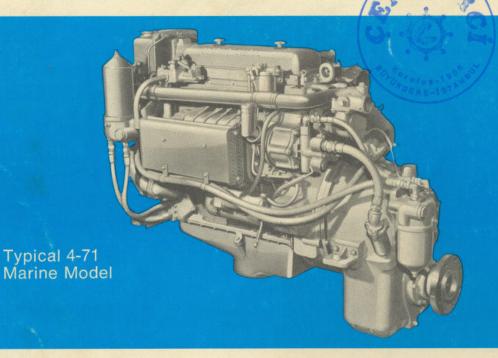
Detroit Diesel Engines

marine models

TÜRKİYE GENEL MÜMESSİLİ
KURT DAŞAKINCI MÜESSESESİ
MERKEZ - ANKARA ŞUEB - ASTANBUL
TELF: 173822 - 121342 TELF: 472830 - 47398

Deniz Woter Jamir Athyash Ibrahim ve Sultan Compared Kard of Ver Bayükdam, Kurtar Soke No. 7 ISTAN BUL AM. 642 1917 - 142 01 51



Model 4-71 1042-3000 1042-5000

specifications

Basic Engine	4-71
Model Number	1042-3000 (port) 1042-5000 (starboard
Engine Type Number of Cylinders	Two Cycle 4
Bore and Stroke Two Cycle Displacement (Every Downstroke a Powerstroke)	4¼ in. x 5 in. 284 cu. in.
Rated Brake Horsepower 60°F and Sea Level	175 @ 2300 RPM
Rated Shaft Horsepower 85°F and 500 ft.	160 @ 2300 RPM
Continuous Shaft Horsepower 85°F and 500 ft. Compression Ratio	115 @ 1800 RPM 18.7 to 1
Approximate Net Weight (dry) With Standard Equipment	2275 lbs.

Rating Explanation

RATED BRAKE HORSEPOWER— Approximate basic engine power rating at 60°F and Sea Level.

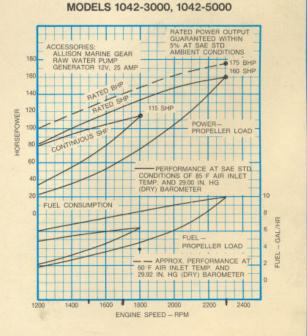
RATED SHAFT HORSEPOWER—Net power available at the marine gear output shaft; this rating is recommended for pleasure craft applications.

CONTINUOUS SHAFT HORSEPOWER—Net power available at the marine gear output shaft for continuous duty or workboat applications.

PROPELLER LOAD—Indicates horsepower absorbed by a typical propeller and the corresponding fuel consumption throughout the speed range.

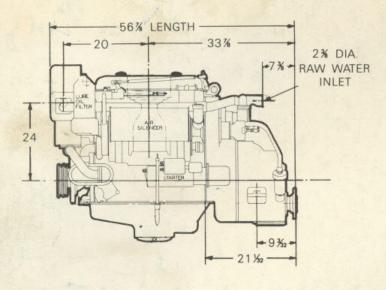
Propeller load and shaft horsepowers as shown are based on ambient conditions of 85°F, Bar. (dry) 29.00 in. HG and include deduction for standard marine accessory equipment.

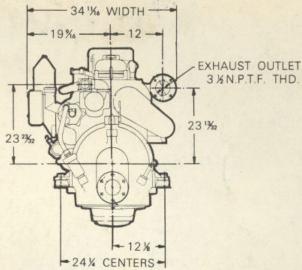
ENGINE PERFORMANCE



principal dimensions

4071C





For complete dimensional information, refer to installation drawing 2 SA 256 for model 1042-5000 and 2 SA 260 for model 1042-3000.

standard equipment

Air Inlet Housing—Aluminum housing with manual air shutdown. Includes air silencer

Crankshaft Pulley-7.5 in. diameter, 2-groove

Engine Mounts—Includes mounts for engine and marine gear

Exhaust Manifold-Water-cooled

Flywheel Housing-SAE #2

Generator-Battery-charging, 12-volt, 25 amp. DC

Governor-Variable speed, includes throttle controls

Heat Exchanger—Includes raw water pump and piping

Injectors-Cam-operated, unit type, "Clean Tip"

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

Lube Oil Filter-Full-flow filter

Marine Gear—Allison hydraulic reverse and reduction gear, 2 to 1 ratio

Oil Pan and Distribution System—Stamped oil pan for 30° installation angle, rear sump

Starting Equipment—12 volt, starting motor, sprag over-running clutch

Vibration Damper-Single, light, viscous

Water Filter—Fresh water filter with 10-gallon capacity

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

Specifications subject to change without notice.



Detroit Diesel Allison

Division of General Motors Corporation

13400 West Outer Drive Detroit, Michigan, 48228

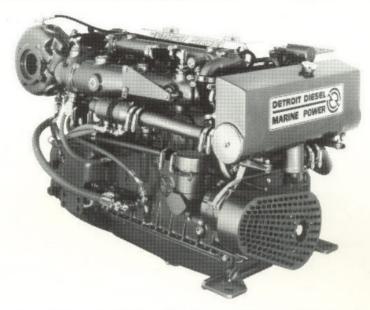
In Canada Diesel Division, General Motors of Canada Limited London Ontario

DETROIT DIESEL

4-71TI 325 BHP

Marine Pleasure Craft





30 EKIM 1996

General Specifications

Basic Engine Model – Port

- Port 1042-7300 Starboard 1042-5300

Description

Turbocharged-Intercooled

with Bypass Blower

Number of Cylinders

Bore and Stroke

4.25 in x 5.00 in (108 mm x 127 mm)

Displacement

284 cu in (4.7 liters)

Compression Ratio

17:1

4-71TI

Weight (dry) w/o Gear 1800 lbs (817 kg)

Rated Power Output—Maximum

Gross Power Net Power 325 BHP (242 kW) @ 2600 RPM 310 SHP (231 kW) @ 2600 RPM

Equipment Specifications

Air Inlet Housing-12 Volt electric air shut down, manual optional

Alternator-12 volt, 66 amp

Blower-Maxi by-pass

Crankcase vapor collectors with silencers

Engine mounted Gauge Package

Engine Mounting—Brackets for both engine and marine gear

Exhaust System—Water-cooled manifold, riser and turbocharger

Flywheel Housing-#2 SAE Aluminum

Governor-Variable speed

Heat Exchanger—Tube and shell

Intercooler—Raw water

Manual Fuel Prime Pump

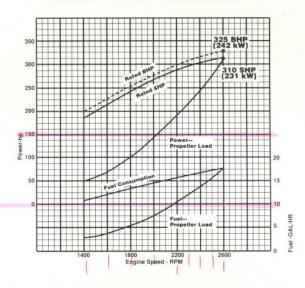
Marine Gear-Available with Detroit Diesel 5050V or 5050A

Oil Drain Connection

Starting Motor— 12 volt

Performance Curve

Model 4-71TI—Maximum



Rating Explanation

RATED BHP Basic engine gross horsepower.

RATED SHP Net power available at the marine gear output flange. PROPELLER LOAD Indicates horsepower absorbed by a typical fixed pitch propeller.

POWER OUTPUT guaranteed within 5% at rated ambient conditions.

MARINE MAXIMUM The marine maximum rating applies to high performance boats where speed is of primary importance and overall load factors are low. Normal or continuous cruising RPM should be limited to 90% of rated engine RPM, and the use of full rated power should be limited to 10% (average) of operating time. This rating is normally reserved for privately-owned yachts in non-revenue applications with an average annual hour accumulation of 500 hrs.

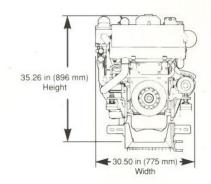
NOTE: Other boats; e.g., fire, police, with an overall duty cycle similar to the maximum category may be applied at the appropriate rating.

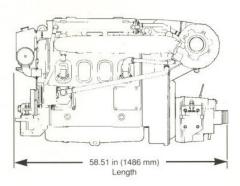
Consult your authorized Detroit Diesel Corporation representative for the rating that will apply to your vessel.

Dimensional Drawing

Model 1042-7300 4-71TI

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





DETROIT DIESEL



13400 Outer Drive, West / Detroit, Michigan 48239-4001

Telephone: 313-592-5000 FAX: 313-592-7288



Detroit Diesel Engines

truck models

6-/11 262 hp *



kurt başakıncı müessesesi

Merkez: ANKARA

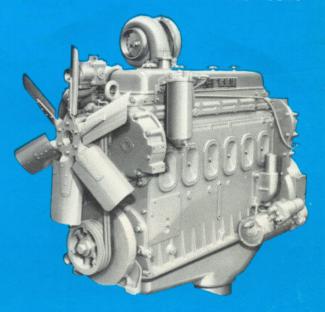
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Sub-- ISTANBUL Ter 7 23 50 - 47 28 30



AUTOCAR.
FREIGHTLINER.
WESTERN STAR.
WHITE.

Model 6-71T 1067-8340



Typical 6-71T Truck Model

specifications

		poomoduono
Basic Engine	6-71T with N70 Injectors	6-71T with N75 Injectors
Engine Type	Two Cycle	Two Cycle
Number of Cylinders	6	6
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)
Two Cycle Displacement (Every Downstroke a Powerstroke)	426 cu. in. (6981 cc)	426 cu. in. (6981 cc)
Rated Brake Horsepower 85° F and 500 ft. (SAE) Metric 85° F and 500 ft.	250 @ 2100 RPM 253 @ 2100 RPM	262 @ 2100 RPM 266 @ 2100 RPM
Torque 85° F and 500 ft. (SAE) Metric 85° F and 500 ft.	690 lb. ft. @ 1400 RPM 95.4 kg/m @ 1400 RPM	725 lb. ft. @ 1600 RPM 100.2 kg/m @ 1600 RPM
Compression Ratio	17 to 1	17 to 1
Approximate Dimensions: Length Width Height Net Weight (dry)	56 in. (1425 mm) 35 in. (893 mm) 52 in. (1315 mm) 2195 lb. (996 kg)	56 in. (1425 mm) 35 in. (893 mm) 52 in. (1315 mm) 2195 lb. (996 kg)

For complete dimensional information, refer to installation drawing 2SA392.

performance

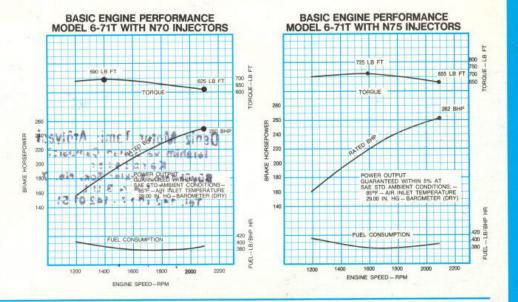
Rating Explanation

RATED BHP is the power rating for variable speed and load applications where full power is required intermittently. This horsepower rating can be maintained at higher altitudes due to turbocharging.

