

DETROIT DIESEL

Marine Model

8.2T 210 BHP



General Specifications

Displacement	15.9*
Stroke—Cyl	490/500
Stroke—Block	500/500
Number of Cylinders	6
Bore and Stroke	4 3/4" x 4 7/8" (119.4 mm x 123.8 mm)
Rated Horsepower	210/2000 RPM
Compression Ratio	15.5:1
Weight (dry)	1800 lbs (816 kg)

Rated Power Output

Operating	40° F/10° C
Crash Power	225 2000/2300 2400
Net Power	200 2000/2300 2400

Equipment Specifications

Oil Service

Minimum—15W-40, 40W

Engine Lubrication—Low profile lube and oil filter exchange
12.4 liter (3.3 gal) oil and oil filter change

Overhead Valve—4 valves/cylinder for economy and

Engine Design—Diesel, naturally aspirated, coolant circulation
100% liquid and electric fan for efficient cooling

Engine Features—Three speed pump, mechanical advance
Timing, oil and coolant, exhaust control

Hydraulic mounting—Not an

Full Protection—Full protection and service with low viscosity 15W-40
Full Protection with low viscosity and viscosity 15W-40

Governor—Over 1000 rpm, 1000 rpm

Governor—Over 1000 rpm, 1000 rpm

Governor—Over 1000 rpm, 1000 rpm

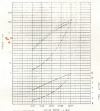
Oil—Full protection, 1000 rpm, 1000 rpm, 1000 rpm, 1000 rpm

Oil—Full protection, 1000 rpm, 1000 rpm

Governor—Over 1000 rpm

Performance Curves

Model 6-57



Dimensional Drawing

Model 6-57

Approximate dimensions shown
for general reference purposes.
See technical drawing (15-447)



DETROIT DIESEL

Corporation



13-400 OverDrive, West Coast, storage, auxiliary

Telephone: (313) 593-1000

Telex: 440000-1700, 440 00-1000

DETROIT DIESEL

Marine Model Pleasure Craft

LIST 300 HEP



Figure 1

Residence:	1007
Address:	4000-2000
City:	10000-0000
State of Residence:	00
Phone and Area:	1000 1000 0000 0000 0000
Employment:	10000-00000000
Employment Type:	1000 000 0
Employment:	1000 000 000000

1. *Journal of the American Medical Association*, 2000; 284: 2689-2695.

Category	Value
1.0000	1.0000
1.0000	1.0000
1.0000	1.0000

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[illegible]

Figure 1

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Figure 1

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Abstract

1. **Identify the main topic of the passage.**
 2. **Identify the main purpose of the passage.**
 3. **Identify the main argument of the passage.**
 4. **Identify the main conclusion of the passage.**
 5. **Identify the main evidence of the passage.**
 6. **Identify the main counterargument of the passage.**
 7. **Identify the main supporting detail of the passage.**
 8. **Identify the main supporting detail of the passage.**
 9. **Identify the main supporting detail of the passage.**
 10. **Identify the main supporting detail of the passage.**

Abstract

© 2000 Blackwell Science Ltd, *Journal of Internal Medicine* 247: 399–405

[illegible]

Abstract

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Abstract

[illegible]

Abstract

Pharmacokinetic Data

Performance Curves

Model 6-2T—Maximum



Model 6-2T—Intermediate Maximum



Rating Explanation

Model 6-2T has engine performance:

Rated 600 horsepower, available at the maximum engine speed, 1800 RPM. (1,000 horsepower obtained by supercharging engine.)

