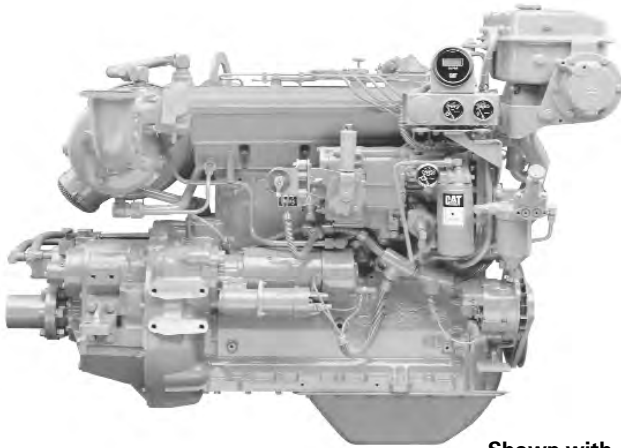




Marine Auxiliary Engine 3304B

56 bkW (75 bhp) 100 mhp @ 1200 rpm



Shown with Accessory Equipment

SPECIFICATIONS

I-4, 4-Stroke-Cycle-Diesel

- Emissions IMO compliant
- Displacement 7.0 L (425 cu. in.)
- Bore 121 mm (4.75 in.)
- Stroke 152 mm (6.0 in.)
- Aspiration Naturally Aspirated
- Governor Hydra-mechanical or PSG
- Engine Weight, Net Dry (approx)
 - Heat Exchanger Cooled 798 kg (1760 lb)
- Capacity for Liquids
 - Cooling System (engine only) 13 L (3.5 U.S. gal)
 - Lube Oil System 22.5 L (5.9 U.S. gal)
- Oil Change Interval 250 hr
 - Caterpillar DEO 10W30 or 15W40
- Rotation (from flywheel end) Counterclockwise

STANDARD EQUIPMENT

- Air Inlet System**
 - Regular duty single-stage air cleaner, rain cap
- Charging System**
 - 24V 35 Amp alternator
- Cooling System**
 - Gear driven, self-priming, centrifugal auxiliary water pump with rubber impeller (heat exchanger engines); gear driven, centrifugal, jacket water pump; expansion tank; oil cooler; engine mounted heat exchanger with removable tube bundle and replaceable copper-nickel tubes (heat exchanger engines); expansion tank; thermostat and housing
- Exhaust System**
 - Watercooled manifold and turbocharger; dry flange, 76 mm (3 in.)
- Flywheel and Flywheel Housing**
 - SAE No. 1 (156 teeth)
- Fuel System**
 - Fuel priming pump, fuel transfer pump, fuel filter, primary fuel filter, flexible fuel lines
- Instruments**
 - RH instrument panel with oil pressure, water temperature, and fuel pressure gauges; service meter
- Lube System**
 - Top-mounted crankcase breather, oil filter, LH oil level gauge
- Mounting System**
 - Supports
- Starting System**
 - 24V Electric starting motor
- General**
 - Caterpillar yellow paint, lifting eyes