FUEL CONSUMPTION CURVE shows fuel used in pounds per brake horsepower hour. THESE RATINGS do not

include power requirements for accessory and standard equipment.

For complete engine specifications for your particular application, see your truck dealer or authorized Detroit Diesel Allison Representative



standard equipment

Air Compressor-12 CFM

Air Inlet Housing-Aluminum housing and manual air shutdown with 50" control cable

Crankshaft Pulley-7.50" diameter, 3-groove

Exhaust Manifold—Center vertical outlet to turbocharger

Fan-26", 6-blade, suction

Flywheel-SAE #2 for 14" clutch

Flywheel Housing-SAE #2

Generator-Battery-charging, 12-volt, 62 amp,

Governor-Double weight, limiting speed

Injectors-Cam-operated, unit type, "Clean

Lube Oil Filter-Full flow filter

Oil Pan and

Distribution System-Stamped oil pan, rear sump for 30° (rear down) inclination

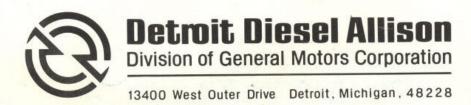
Starting Equipment—12 volt starting motor with sprag over-running clutch

Turbocharger—"Vaneless" turbocharger

Vibration Damper-single, heavy viscous

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

Specifications subject to change without notice.



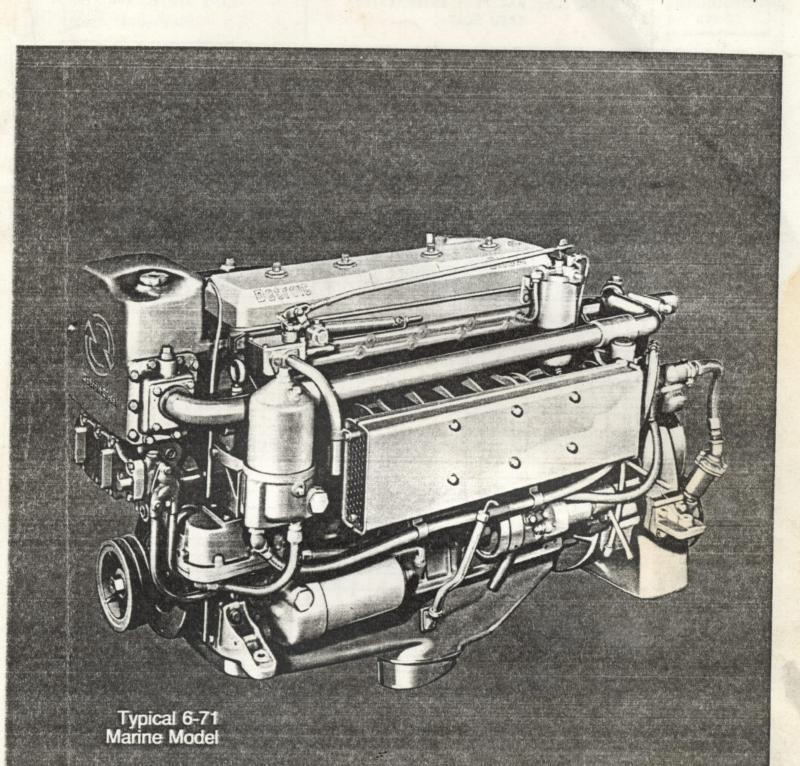
Detroit Diesel Engines

marine models

6-71 265 hp

6-71M 280 hp

6-71M (low-profile) 280 hp



ENGINE PERFORMANCE CURVE



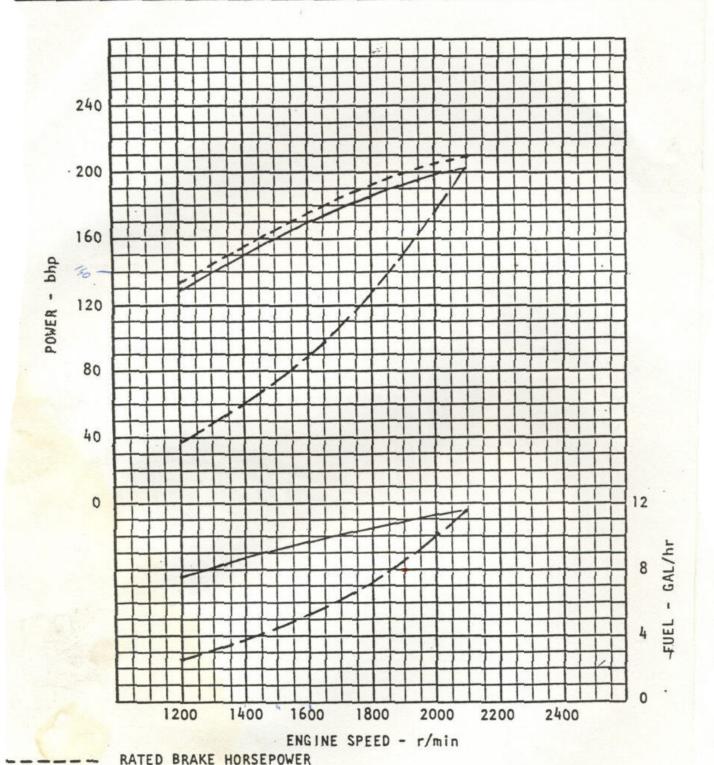
RATING: NET POWER - SEE BELOW

APPLICATION: MARINE - INTERMITTENT

MODEL: 6-71

210 bhp @ 2100 r/min 203 shp @ 2100 r/min

CREW BOAT



RATED SHAFT HORSEPOWER PROPELLER LOAD

ALLISON M GEAR, RAW WATER PUMP, ALTERNATOR 12V42A ACCESSORIES:

CONVERSION FACTOR: LITERS/hr = $GAL/hr \times 3.785$

POWER OUTPUT GUARANTEED WITHIN 5% AT SAE JI349 CONDITIONS:

77°F (25°C) AIR INLET TEMPERATURE; 29.31 in. Ng (99kPa) DRY BAROMETER;
100°F (39°C) FUEL INLET TEMPERATURE (.853 SPECIFIC GRAVITY AT 60°F). CONVERSION FACTORS: POWER: kV = bhp x 0.746

FUEL: kg/kV-hr = 1b/bhp-hr x 0.608

TORQUE: N. = 10-ft x 1.356 - VALUES DERIVED ARE FROM CURRENTLY AVAILABLE DATA AND SUBJECT TO CHANGE VITHOUT NOTICE.

CERTIFIED BY

CURVE NO. E4-1062-52-2

DATE: 4-18-69

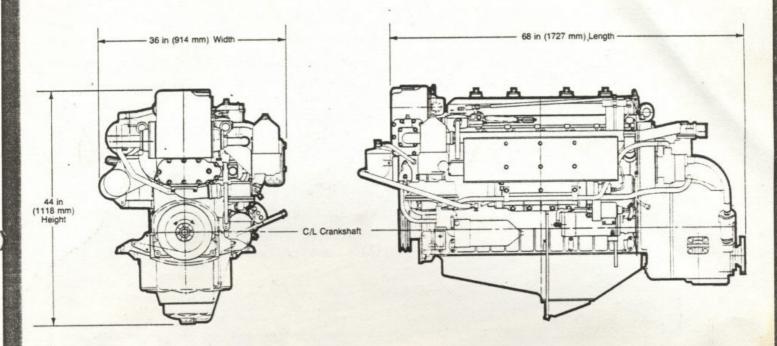
REV./DATE: 2/8-14-85

SHT. 1 OF

STAFF ENGINEER

principal dimensions

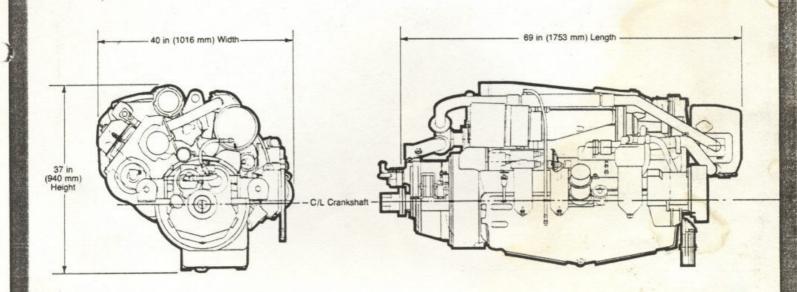
Model 1062-5000



Approximate dimensions shown.

For complete dimensional information, refer to installation drawing 2SA-219 for Models 1062-3000, 1062-3001, and drawing 2SA-218 for Models 1062-5000, 1062-5001.

Model 1062-6001 (low-profile)



Approximate dimensions shown.

For complete dimensional information, refer to installation drawing 2SA-222.

standard equipment

Air Box Drain Tubes

Air Inlet Housing

Air Silencer

Alternator—12 volt, 42 amp, Models 1062-3000, 1062-3001, 1062-5000, and 1062-5001 only

Crankshaft Pulley

Engine Mounts—Includes mounts for engine and marine gear

Exhaust Manifold—Water cooled

Flywheel Housing—SAE #2

Fuel Filters

Governor—Variable speed, Models 1062-3000, 1062-3001, 1062-5000, 1062-5001; limiting speed, Model 1062-6001

Heat Exchanger

Injectors—Cam-operated, unit type, clean tip

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

Lube Oil Cooler

Lube Oil Filter-Full flow

Marine Gear—Allison "M" type, hydraulic reverse and reduction gear, 2 to 1 ratio

Oil Pan—Cast iron pan for 21°-30° inclination angle, rear sump, Models 1062-3000, 1062-3001, 1062-5000, 1062-5001; stamped steel pan for 10° inclination angle, Model 1062-6001 only

Starting Motor-12 volt

Vibration Damper

Water Filter—Fresh water filter with 10 gallon (37.9 Liters) capacity

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

Specifications subject to change without notice.