Model 6-2T's supercharger is a variable-speed unit, which enables it to raise engine speed to 2000 RPM. At 2000 RPM, the engine will develop 1000 horsepower. At 1800 RPM, the engine will develop 600 horsepower. At 1500 RPM, the engine will develop 400 horsepower. At 1200 RPM, the engine will develop 200 horsepower. At 1000 RPM, the engine will develop 100 horsepower. At 800 RPM, the engine will develop 50 horsepower. At 600 RPM, the engine will develop 25 horsepower. At 400 RPM, the engine will develop 12.5 horsepower. At 200 RPM, the engine will develop 6.25 horsepower. At 100 RPM, the engine will develop 3.125 horsepower. At 50 RPM, the engine will develop 1.5625 horsepower. At 25 RPM, the engine will develop 0.78125 horsepower. At 12.5 RPM, the engine will develop 0.390625 horsepower. At 6.25 RPM, the engine will develop 0.1953125 horsepower. At 3.125 RPM, the engine will develop 0.09765625 horsepower. At 1.5625 RPM, the engine will develop 0.048828125 horsepower. At 0.78125 RPM, the engine will develop 0.0244140625 horsepower. At 0.390625 RPM, the engine will develop 0.01220703125 horsepower. At 0.1953125 RPM, the engine will develop 0.006103515625 horsepower. At 0.09765625 RPM, the engine will develop 0.0030517578125 horsepower. At 0.048828125 RPM, the engine will develop 0.00152587890625 horsepower. At 0.0244140625 RPM, the engine will develop 0.000762939453125 horsepower. At 0.01220703125 RPM, the engine will develop 0.0003814697265625 horsepower. At 0.006103515625 RPM, the engine will develop 0.00019073486328125 horsepower. At 0.0030517578125 RPM, the engine will develop 0.000095367431640625 horsepower. At 0.00152587890625 RPM, the engine will develop 0.0000476837158203125 horsepower. At 0.000762939453125 RPM, the engine will develop 0.00002384185791015625 horsepower. At 0.0003814697265625 RPM, the engine will develop 0.000011920928955078125 horsepower. 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At 0.00000000000000000004235164736271120226322855162405858334503168828125 RPM, the engine will develop 0.00000000000000000000132348898008472507072617758835183072950158689140625 horsepower. At 0.000000000000000000021175823681355601131614275812029291672525844140625 RPM, the engine will develop 0.000000000000000000000661744490042362503536088794175915364750793445703125 horsepower. At 0.0000000000000000000105879118406778005658071379060146458362627220703125 RPM, the engine will develop 0.0000000000000000000003308722450211812517680443970879576823753967228515625 horsepower. At 0.00000000000000000000529395592033890028290356895300732291813136103515625 RPM, the engine will develop 0.000000000000000000000165436122510590625884022198543978841187698361428125 horsepower. At 0.0000000000000000000026469779601694501414523551767036614590031737828125 RPM, the engine will develop 0.000000000000000000000132348898008472507072617758835183072950158689140625 horsepower. 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At 0.0000000000000000000000103397576569119141177513874089986775742311475892578125 RPM, the engine will develop 0.00000000000000000000000516987882845595705887569370449933878711557379462890625 horsepower. At 0.00000000000000000000000516987882845595705887569370449933878711557379462890625 RPM, the engine will develop 0.000000000000000000000002584939414227978529437846852249669393557886897314453125 horsepower. At 0.000000000000000000000002584939414227978529437846852249669393557886897314453125 RPM, the engine will develop 0.0000000000000000000000012924697071139892647189234261248346967789434486572265625 horsepower. At 0.0000000000000000000000012924697071139892647189234261248346967789434486572265625 RPM, the engine will develop 0.00000000000000000000000064623485355699463235946171306241734838947172432861328125 horsepower. 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At 0.00000000000000000000000004038967834731216452246635706640260864934198308965205078125 RPM, the engine will develop 0.000000000000000000000000020194839173656082261233178533201304324670991542826025390625 horsepower. At 0.000000000000000000000000020194839173656082261233178533201304324670991542826025390625 RPM, the engine will develop 0.0000000000000000000000000100974195868280411306165892666006521623354957714130126953125 horsepower. At 0.0000000000000000000000000100974195868280411306165892666006521623354957714130126953125 RPM, the engine will develop 0.00000000000000000000000000504870979341402056530829463330032608116774788570650634765625 horsepower. At 0.00000000000000000000000000504870979341402056530829463330032608116774788570650634765625 RPM, the engine will develop 0.000000000000000000000000002524354896707010282654147316650163040583873942853253173828125 horsepower. At 0.000000000000000000000000002524354896707010282654147316650163040583873942853253173828125 RPM, the engine will develop 0.0000000000000000000000000012621774483535051411270736583250815202919369714266265869140625 horsepower. At 0.0000000000000000000000000012621774483535051411270736583250815202919369714266265869140625 RPM, the engine will develop 0.000000000000000000000000000631088724176752570563536829162540760145968485713313293455703125 horsepower. At 0.000000000000000000000000000631088724176752570563536829162540760145968485713313293455703125 RPM, the engine will develop 0.0000000000000000000000000003155443620883762852817684145812703800729842428566566467278515625 horsepower. At 0.0000000000000000000000000003155443620883762852817684145812703800729842428566566467278515625 RPM, the engine will develop 0.00000000000000000000000000015777218104418814264088420729063519003649212142832832336392578125 horsepower. At 0.00000000000000000000000000015777218104418814264088420729063519003649212142832832336392578125 RPM, the engine will develop 0.00000000000000000000000000007888609052209407132044210364531759501824606071416416168196140625 horsepower. At 0.00000000000000000000000000007888609052209407132044210364531759501824606071416416168196140625 RPM, the engine will develop 0.000000000000000000000000000039443045261047035660221051822658797509123030357082080840980703125 horsepower. At 0.000000000000000000000000000039443045261047035660221051822658797509123030357082080840980703125 RPM, the engine will develop 0.0000000000000000000000000000197215226305235178301105259113293987545615151785410404204903515625 horsepower. At 0.0000000000000000000000000000197215226305235178301105259113293987545615151785410404204903515625 RPM, the engine will develop 0.00000000000000000000000000000986076131526175891505526295566469937728075758927052021024517578125 horsepower. At 0.00000000000000000000000000000986076131526175891505526295566469937728075758927052021024517578125 RPM, the engine will develop 0.000000000000000000000000000004930380657630879457527631477