ACCESSORY EQUIPMENT

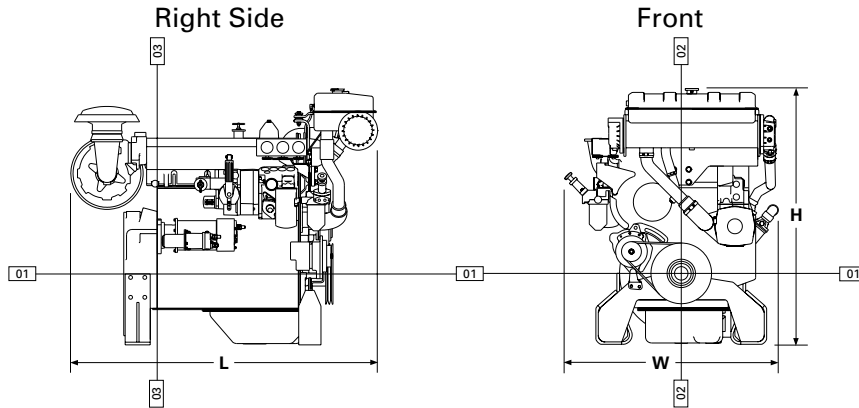
- Air Starting Motor
- Alarm Contactor — Oil Pressure, Water Temperature
- 12V 51 Amp, 24V 35 Amp or 60 Amp Alternator
- Auxiliary Drive Pulley
- Digital Tachometer
- Double Wall Fuel Lines and Drain
- 12V Electric Gauges — Oil Pressure, Water Temperature
- 24V or 32V Electric Gauges — Oil Pressure, Water Temperature
- Electric Shutoffs — Oil Pressure, Water Temperature, Overspeed
- 12V Electric Starting Motor
- Ether Starting Aid
- Exhaust Elbow, Pipe, Flexible Fittings
- Generator Installation Arrangement
- Hydraulic Pump Drive and Adapter
- Magnetic Pickup
- Manual Shutoff Lever
- Manual Voltage Control
- Mechanical Tachometer Drive
- Mechanical Overspeed Contactor
- Paralleling Kit
- Rear Enclosed Clutch and Support
- RFI Filter
- RH Oil Level Gauge
- Solenoid Shutoff — 12V or 24V, ETR or ETS
- Spare Parts Kit

PERFORMANCE DATA

Naturally Aspirated

TM1555-00

56 bkW (.8 pf) 75 bhp			
% load	bkW	Lph	gph
100	58	18.8	5.0
75	44	12.4	3.3
50	31	8.9	2.4
25	17	5.6	1.5



DIMENSIONS*

	mm	in.		mm	in.
Overall Length	1373.4	54.1			
Length from front to rear face of block	986.6	38.8			
Length from rear face of block to end of engine	386.8	15.2			
Overall Height	1145.2	45.1			
Height from crankshaft centerline to top of engine	827.7	32.6			
Height from crankshaft centerline to bottom of oil pan	317.5	12.5			
Overall Width	957.5	37.7			
Width from crankshaft centerline to port side (left side)	434.8	17.1			
Width from crankshaft centerline to starboard side (right side)	522.7	20.6			
			Front	Rear	
Customer mounting hole diameter	17.5	0.7	mm	mm	in.
Width from crankshaft centerline to side	285.1	11.3		17.0	0.7
Length from rear face of block to mounting hole	653.4	25.7		285.8	11.3
	711.4	28.0		76.2	3.0
				125.7	5.0

*Illustrations and dimensions from drawing: 118-7825.

RATING CONDITIONS

Engine Performance Parameters

Power.....	±3%
Specific Fuel Consumption	±3%
Fuel Rate	±5%

Fuel rates are based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 29°C (85°F) and weighing 838.9 g/L (7.001 lb/U.S. gal).

Ratings are based on SAE J1228/ISO8665 standard conditions of 100 kPa (29.61 in. Hg), 25°C (77°F), and 30% relative humidity. These ratings also apply at ISO3046/1, DIN6271/3, and BS5514 conditions of 100 kPa (29.61 in. Hg), 27°C (81°F), and 60% relative humidity.

Additional ratings may be available for specific customer requirements. Consult your Caterpillar representative for additional information.

Performance data is calculated in accordance with tolerances and conditions stated in this specification sheet and is only intended for purposes of comparison with other manufacturers' engines. Actual engine performance may vary according to the particular application of the engine and operating conditions beyond Caterpillar's control.