DETROIT DIESEL

6-71TI **485 BHP**

Marine Pleasure Craft







General Specifications

Basic Engine Model-Port

1062-7300 1062-5300

6-71TI

Description

Turbocharged-Intercooled with Bypass Blower

Number of Cylinders

Bore and Stroke

Starboard

4.25 in x 5.00 in (108mm x 127mm)

Displacement

426 cu in (6.9 liters) 17:1

Compression Ratio

Weight (dry) 2850 lbs (1293 kg)

Rated Power Output—Maximum

Gross Power Net Power

485 BHP (362 kW) @ 2500 RPM 465 SHP (347 kW) @ 2500 RPM

Rated Power Output—Intermittent-Maximum

Gross Power Net Power

450 BHP (336 kW) @ 2500 RPM 430 SHP (321 kW) @ 2500 RPM

Equipment Specifications

Air Inlet Housing-Electric air shut down, manual optional

Alternator-12 volt, 66 amp, 90 amp optional

Blower-Maxi by-pass

Breather Collector System

Cam-Integral Advance Timing

Engine-Mounting Brackets for both engine and marine gears

Exhaust.System—Fresh water - cooled manifolds and turbine housing

Governor-Variable speed

Heat Exchanger-Single pass tube and shell

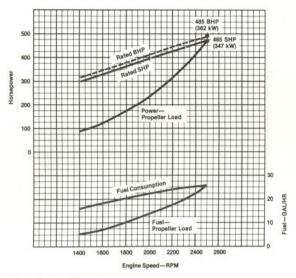
Intercooler-Raw water

Marine Gear-Detroit Diesel MG507-2, MG507A-2 and MG5091

Turbocharger-High and low mounting options

Performance Curve

Model 6-71TI—Maximum



Rating Explanation

RATED BHP Basic engine gross horsepower.

RATED SHP Net power available at the marine gear output flange. PROPELLER LOAD indicates horsepower absorbed by a typical fixed pitch propeller.

POWER OUTPUT guaranteed within 5% at rated ambient conditions.

MARINE MAXIMUM The marine maximum rating applies to high performance boats where speed is of primary importance and overall load factors are low. Normal or continuous cruising RPM should be limited to 90% of rated engine RPM, and the use of full rated power should be limited to 10% (average) of operating time. This rating is normally reserved for privately-owned yachts in non-revenue applications with an average annual hour accumulation of

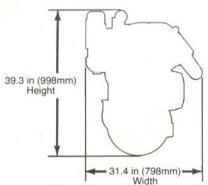
Dimensional Drawing

Model 1062-7300 6-71TI

Approximate dimensions shown. For complete dimensional information, efer to installation drawing

DETROIT DIESEL

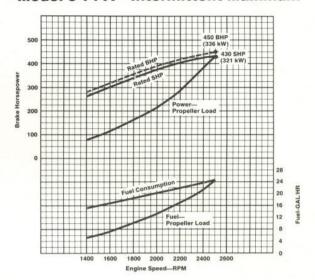
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CORPORATION

JO Outer Drive, West / Detroit, Michigan 48239-4001 ohone: 313-592-5000 4820091 / TWX: 810-221-1649

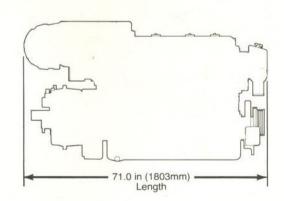
Model 6-71TI—Intermittent-Maximum



MARINE INTERMITTENT-MAXIMUM The intermittent-maximum rating is reserved for privately-owned yachts with long-range cruising cabability and/or used in seasonal charter operation. Normal or continuous cruising RPM should be limited to 90% of the rated engine RPM and the use of full rated power should be limited to 10% (average) of operating time. All boats in this category are limited to a maximum of 1,000 hours per year.

NOTE: Other boats; e.g., fire, police, with an overall duty cycle similar to maximum or intermittent-maximum may be applied at the appropriate rating.

Consult your authorized Detroit Diesel Corporation representative for the rating that will apply to your vessel.

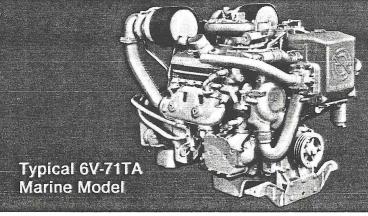


Detroit Diesel Engines marine models

6V-71 250 hp

Low Profile 6V-71TA 375 hp Twin Disc MG507 Marine Gear

Low Profile 6V-71TA 435 hp Allison "M" Marine Gear



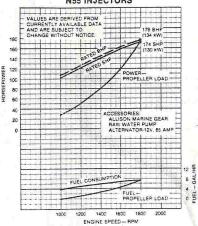
basic specifications

Basic Engine	6V-71	Low Profile 6V-71TA Twin Disc MG507 Marine Gear	Low Profile 6V-71TA Allison "M" Marine Gear
Model-Port Starboard	7062-3000 7062-7000	7062-7601	7062-3600 7062-7600
Description	Naturally Aspirated	Turbocharged-Aftercooled	Turbocharged-Aftercooled
Number of Cylinders	6	6	6
Bore and Stroke	4.25 in \times 5 in (108 mm \times 127 mm)	4.25 in \times 5 in (108 mm \times 127 mm)	4.25 in \times 5 in (108 mm \times 127 mm)
Displacement	426 cu in (6.99 liters)	426 cu in (6.99 liters)	426 cu in (6.99 liters)
Compression Ratio	18.7 to 1	17 to 1	17 to 1
Net Weight (dry)	2570 lbs (1166 kg)	2725 lbs (1236 kg)	2780 lbs (1261 kg)

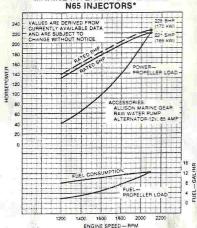
power specifications

Continuous Injectors	N55	No continuous ratir	ng	No continuous rating
Rated Gross Power	179 BHP (134 kW) @1800 RPM*	is currently available for the 6V-71TA	le	is currently available for the 6V-71TA
Rated Net Power	174 BHP (130 kW) @1800 RPM*			
Intermittent	@ 1000 RPM			
Injectors	N65	N70		N70
Rated Gross Power	228 BHP (170 kW)	260 BHP (194 kW)		260 BHP (194 kW)
	@ 2100 RPM*	@ 2100 RPM†		@ 2100 RPM†
Rated Net Power	221 SHP (165 kW)	250 SHP (187 kW)	5	250 SHP (187 kW)
Mandan	@ 2100 RPM*	@ 2100 RPM†	,	@ 2100 RPM†
Maximum	NIZO	71105		0015
Injectors	N70	7N95		9215
Rated Gross Power	250 BHP (187 kW)	375 BHP (280 kW)		435 BHP (325 kW)
	@ 2300 RPM*	@ 2300 RPM*		@ 2300 RPM†
Rated Net Power	240 SHP (179 kW)	365 SHP (272 kW)		425 SHP (317 kW)
	@ 2300 RPM*	@ 2300 RPM*		@ 2300 RPM† ·
*Rating conditions of 85 °F (29.4 †Rating conditions of SAE: 77 °F		neter (Dry)		

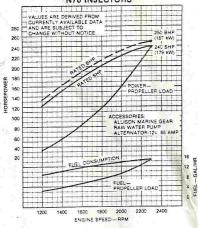
MODEL 6V-71
MARINE CONTINUOUS RATING
N55 INJECTORS*



MODEL 6V-71
MARINE INTERMITTENT RATING



MODEL 6V-71
MARINE MAXIMUM RATING
N70 INJECTORS*

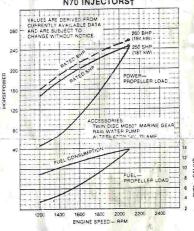


6V-71TA

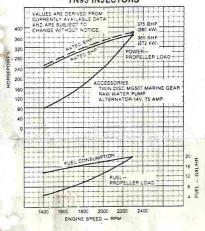
(Twin Disc MG507 Marine Gear)

No continuous rating is currently available for the 6V-71TA.

MODEL 6V-71TA
MARINE INTERMITTENT RATING
N70 INJECTORS†



MODEL 6V-71TA MARINE MAXIMUM RATING 7N95 INJECTORS*



6V-71TA

(Allison "M" Marine Gear)

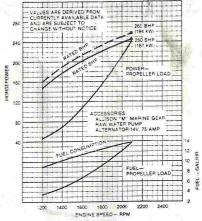
No continuous rating is currently available for the 6V-71TA.

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%

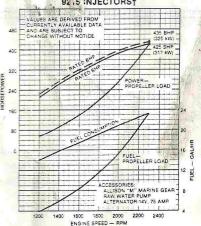
MODEL 6V-71TA MARINE INTERMITTENT RATING N70 INJECTORS†



at standard ambient conditions.

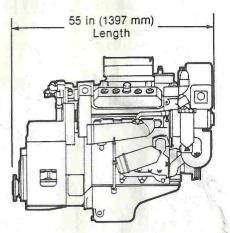
MARINE ENGINE RATING—The use of the ratings e.g., maximum, intermittent and continuous; varies with type of vessel in which the engine is installed. See your Detroit Diesel Allison representative for the rating

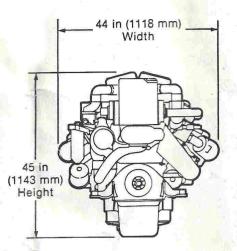
MODEL 6V-71TA MARINE MAXIMUM RATING 92.5 INJECTORS†



that will apply to your vessel.
*Rating conditions of 85°F (29.4°C)
and 29.00 in Hg (98.19 kPa)
Barometer (Dry)
†Rating conditions of SAE: 77°F
(25°C) and 29.31 in Hg (99 kPa)
Barometer (Dry)

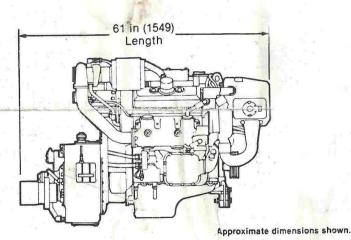
Model 7062-3000, 7062-7000



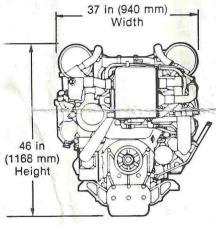


Approximate dimensions shown.
For complete dimensional information, refer to installation drawing 2SA234.

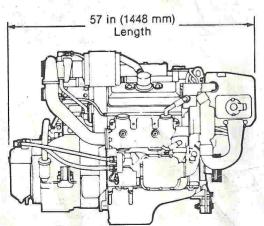
Model 7062-7601



6V-71TA Twin Disc MG507 Marine Gear

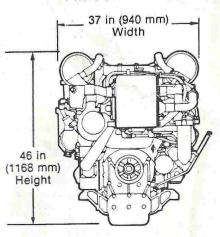


Model 7062-3600, 7062-7600



Approximate dimensions shown.