Typical 8.2T
Marine Model

specifications

Basic Engine	8.2T
Model/Part Number	4890-000 4892-000
Configuration	Turbocharged
Number of Cylinders	6
Bore and Stroke	4.75 in. x 5.41 in. (120 mm x 137 mm)
Displacement	595 cu in. (9.7 liter)
Compression Ratio	16.5:1
Dimensions	
Height (inches)	34 in. (863 mm)
Length (inches)	32 in. (813 mm)
Width (inches)	24 in. (610 mm)
Net Weight (lbs)	1450 lbs. (658 kg)

Rated Power Output

Intermittent	4750
15 min. Power	4600
Rated Gross Power	3580 (2500 kW) at 1800 rpm
Rated Net Power	3475 (2500 kW) at 1800 rpm
Intermittent	4500
15 min. Power	4350
Rated Gross Power	3200 (2300 kW) at 1800 rpm
Rated Net Power	3100 (2200 kW) at 1800 rpm
Maximum	4750
15 min. Power	4600
Rated Gross Power	3580 (2500 kW) at 1800 rpm
Rated Net Power	3475 (2500 kW) at 1800 rpm

Specifications at 1800 rpm, 15 min. test cycle. 1800 rpm is the maximum rated speed. Actual operating speed is always about 10% in excess.

standard equipment

Oil System

Automatic—Check valve

Constant-Pressure—6 gpm/hr

Engine Brearer—Reservoir, variable adjustment
Controls pressure for both engine and water pump

Exhaust Muffler—Fresh water cooled

Hydraulic Hoisting—14.5 ft

Raw Water—Aluminum, includes both secondary and primary filter

Raw Water System—1000 gpm/hr, 1000 ft

Raw Water System—1000 gpm/hr, 1000 ft

Raw Water System—1000 gpm/hr, 1000 ft

Raw Water System—1000 gpm/hr, 1000 ft

Raw Water System—1000 gpm/hr, 1000 ft

Raw Water System—1000 gpm/hr, 1000 ft

Raw Water System—1000 gpm/hr, 1000 ft

Raw Water System—1000 gpm/hr, 1000 ft

Raw Water System—1000 gpm/hr, 1000 ft

Raw Water System—1000 gpm/hr, 1000 ft

Raw Water System—1000 gpm/hr, 1000 ft

Raw Water System—1000 gpm/hr, 1000 ft

Raw Water System—1000 gpm/hr, 1000 ft

Raw Water System—1000 gpm/hr, 1000 ft

Raw Water System—1000 gpm/hr, 1000 ft



Engine Performance

Engine torque and power curves are shown for 1000, 1500, 2000 and 2500 ft altitudes. The engine is rated for 2000 ft altitude. The engine is rated for 2000 ft altitude. The engine is rated for 2000 ft altitude.



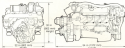
The engine is rated for 2000 ft altitude. The engine is rated for 2000 ft altitude. The engine is rated for 2000 ft altitude. The engine is rated for 2000 ft altitude.



The engine is rated for 2000 ft altitude. The engine is rated for 2000 ft altitude. The engine is rated for 2000 ft altitude. The engine is rated for 2000 ft altitude.

Model 4082-8300

6.2T



Standard dimensions shown. For complete dimensional information, refer to the engine drawing (4082).

Engine
Model 4082-8300
10.000 in. (254 mm)
10.000 in. (254 mm)
10.000 in. (254 mm)
10.000 in. (254 mm)



General Model 4082

Model 4082-8300
10.000 in. (254 mm)
10.000 in. (254 mm)
10.000 in. (254 mm)

Engine
Model 4082-8300
10.000 in. (254 mm)
10.000 in. (254 mm)
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Engine
Model 4082-8300
10.000 in. (254 mm)
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Engine
Model 4082-8300
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Engine
Model 4082-8300
10.000 in. (254 mm)
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Engine
Model 4082-8300
10.000 in. (254 mm)
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Engine
Model 4082-8300
10.000 in. (254 mm)
10.000 in. (254 mm)
10.000 in. (254 mm)
10.000 in. (254 mm)

Performance Curves

Model 6.271—Maximum



Rating Explanation

Maximum rated engine performance is based on test results obtained at the maximum rated torque. Actual engine performance may vary due to engine condition, altitude, temperature, humidity, etc. Actual engine performance may vary due to engine condition, altitude, temperature, humidity, etc. Actual engine performance may vary due to engine condition, altitude, temperature, humidity, etc.

Actual engine performance may vary due to engine condition, altitude, temperature, humidity, etc. Actual engine performance may vary due to engine condition, altitude, temperature, humidity, etc. Actual engine performance may vary due to engine condition, altitude, temperature, humidity, etc.

Dimensional Drawing

Model 6.271
6.271

Approximate dimensions (mm)



DETROIT DIESEL

CORPORATION



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