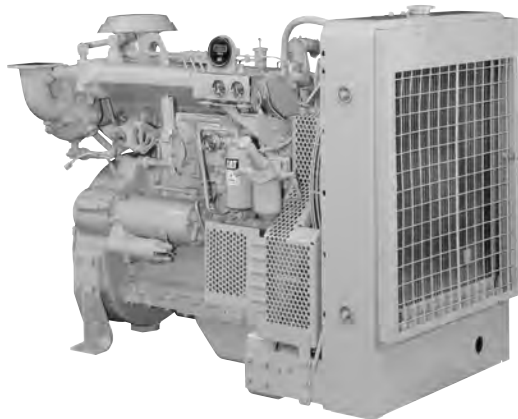


Marine Auxiliary Engine

3304B

Radiator Cooled

57 bkW (76 bhp) 77 mhp @ 1500 rpm



Shown with
Accessory Equipment

STANDARD EQUIPMENT

Air Inlet System

Regular duty single stage air cleaner, rain cap

Charging System

24V 35 Amp alternator

Cooling System

Gear driven, centrifugal, jacket water pump; oil cooler; engine mounted radiator, fan guard, blower fan, fan drive; thermostat and housing

Exhaust System

Watercooled manifold and turbocharger; dry flange, 76 mm (3 in.)

Flywheel & Flywheel Housing

SAE No. 1 (156 teeth)

Fuel System

Fuel priming pump, fuel transfer pump, fuel filter, primary fuel filter, flexible fuel lines

Instruments

RH instrument panel with oil pressure, water temperature, and fuel pressure gauges; service meter

Lube System

Top-mounted crankcase breather, oil filter, LH oil level gauge

Mounting System

Supports

Starting System

24V Electric starting motor

General

Caterpillar yellow paint, lifting eyes

SPECIFICATIONS

I-4, 4-Stroke-Cycle-Diesel

Emissions IMO compliant
 Displacement 7.0 L (425 cu. in.)
 Bore 121 mm (4.75 in.)
 Stroke 152 mm (6.0 in.)
 Aspiration Naturally Aspirated
 Governor Hydra-mechanical or PSG
 Engine Weight, Net Dry (approx) 835 kg (1840 lb)
 Capacity for Liquids
 Cooling System
 (engine and radiator) 32 L (8.5 U.S. gal)
 Lube Oil System 22 L (5.75 U.S. gal)
 Oil Change Interval 500 hr
 Caterpillar DEO 10W30 or 15W40
 Rotation (from flywheel end) Counterclockwise

ACCESSORY EQUIPMENT

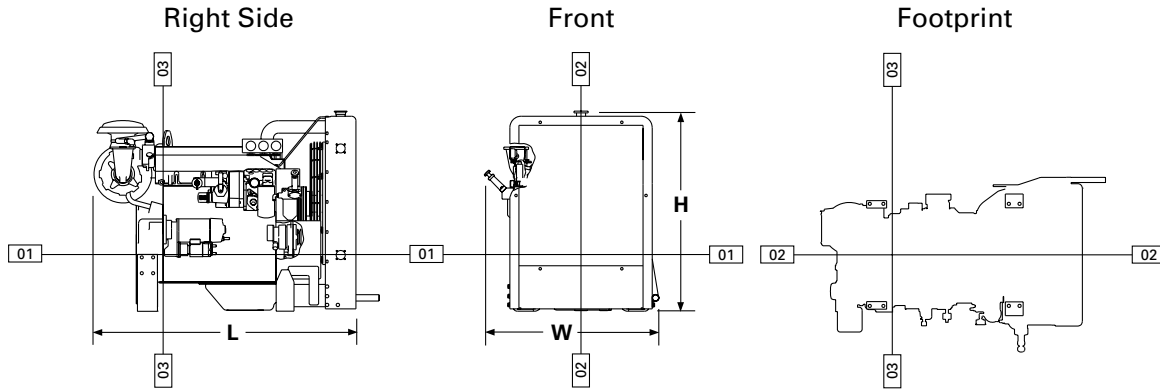
Air Starting Motor
 Alarm Contactor — Oil Pressure, Water Temperature
 12V 60 Amp Alternator
 Auxiliary Drive Pulley
 Digital Tachometer
 Double Wall Fuel Lines and Drain
 12V Electric Gauges — Oil Pressure, Water Temperature
 24V or 32V Electric Gauges — Oil Pressure, Water Temperature
 Electric Shutoffs — Oil Pressure, Water Temperature, Overspeed
 12V Electric Starting Motor
 Ether Starting Aid
 Exhaust Elbow, Pipe, Flexible Fittings
 Generator Installation Arrangement
 High Capacity Radiator and Fan Drive
 Hydraulic Pump Drive
 Magnetic Pickup
 Manual Shutoff Lever
 Manual Voltage Control
 Mechanical Tachometer Drive
 Paralleling Kit
 Rear Enclosed Clutch and Support
 RFI Filter
 RH Oil Level Gauge
 Solenoid Shutoff — 12V or 24V, ETR or ETS
 Spare Parts Kit