6V-71-TA Allison "M" Marine Gear



standard equipment

Aftercooler-6V-71TA only

Air Inlet Housing

Air Silencers

Alternator-12 volt, 65 amp, 6V-71; 14 volt, 75 amp (for normal 12 volt charging system), 6V-71TA

Crankshaft Pulley

Engine Mounts-Resilient mounts for engine and marine gear

Exhaust Manifold-Water-cooled

Flywheel Housing—SAE #2

Fuel Cooler-6V-71TA only

Fuel Filters

Governor-Variable speed

Heat Exchanger-Includes raw water pump and piping

Injectors-Cam operated, unit type, clean tip

Lube Oil Cooler

Lube Oil Filter-Full-flow

Marine Gear-Allison "M" Marine Gear, 2 to 1 ratio, 6V-71 and 6V-71TA; Twin Disc Marine Gear. MG507, 1.98 to 1 ratio, 6V-71TA

Oil Pan and Distribution System—Cast iron oil pan for 0-15° inclination angle, rear sump

Starting Motor-12 volt, 6V-71; 12 volt, high output, 6V-71TA

Turbochargers—Twin turbos, 6V-71TA only

Water Filter-Fresh water filter with 30-gallon (113.6 liters) capacity

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

Demirhan Sadıkoğlu 2015

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GW

Netmit Diesel Allison

Division of General Motors

13400 Outer Drive, West, Detroit, Michigan 48239-4001 (313/592-5000) **OFFICES**

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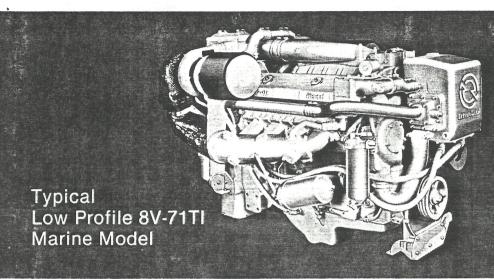
Oslo, Norway Los Angeles, California, U.S.A. Arlington, Virginia, U.S.A. Antwerp, Belgium Biel Bienne, Switzerland Helsinki, Finland Paris, France Ruesselsheim, Germany Stockholm, Sweden Northampton, England Johannesburg, South Africa Lisbon, Portugal

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Detroit Diesel Engines

marine models

8V-71 333 hp Low Profile Low Profile 8V-71 8V-71TI 333 hp 462 hp



basic specifications

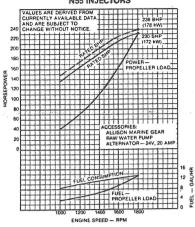
Basic Engine	8V-71	Low profile 8V-71	Low profile 8V-71TI
Model-Port Starboard	7082-3000 7082-7000	7082-3001 7082-7001	7082-3300 7082-7300
Description	Naturally Aspirated	Naturally Aspirated	Turbocharged-Intercooled
Number of Cylinders	8	8	8
Bore and Stroke	4.25 in \times 5 in (108 mm \times 127 mm)	4.25 in \times 5 in (108 mm \times 127 mm)	4.25 in × 5 in (108 mm × 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

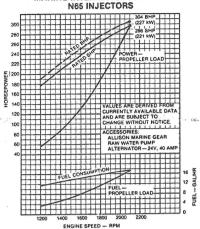
Continuous	NEE	NEE	Na aastausus sattas
Injectors	N55	N55	No continuous rating
Rated Gross Power	239 BHP (178 kW) @ 1800 RPM*	239 BHP (178 kW) @ 1800 RPM*	is currently available for the 8V-71TI.
Rated Net Power	230 SHP (172 kW) @ 1800 RPM*	230 SHP (172 kW) @ 1800 RPM*	
Intermittent	G 1000 1.1. 11.		•
Injectors	N65	N65	N70
Rated Gross Power	304 BHP (227 kW)	304 BHP (227 kW)	349 BHP (260 kW)
Hated Gloss Fower	@ 2100 RPM*	@ 2100 RPM*	@ 2100 RPM*
Rated Net Power	296 SHP (221 kW) @ 2100 RPM*	296 SHP (221 kW) @ 2100 RPM*	340 SHP (254 kW) @ 2100 RPM*
Maximum	g 2.00 m m	3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 =
Injectors	N70	N70	N90
Rated Gross Power	333 BHP (248 kW)	333 BHP (248 kW)	462 BHP (345 kW)
114.04 41000 101101	@ 2300 RPM*		
Detect Nat Dames		@ 2300 RPM*	@ 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°E (29.4°C) and 29.00 in Hg (98.19 kPa	N Barometer (Dry)	

8V-71

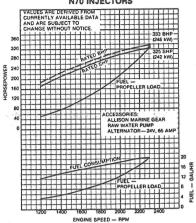
*MODEL 8V-71
MARINE CONTINUOUS RATING
N55 INJECTORS





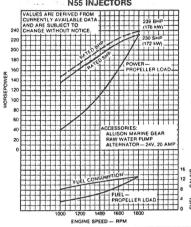


*MODEL 8V-71 MARINE MAXIMUM RATING N70 INJECTORS

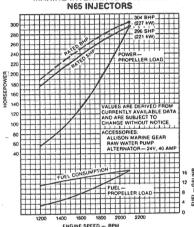


8V-71 Low Profile

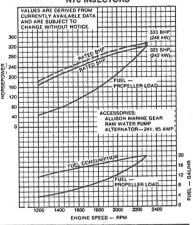
*MODEL 8V-71 LOW PROFILE MARINE CONTINUOUS RATING N55 INJECTORS



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



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



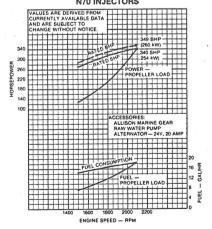
8V-71TI Low Profile

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

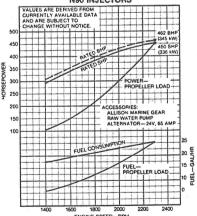
Rating Explanation

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

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



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



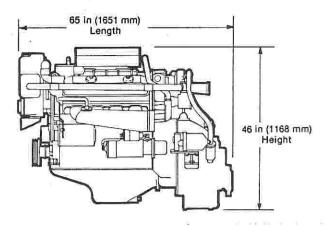
consumption throughout the speed

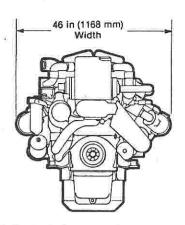
POWER OUTPUT guaranteed within 5% at standard ambient conditions. MARINE ENGINE RATING—The use of the ratings e.g., maximum, intermittent and continuous; varies with

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

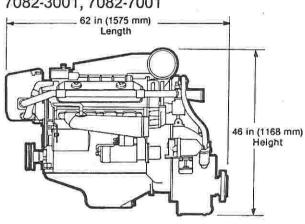


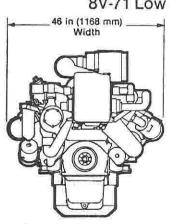


Approximate dimensions shown. For complete dimensional information, refer to installation drawing 2SA235.

Model 7082-3001, 7082-7001

8V-71 Low Profile

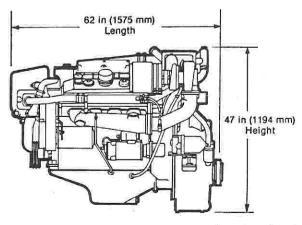


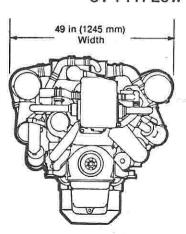


Approximate dimensions shown.
For complete dimensional information, refer to installation drawing 2SA366.

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-71Tl 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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Detroit Diesel Engines

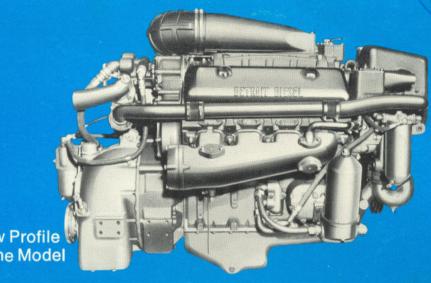
marine models

low profile



OFCIRIRIYE GENEL MICHESSIL

50 hp



Model 7082-3001 7082-7001

Typical Low Profile 8V-71 Marine Model

specifications

Basic Engine

Model

Engine Type Number of Cylinders Bore and Stroke

Two Cycle Displacement (Every Downstroke a Powerstroke)

Rated Gross Power:

60°F and Sea Level (approx.) 15.6°C and Sea Level (approx.)

Rated New Power:

85°F and 500 ft. (SAE) 29.4°C and 152.4 m (SAE)

Continuous Net Power:

85°F and 500 ft. (SAE) 29.4°C and 152.4 m (SAE)

Compression Ratio

Net Weight (Mass) (dry) (approx.)

8V-71

7082-3001 (port) 7082-7001 (starboard) Two Cycle 4.25 in. x 5 in. (108 mm x 127 mm) 568 cu. in.

*350 BHP @ 2300 RPM 261 kW @ 2300 RPM

(9.32 litres)

325 SHP @ 2300 RPM

242 kW @ 2300 RPM

230 SHP @ 1800 RPM 172 kW @ 1800 RPM 18.7 to 1 3100 lbs. (1406 kg)

Rating Explanation

RATED BRAKE HORSEPOWER—Approximate basic engine (gross) power at conditions of 60°F (15.6°C) and Sea Level.

RATED SHAFT HORSEPOWER-Net power available at the marine gear output shaft; this rating is recommended for pleasure craft applications.

CONTINUOUS SHAFT HORSEPOWER-Net power available at the marine gear output shaft for continuous duty or workboat

PROPELLER LOAD-Indicates horsepower absorbed by a typical propeller and the corresponding fuel consumption throughout the speed range.

