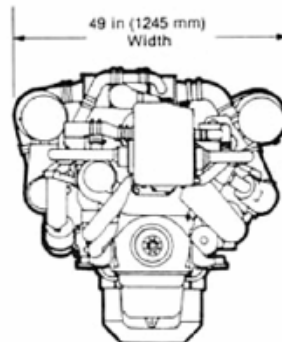
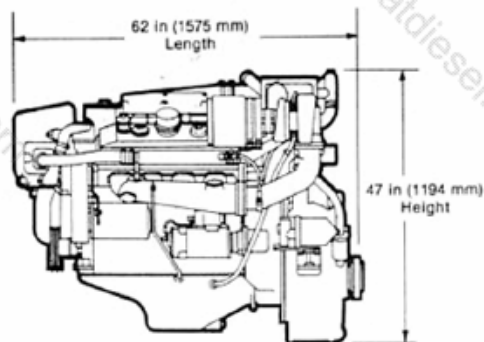
8V-71 Low Profile



Approximate dimensions shown.
For complete dimensional information, refer to installation drawing 2SA366.

Model 7082-3300, 7082-7300

8V-71TI Low Profile



Approximate dimensions shown.
For complete dimensional information, refer to installation drawing 2SA368.

standard equipment

Air Inlet Housing

Air Silencer

Alternator—24 volt, 50 amp, 8V-71TI only; 24 volt, 65 amp, 8V-71 and 8V-71 low profile

Crankshaft Pulley

Engine Mounts—Includes mounts for both engine and marine gear

Exhaust Manifold—Water cooled

Flywheel Housing—SAE #2

Fuel Filters—Spin-on

Governor—Variable speed

Heat Exchanger—Includes raw water pump and piping

Injectors—Cam operated, unit type, clean tip

Instruments—Includes ammeter, hourmeter, tachometer, water temperature gauge, and oil pressure gauges for both engine and marine gear

Intercooler—8V-71TI only

Lube Oil Cooler—16 plate, 8V-71 and 8V-71 low profile; 18 plate, 8V-71TI only

Lube Oil Filter—Full-flow, spin-on

Marine Gear—Allison "M" type, hydraulic reverse and reduction gear, 2 to 1 ratio, 8V-71 low profile, and 8V-71TI; Allison "MH" type, hydraulic reverse and reduction gear, 1.97 to 1 ratio, 8V-71 only

Oil Pan—Cast iron, designed for 0°-15° inclination angle, rear sump

Starting Motor—24 volt

Turbocharger—TH08A64, .96 A/R

Water Filter—Fresh water filter with 30-gallon (113.5 liters) capacity

For a complete listing of standard and optional equipment, consult your authorized Detroit Diesel Allison representative.

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