PERFORMANCE DATA

Naturally Aspirated

DM4053-00

57 bkW (.8 pf) 76 bhp			
% load	bkW	Lph	gph
100	60	17.4	4.6
76	45	12.9	3.4
52	31	9.4	2.5
23	15	5.8	1.5



DIMENSIONS*

	mm	in.		
Overall Length	1467.6	57.8		
Length from front to rear face of block	1080.8	42.6		
Overall Height	1120.9	44.1		
Height from crankshaft centerline to top of engine	803.5	31.6		
Height from crankshaft centerline to bottom of oil pan	317.4	12.5		
Overall Width	979.4	38.6		
Width from crankshaft centerline to port side (left side)	436.8	17.2		
Width from crankshaft centerline to starboard side (right side)	542.8	21.4		
			Front	Rear
			mm	in.
Customer mounting hole diameter	17.5	0.7		
Width from crankshaft centerline to side	285.7	11.3	285.7	11.3
Length from rear face of block to mounting holes	653.4	25.7	125.8	2.0
	713.4	28.1	125.8	5.0

*Illustrations and dimensions from drawing: 138-9318.

RATING CONDITIONS

Engine Performance Parameters

Power.....	±3%
Specific Fuel Consumption	±3%
Fuel Rate	±5%

Ratings are based on SAE J1228/ISO8665 standard conditions of 100 kPa (29.61 in. Hg), 25°C (77°F), and 30% relative humidity. These ratings also apply at ISO3046/1, DIN6271/3, and BS5514 conditions of 100 kPa (29.61 in. Hg), 27°C (81°F), and 60% relative humidity.

Fuel rates are based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 29°C (85°F) and weighing 838.9 g/L (7.001 lb/U.S. gal).

Additional ratings may be available for specific customer requirements. Consult your Caterpillar representative for additional information.

Performance data is calculated in accordance with tolerances and conditions stated in this specification sheet and is only intended for purposes of comparison with other manufacturers' engines. Actual engine performance may vary according to the particular application of the engine and operating conditions beyond Caterpillar's control.

TMI Reference No.: DM4053-00 (6-19-01)

Materials and specifications are subject to change without notice.

The International System of Units (SI) is used in this publication.

LEHM1589-00 (6-01)

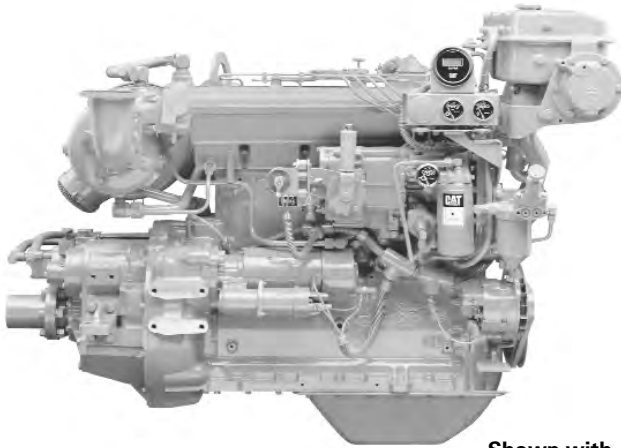
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Marine Auxiliary Engine 3304B