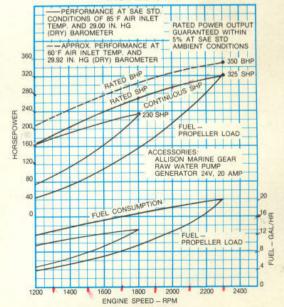
Propeller load and shaft horsepowers as shown are based on ambient conditions of 85°F (29.4°C), Bar. (dry) 29.00 in. Hg (98.19k Pa) and include deduction for standard marine accessory equipment.

rölvesi

Deniz Motor Taring İbrahim ve Sultan Çemberçi Karduslai Büyükdere, Kırklar Sok, Ne. 7

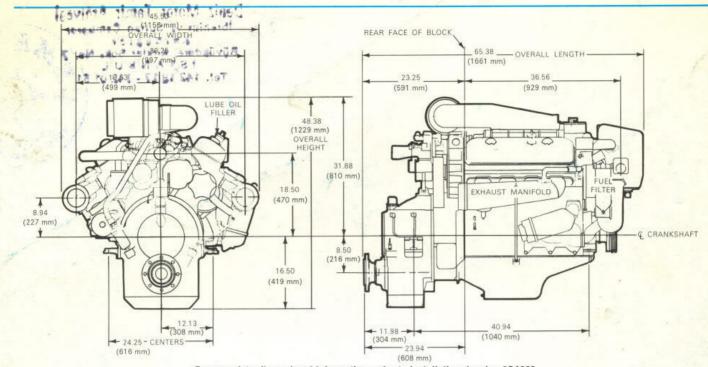
ISTANBUL Tel. 142 19 17 - 142 91 51

ENGINE PERFORMANCE* MODEL 8V-71



"Rated" curves based on use of N70 Injectors
"Continuous" curves based on use of N55 Injectors

principal dimensions



For complete dimensional information, refer to installation drawing 2SA366

standard equipment

Air Inlet Housing-Includes manual shutdown

Air Silencer

Crankshaft Pulley-7.5 in diameter, 3-groove

Engine Mounts—Includes mounts for engine and marine gear

Exhaust Manifold-Water-cooled with flange

Flywheel-SAE #2

Flywheel Housing-SAE #2

Generator-24 volt, 20 amp, DC

Governor-Variable speed, with throttle controls

Heat Exchanger—Includes raw water pump and piping

Injectors—Cam-operated, unit type, "Clean Tip"

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

Lube Oil Filter-Full-Flow filter

Marine Gear—Allison hydraulic reverse and reduction gear, 1.97 to 1 ratio

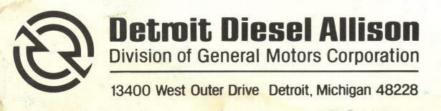
Oil Pan and Distribution System—0-15 degree installation angle

Starting Equipment—24 volt starting motor, with sprag over-running clutch

Water Filter—Engine fresh water, 30 gallon capacity

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

Specifications subject to change without notice



CORPORATION



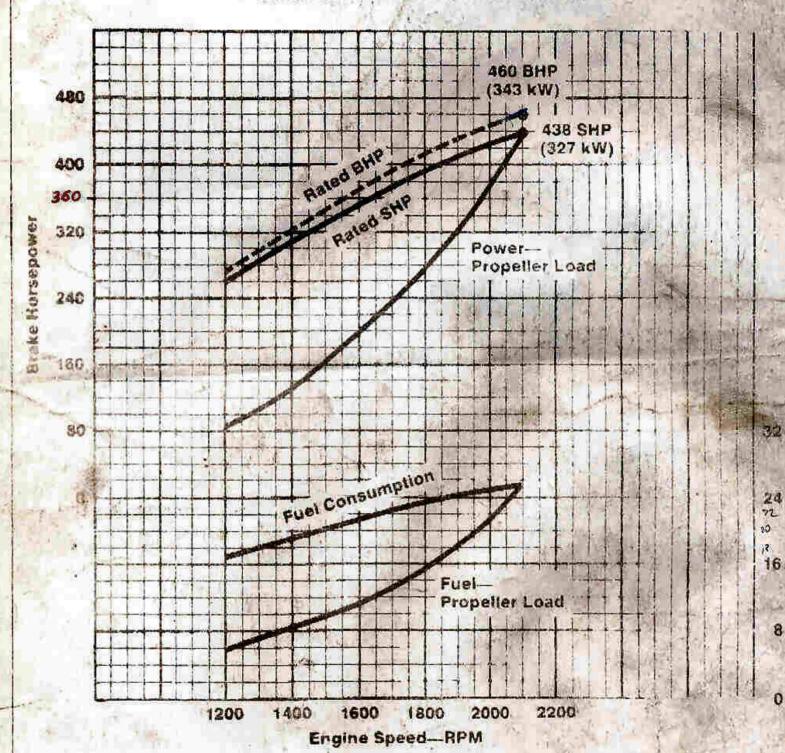
12V-71 Marine

Rating: Intermittent 460 BHP @ 2100 RPM 438 SHP @ 2100 RPM

Injector: 7N65

m

ENGINE PERFORMANCE CURVE



ACCESSORIES TWIN DISC MG514 GEAR HAW WATER PUMP, ALTERNATUR 24 VIVA

Air Intake Restriction - In. M.O (kPa) . . 10 (2.5)

Exhaust Back Pressure - in H 0 (kga) - 45

Power deput published in the attack contained in the property of the pro

C. + + - 1/22 y 1 5 - 1 3/4 = 010 x 1/46

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Certified by:

Mark & Kuhun

Curve NC. E.- 1,2-5 Dark 3-2-5

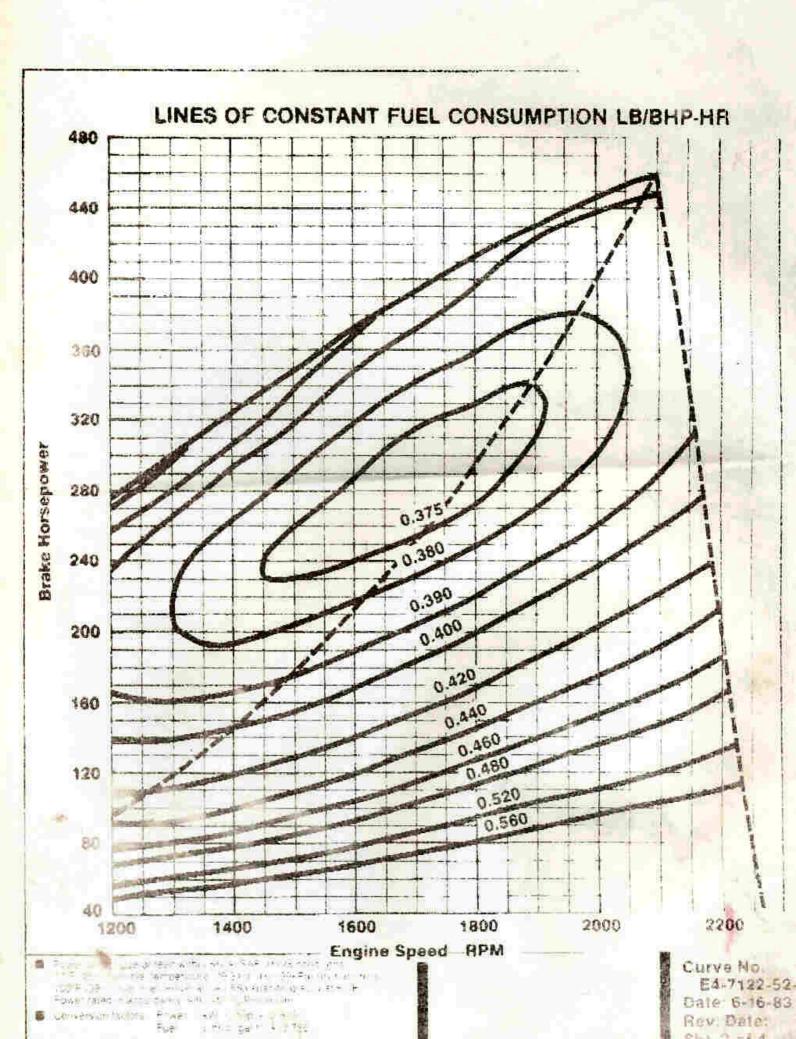
Values Mill of Nep 1 or Spread Eleven

anthous miles



12V-71 Marine Injector: 7N65

Sht. 3 of 4



Engine Specification Data

_							
General Data Model Number of Cylinders Sore and Stroke-in (mm) Disclaration Pan Compression Pan	74 70 74 70	Cooling	System	3	- 110		Maria Mi
Number of Cylinders	122-7000	Eng/	ne Heat Hejc ne Redisted H	ear Bt mr	AW)	2680	(/56 3) 46 71
Sore and Stroke in (mm)	4.25x5.00 (108x127)	Max	ne Heat Reje ne Redisted H Fresh Water	Flow gallmin	(filmin)	202 (7	95)
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Platon Speed fr/min (myolio)	1750 (533)	Su	ut to Open- I	(0)		. 170 (7	7)
Citolecoment-in* (L) Compression: Ratio Platon Speed-tymin (rivolis) Valvas Per Cylinder Intake	No: Applicable	t u	art to Open I ily Open F (mum Water P	(C)	ve et er	187 (8	5)
2. 机砂块	. 4	Fre	w Water in Water in Water in Hin Water Capa num Pressure mum Cootent	ile (KPa)	10 10 10 10 10 10 10 10 10 10 10 10 10 1	3.0 (10	12)
Combustion System Engine Type	Direct Injection	Ra	w Water-in H	g (kPa)		5.0 (17	(0)
Aspiration	Natural	Minin	num Pressure	Capiplin' ((Pay	70 (48	13)
Configuration		Maxi	num Coolant	Pressure Ex	13900	Mark Mar	ELINEPACION I
Turbo shargar	Not Applicable	Maxi	mum Raw Wa	ter Pump Pre	55.26	LIO	W HUNE
Turbo-diarge/ Charge Air Cooling System Bower Type Blower Drive Rabo	Nane	ibf	in≥ (xPa) mum Top Teri num Top Teri		4 1	. 10.0 (6	9 0)
Blower Drive Plate	2.05.1	Marie	num Top Tan	· Temperaturi · Temperature	F	160	(12)
Low Idia Speed-rimin	550	Marin	Tim Coolant	Fill Mate.			
		S m	min (Umin) passed Raw W	Aler Pine Sit	Earl (more)	3.0 (11	2)
CAMED SALME INF IND	800 (2070)	State	暗加 ec Sea Et	CHICAT SCHOOL			
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Physical Cuts	S SOME NEW CO.	Air Sys	tem		1		
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Weight, dry-fb (kg)	4925 (2204)	Engil	ean Air Clean ne Air Flow ha	ים ימולל בין מויחו	111	1310	37.1
		Engi	ne Air Box Ma	in faid Pressy	20	100 (5	oc a.
From R.F.O.B. (t. axis) on (mm) Above Crenkanan (y axis)-in (mm)	Not Available	Resc	Hg (kPa) Immended Ini	ake Pipe Dia	un (mm)	501	52
Alight of Cranastat (2 axis) in (mm)	Not Available	5400	eated min en	nine foot ve	A/68		1.64
Installation Drawing	5102672	8.2	ax engine roo in H ₂ 0)-inf (c	Aug)	A11	126 (8	3 12
Marine Gear			d System			HARMIN	
	. Twin Disc MG-514	Exhe	ust Flow-ft ^a n	on (milmin)	not was up	3240 /	9 8
Type Reduction Ratios	4,51	Extra	ust Flow-ft ³ n ust Tempera mum Allowab	DIG T ('C)	1 10	870 (4	86)
Lube Oil Capacity approx. (Dees no: include heat exchange: 4 connections		Maria File	essure in Ho	EXPERT		44114	01
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(Marine geer must use straight viscosity of),	Sir	ngie in (mm) iel-in (mm)	~ a	II ×	60(15	(2)
Fuel Bystom	15	99B 55B				THE ALEM	,e ₂
Fuel Injector/Tening Fuel Injection Pump Timing	7NES 1 484 NOT Applicable		oal System Immended Sa		u e		
Fuel Consumption-Item (kg/h/)	180.7.(82.0)	(C	CA (& C'F)	TELA CADACO	6		
Fuel Consumption-gaint (Uhr)	25.9 (97.8)	12	Valt System	(6128CPA)		*EAA	
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Maximum Allowable Fuel Pump Succon	THE LAND SHOWER		Below 32°F (0°C)-A		1250	
Clean System in Hg (kPa) Dirty System in Hg (kPa) Fuel Filter Micron Size	6 (20)	Mar.	mum Atlowasi arting Circuit	e Resistance	Ç*		
Primary-Micron Size	63411	- 34	12 volt system	n-of-m		0.0042	,
Primary-Wigon	30		12 volt system 24 volt system	n ohm		0.002	
Recommended Supply Line Diameter	1.6	Pertor	nance Data				
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In Pan Oil Temperature F (*C)	200-235 (93-113)			M. CORRELL		1.100.00	
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Oil Pan Capacity High-qr (L)	33 (31.2)	1/03/0	bhp (kW)	sho (kW)	98	the	West of the
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filters-g; (L)	37 (35.0)	2100		438 (327) 425 (317)	25.9	3= 01	393 (239 392 (239
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NO, graftir SO, graftir Smoke-Boach Number Noise-dB (A) @ 1m	103 1	2100	438 (NO.	(239)
Ref: E4PR-7121-52-2		5000	374	282 21	9 (82.9)	383	(233)
		1500	276 (327) 25 282 2 206) 15 119)	8 (59.9)	374	(220)
All values at read appeal and power with standard engine hardware unless otherwise n	ored .	1200	82	(61)	9 (22 4)	430	261
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12V-71 Marine

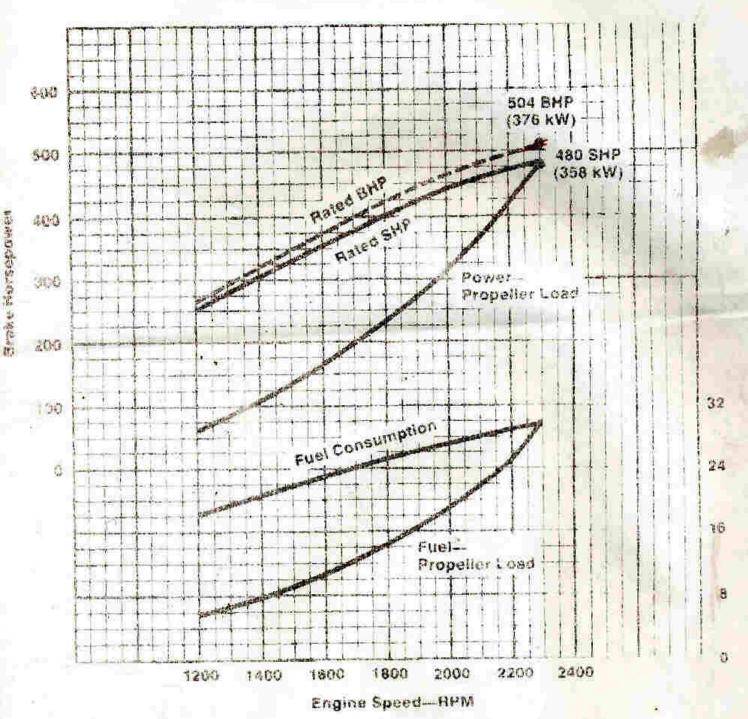
Rating: Intermittent-Maximum

504 BHP # 2300 RPM 480 SHP # 2300 RPM

Injector: N70







NUTRICITIES TOWN DIED HIG BIANGEAU KANNON "EN TUNK, AL ERRICHEN IN A TOUR

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Exhaust Sack Prossure - in. M.C (kPa) 13 (0.7)

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Mark & Kicker

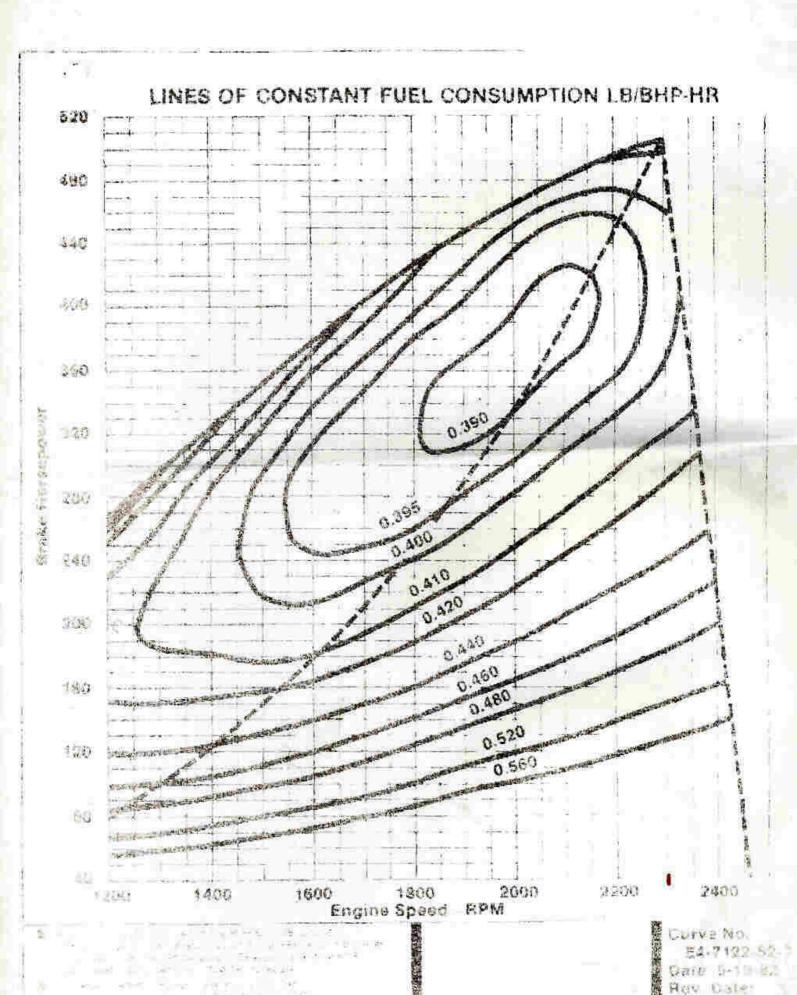
Curve No E4-7122-52-8 Date 3-21-62 Rev Cate: 5 8-95-89 Sht, Ful 4

FURT-GALINE



12V-71 Marine Injector: N70

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Engine Specification Data

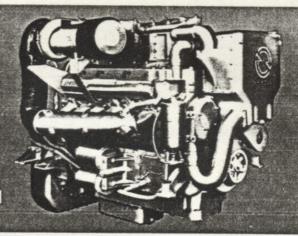
		Cooling System			
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Engine Type Asidreven	63.5' Yes - 2 Cycle	Maximum Cholant F	ressure (Exclusiv	•	- 2002 L
	2414-14-24/11	of Pressure Cap) Max. Raw Water Pu	rukot (kPa) mo Pressur-	NOT AV	arlabre:
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course here manager & connections	. 24 (23)	Single in (mm)		40(
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Fuel Soil Resembling (Life)	697 (417) 126 2 (478) 1105 (501)	Below 32 5 (24 Volt System	CALL OF THE PARTY	. 2506	
Total Fuel Flow light (LCV)	1105 (501)	Above 327 Below 32 F	0.C.A	950 1250	
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- Pan Oil Tomperature F (C)	5 (34) 206 235 (63 -) 49.5 (187)	Engine Speed Power	Power	Fuel	BSFC
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Symples On Filter Online in Linch)	6.128 (9.18) 15	500	405 (302) 332 (248)	25.1 (65.0) 21.8 (82.4)	436 (266) 479 (291)
Medican tretainton Angle	13	125 1128,	25- (187)	18.9 (66.7)	479 (291)
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SOLUTION SPEED TO NUMBER	1.8	2300 (5)	21.5 (81.0)	413 351 364 (2.56)	
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Detroit Diesel Engines marine models

12V-71 500 hp

12V-71TI 750 hp Twin Disc MG514CHP Marine Gear

12V-71TI 870 hp ZF BW 195 Marine Gear



Typical 12V-71TI Marine Model

basic specifications

Basic Engine	12V-71	12V-71TI Twin Disc MG514CHP Marine Gear	12V-71TI ZF BW 195 Marine Gear
Model-Port	7122-3000, 7122-3001**	7122-33004, 3302	_
Starboard	7122-7000, 7122-7001**	7122-7300 4, 7302	7122-7303
Description	Naturally Aspirated	Turbocharged-Intercooled	Turbocharged-Intercooled
Number of Cylinders	12	12	12
Bore and Stroke	4.25 in x 5 in	4.25 in x 5 in	4.25 in x 5 in
	(108mm x 127mm)	(108mm x 127mm)	(108mm x 127mm)
Displacement	852 cu in	852 cu in	852 cu in
	(13.97 liters)	(13.97 liters)	(13.97 liters)
Compression Ratio	18.7 to 1	17 to 1	17 to 1
Net Weight (dry)	4925 lbs (2234 kg)	5200 lbs (2359 kg)	5000 lbs (2268 kg)
** Models 7122-3001 and 7122-7		and 7122-7300 are designed specific	

designed specifically for workboat use. See continuous ratings for power specifications.

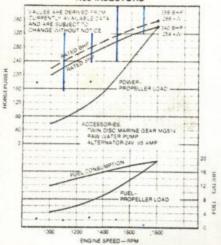
mittent use only and use the Twin Disc MG514 gear. See Twin Disc intermittent ratings for power specifications

power specifications

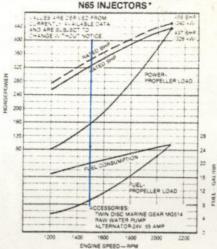
Continuous					
Injectors	N55				
Rated Gross Power	359 BHP (268 kW) @ 1800 RPM*	C	No continuous rating is currently available	No continuous rating is currently available	
Rated Net Power	340 SHP (254 kW) @ 1800 RPM*		for the 12V-71TI	for the 12V-71TI	
Intermittent	@ 1000 HFW				
Injectors	N65		N70	N70	
Rated Gross Power	456 BHP (340 kW) @ 2100 RPM*	pt	539 BHP (402 kW) @ 2100 RPM*	539 BHP (402 kW) @ 2100 RPM*	
Rated Net Power	437 SHP (326 kW) @ 2100 RPM*		510 SHP (380 kW) @ 2100 RPM*	510 SHP (380 kW)	
Maximum	@ 2100 HPW		@ 2100 RPM	@ 2100 RPM*	
Injectors	N70	,	7N95	9215	
Rated Gross Power	500 BHP (373 kW) @ 2300 RPM*	-	750 BHP (560 kW) V	870 BHP (649 kW) @ 2300 RPM†	
Rated Net Power	480 SHP (358 kW) @ 2300 RPM*		720 SHP (537 kW) @ 2300 RPM†	840 SHP (627 kW) @ 2300 RPM†	

^{*}Rating conditions of 85°F (29.4°C) and 29.00 in Hg (98.19 kPa) Barometer (Dry) Values are derived from currently available data and are †Rating conditions of SAE: 77°F (25°C) and 29.31 in Hg (99 kPa) Barometer (Dry) subject to change without notice.

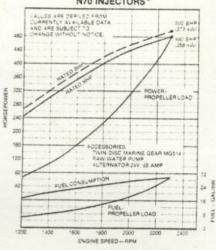
MODEL 12V-71
MARINE CONTINUOUS RATING
NS5 INJECTORS*



MODEL 12V-71
MARINE INTERMITTENT RATING



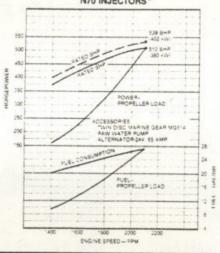
MODEL 12V-71
MARINE MAXIMUM RATING
N70 INJECTORS*



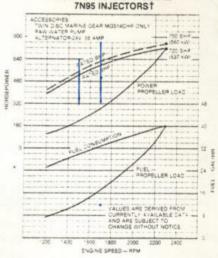
12V-71TI (Twin Disc MG514 and Twin Disc MG514CHP Marine Gear)

No continuous rating is currently available for the 12V-71TI

MODEL 12V-71TI
MARINE INTERMITTENT RATING
N70 INJECTORS*



MODEL 12V-71TI
MARINE MAXIMUM RATING



12V-71TI (ZF BW 195 Marine Gear)

No continuous rating is currently available for the 12V-71TI

Rating Explanation

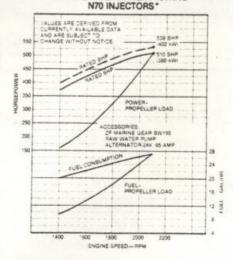
RATED BHP—Basic engine gross horsepower.

RATED SHP—Net power available at the marine gear output shaft.
PROPELLER LOAD—Indicates horse-power absorbed by a typical propeller and the corresponding fuel consumption throughout the speed range.

POWER OUTPUT guaranteed within 5% at standard ambient conditions.

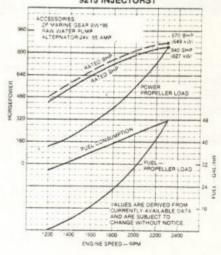
MARINE ENGINE RATING—The use of

MODEL 12V-71TI MARINE INTERMITTENT RATING



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.

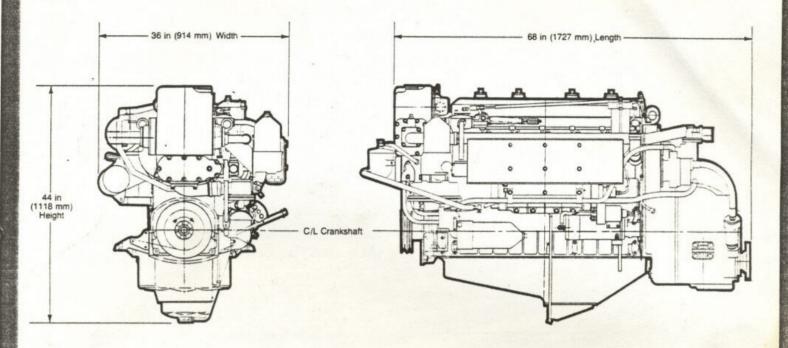
MODEL 12V-71TI MARINE MAXIMUM RATING 9215 INJECTORS†



*Rating conditions of 85°F (29.4°C) and 29.00 in Hg (98.19 kPa)
Barometer (Dry) +
†Rating conditions of SAE: 77°F (25°C) and 29.31 in Hg (99 kPa)
Barometer (Dry)

principal dimensions

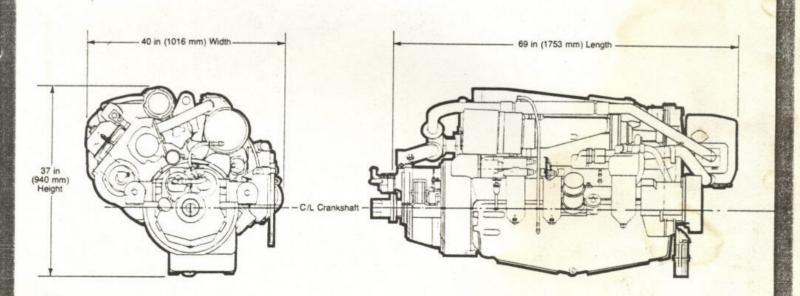
Model 1062-5000



Approximate dimensions shown.

For complete dimensional information, refer to installation drawing 2SA-219 for Models 1062-3000, 1062-3001, and drawing 2SA-218 for Models 1062-5000, 1062-5001.

Model 1062-6001 (low-profile)



Approximate dimensions shown.

For complete dimensional information, refer to installation drawing 2SA-222.

standard equipment

Air Box Drain Tubes

Air Inlet Housing

Air Silencer

Alternator—12 volt, 42 amp, Models 1062-3000, 1062-3001, 1062-5000, and 1062-5001 only

Crankshaft Pulley

Engine Mounts—Includes mounts for engine and marine gear

Exhaust Manifold—Water cooled

Flywheel Housing—SAE #2

Fuel Filters

Governor—Variable speed, Models 1062-3000, 1062-3001, 1062-5000, 1062-5001; limiting speed, Model 1062-6001

Heat Exchanger

Injectors-Cam-operated, unit type, clean tip

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

Lube Oil Cooler

Lube Oil Filter-Full flow

Marine Gear—Allison "M" type, hydraulic reverse and reduction gear, 2 to 1 ratio

Oil Pan—Cast iron pan for 21°-30° inclination angle, rear sump, Models 1062-3000, 1062-3001, 1062-5000, 1062-5001; stamped steel pan for 10° inclination angle, Model 1062-6001 only

Starting Motor-12 volt

Vibration Damper

Water Filter—Fresh water filter with 10 gallon (37.9 Liters) capacity

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

Specifications subject to change without notice.





Detroit Diesel Allison

Division of General Motors Corporation

1340 West Outer Drive Detroit, Michigan 48228

In Cana Diesei Division. General Motors of Canada Limited London Ontari

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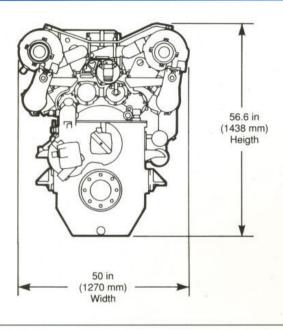
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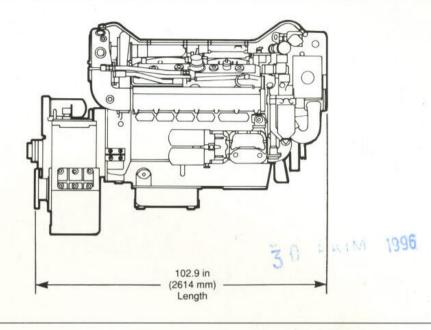
DETROIT DIESEL

12V-71TA DDEC 670 BHP

Marine Commercial Intermittent







General Specifications

Basic Engine Model-Port

7122-7K23 Starboard 7122-7K22

Description Number of Cylinders

Turbocharged-Aftercooled

12V-71TA

Bore and Stroke Displacement Compression Ratio

Weight (dry, without marine gear)

4.25 in x 5.00 in (108 mm x 127 mm) 852 cu in (13.97 liters)

17.0 to 1

5630 lbs (2554 kg)

Rated Power Output—Intermittent

Gross Power Net Power

670 BHP (499 kW) @ 2100 RPM 647 SHP (482 kW) @ 2100 RPM

Equipment Specifications

Air Inlet Housing-With manual shutdown

Aftercooler-Three-pass

Alternator—24 volt, 65 amp, flange mounted (32 volt optional)

Cooling System—Heat exchanger with cast iron expansion tank and raw water pump. Keel cooling available option

Crankcase vapor collectors with silencers

DDEC—Detroit Diesel Electronic Controls

Engine Mounts—Solid mounts for both engine and marine gear

Exhaust System—Fresh water-cooled manifolds and turbine

Factory Installed Marine Gear Options - DD 516, 3.07, 3.50, 4.04, DD 518, 4.48, 5.07

Flywheel Housing-SAE #1

Front PTO-Available option-65 HP or 160 HP

Fuel System—Cam operated electronic unit injectors with low pressure USCG type A external hoses and fuel filters

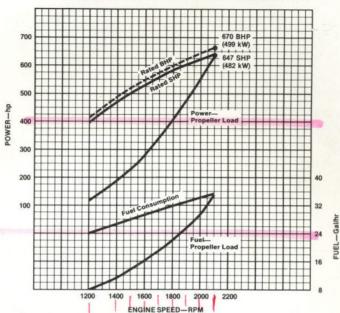
Lube Oil Filter-Full flow

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

Starting Motor-24 volt (32 volt optional)

Performance Curve

Model 12V-71TA—Intermittent



Rating Explanation

RATED BHP Basic engine gross horsepower. RATED SHP Net power available at the marine gear output flange. PROPELLER LOAD Indicates power absorbed by a typical fixed pitch propeller.

MARINE INTERMITTENT The intermittent rating applies to medium to high speed commercial boats that operate at moderate to low load factors. These are boats intended for commercial service where 3,000 hours or less (3,500 hours for Series 149 engine) are accumulated annually. Normal or continuous cruising RPM should be limited to 95% of rated RPM, with intermittent use of rated power permitted. Typical examples include crewboats, water taxis, pilot boats, ferryboats, lobster boats, party fishing boats, charter sportfisherman, and patrol boats.

Consult your authorized Detroit Diesel Corporation representative for the rating that will apply to your vessel.

DETROIT DIESEL



13400 Outer Drive, West / Detroit, Michigan 48239-4001

Telephone: 313-592-5000 FAX: 313-592-7288



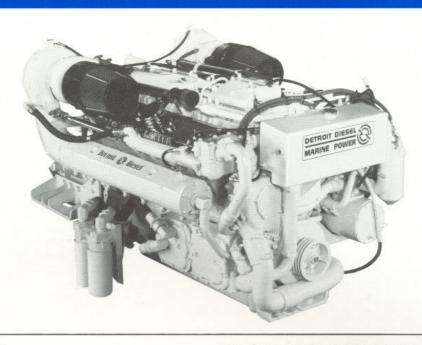


DETROIT DIESEL

12V-71**TA** 900 BHP

Marine Pleasure Craft





General Specifications

Basic Engine 12V-71TA Model—Starboard 7122-7603

rd 7122-7603 (RH only)

Description Turbocharged-Aftercooled

with Bypass Blower

Number of Cylinders 1

Bore and Stroke 4.25 in x 5.00 in (108 mm x 127 mm)

Displacement 852 cu in (13.97 liters)

Compression Ratio 17.0 to 1

Weight (dry) 4761 lbs (2240 kg) with gear

Rated Power Output—Maximum

Injectors 7030 M15

Gross Power 900 BHP (671 kW) @ 2300 RPM Net Power 870 SHP (649 kW) @ 2300 RPM

Rated Power Output—Intermittent-Maximum

Injectors 7015 M 95

Gross Power 800 BHP (597 kW) @ 2300 RPM Net Power 775 BHP (578 kW) @ 2300 RPM

Equipment Specifications

Air Inlet Housing-With manual shutdown

Air Silencer—Two

Aftercooler—Two-pass with precooled coolant supply

Alternator-24 volt, 65 amp, flange mounted

Cooling System—Side mounted heat exchanger with low profile expansion tank

Engine Mounts—Resilient mounts for both engine and marine gear

Exhaust System—Fresh water-cooled manifolds and turbine housing

Flywheel Housing—SAE #1

Fuel System—Cam operated unit injectors with low pressure USCG type A external hoses, fuel filters and cooler

Governor-Variable speed

Lube Oil Filter-Full flow, two spin-on elements

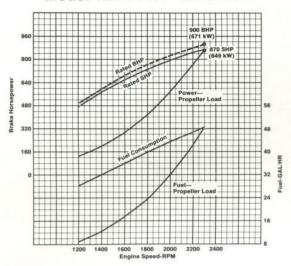
Marine Gear—Detroit Diesel-232V (1.50, 1.76, 1.96, 2.48 reduction ratios) and 232A (1.52, 1.77, 1.97 reduction ratios)

Oil Pan—Designed for 0°-12° installation angle, no sump

Starting Motor—24 volt

Performance Curves

Model 12V-71TA—Maximum



Rating Explanation

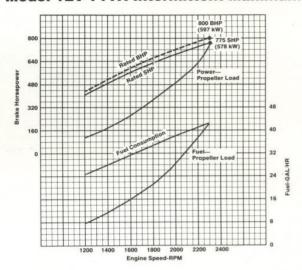
RATED BHP Basic engine gross horsepower.

RATED SHP Net power available at the marine gear output flange. PROPELLER LOAD indicates horsepower absorbed by a typical fixed pitch propeller.

POWER OUTPUT guaranteed within 5% at rated ambient conditions.

MARINE MAXIMUM The marine maximum rating applies to high performance boats where speed is of primary importance and overall load factors are low. Normal or continuous cruising RPM should be limited to 90% of rated engine RPM, and the use of full rated power should be limited to 10% (average) of

Model 12V-71TA Intermittent-Maximum



operating time. This rating is normally reserved for privately-owned yachts in non-revenue applications with an average annual hour accumulation of 500 hrs.

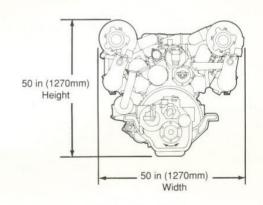
NOTE: Other boats; e.g., fire, police, with an overall duty cycle similar to maximum or intermittent-maximum may be applied at the appropriate rating.

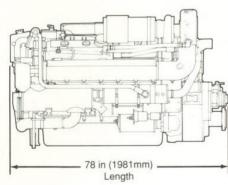
Consult your authorized Detroit Diesel Corporation representative for the rating that will apply to your vessel.

Dimensional Drawing

Model 7122-7603 12V-71TA

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





DETROIT DIESEL

CORPORATION

13400 Outer Drive, West / Detroit, Michigan 48239-4001

Telephone: 313-592-5000

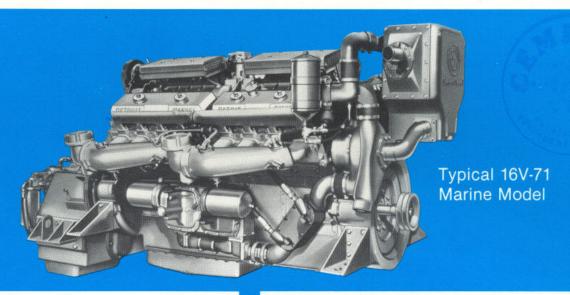
Telex: 4320091 / TWX: 810-221-1649

FAX: 313-592-7288



Detroit Diesel Engines marine models

16V-71 666 hp



specifications

Basic Engine	16V-71
Model-Port	7162-3000
Starboard	7162-7000
Description	Naturally Aspirated
Number of Cylinders	16
Bore and Stroke	4.25 in × 5 in
	(108 mm × 127 mm)
Displacement	1136 cu in
	(18.63 liters)
Compression Ratio	18.7 to 1
Dimensions:	
(approx.)	
Length	115 in (2921 mm)
Width	49 in (1245 mm)
Height	58 in (1473 mm)
Net Weight (dry)	7400 lbs (3357 kg)

Rated Net Power

approx.) Length Width	115 in (2921 mm) 49 in (1245 mm)
Height Net Weight (dry)	58 in (1473 mm) 7400 lbs (3357 kg)
Rated Power Output	
Continuous	
Injectors	N55
Rated Gross Power	478 BHP (357 kW) @ 1800 RPM*
Rated Net Power	455 SHP (339 kW) @ 1800 RPM*
Intermittent	
Injectors	C65
Rated Gross Power	608 BHP (454 kW) @ 2100 RPM*
Rated Net Power	583 SHP (435 kW) @ 2100 RPM*
Maximum	
Injectors	N70
Rated Gross Power	666 BHP (497 kW)

Values are derived from currently available data and are subject to change without notice.

640 SHP (477 kW) @ 2300 RPM*

standard equipment

Air Inlet Housing

Air Silencers

Alternator-24 volt, 50 amp

Crankshaft Pulley

Engine Mounts-Includes mounts for both

engine and marine gear

Exhaust Manifold—Water cooled

Flywheel Housing-SAE #0

Fuel Filters-Primary & secondary, spin-on

Governor-Variable speed

Heat Exchanger—Includes raw water pump

& piping

Injectors—Cam operated, unit type, clean tip

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

Lube Oil Cooler-48 plates

Lube Oil Filter-Dual full-flow, spin-on

Marine Gear-Twin Disc, MG 518-1, 2.194 to 1 ratio

Oil Pan-Stamped steel for 15° inclination angle, rear sump

Starting Motor—24 volt

Vibration Damper-Viscous torsiona.

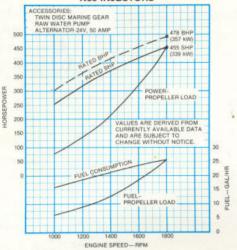
Water Filter-Fresh water filter with 65-gailon (246.0 liters) capacity

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

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

16V-71

MODEL 16V-71 MARINE CONTINUOUS RATING N55 INJECTORS*

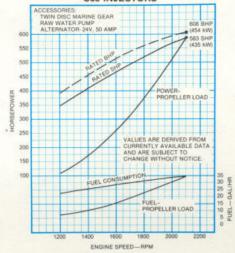


RATED BHP—Basic engine gross horsepower.

Rating Explanation

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

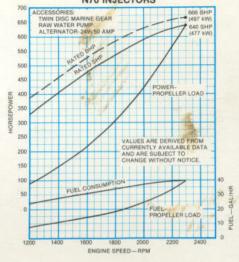
MODEL 16V-71 MARINE INTERMITTENT RATING C65 INJECTORS*



consumption throughout the speed range.

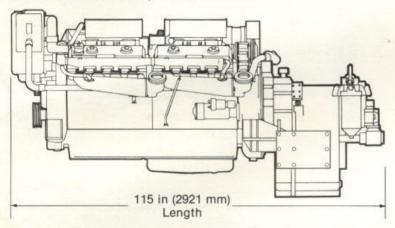
POWER OUTPUT guaranteed within 5% at standard ambient conditions. MARINE ENGINE RATING—The use of the ratings e.g., maximum, intermittent and continuous; varies with

MODEL 16V-71 MARINE MAXIMUM RATING N70 INJECTORS*

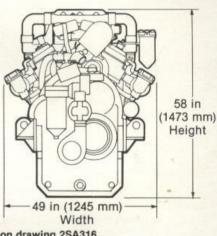


type of vessel in which the engine is installed. See your Detroit Diesel Allison representative for the rating that will apply to your vessel.
*Rating conditions of 85°F (29.4°C) and 29.00 in Hg (98.19 kPa)
Barometer (Dry)

Model 7162-3000, 7162-7000



16V-71



Approximate dimensions shown. For complete information, refer to installation drawing 2SA316.

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