63 bkW (84 bhp) 85 mhp @ 1500 rpm



Shown with Accessory Equipment

STANDARD EQUIPMENT

Air Inlet System

Regular duty single-stage air cleaner, rain cap

Charging System

24V 35 Amp alternator

Cooling System

Gear driven, self-priming, centrifugal auxiliary water pump with rubber impeller (heat exchanger engines); gear driven, centrifugal, jacket water pump; expansion tank; oil cooler; engine mounted heat exchanger with removable tube bundle and replaceable copper-nickel tubes (heat exchanger engines); expansion tank; thermostat and housing

Exhaust System

Watercooled manifold and turbocharger; dry flange, 76 mm (3 in.)

Flywheel and Flywheel Housing

SAE No. 1 (156 teeth)

Fuel System

Fuel priming pump, fuel transfer pump, fuel filter, primary fuel filter, flexible fuel lines

Instruments

RH instrument panel with oil pressure, water temperature, and fuel pressure gauges; service meter

Lube System

Top-mounted crankcase breather, oil filter, LH oil level gauge

Mounting System

Supports

Starting System

24V Electric starting motor

General

Caterpillar yellow paint, lifting eyes

SPECIFICATIONS

I-4, 4-Stroke-Cycle-Diesel

Emissions IMO compliant
 Displacement 7.0 L (425 cu. in.)
 Bore 121 mm (4.75 in.)
 Stroke 152 mm (6.0 in.)
 Aspiration Naturally Aspirated
 Governor Hydra-mechanical or PSG
 Engine Weight, Net Dry (approx)
 Heat Exchanger Cooled 798 kg (1760 lb)
 Keel Cooled 764 kg (1685 lb)
 Capacity for Liquids
 Cooling System (engine only) 13 L (3.5 U.S. gal)
 Lube Oil System 22.5 L (5.9 U.S. gal)
 Oil Change Interval 250 hr
 Caterpillar DEO 10W30 or 15W40
 Rotation (from flywheel end) Counterclockwise

ACCESSORY EQUIPMENT

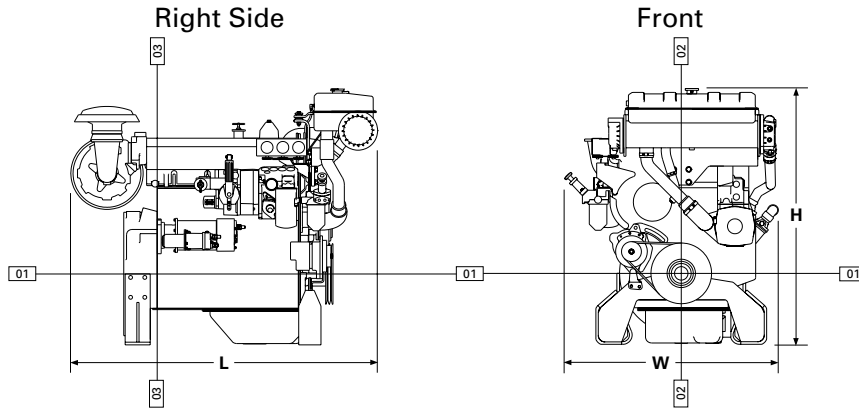
Air Starting Motor
 Alarm Contactor — Oil Pressure, Water Temperature
 12V 51 Amp, 24V 35 Amp or 60 Amp Alternator
 Auxiliary Drive Pulley
 Digital Tachometer
 Double Wall Fuel Lines and Drain
 12V Electric Gauges — Oil Pressure, Water Temperature
 24V or 32V Electric Gauges — Oil Pressure,
 Water Temperature
 Electric Shutoffs — Oil Pressure, Water Temperature,
 Overspeed
 12V Electric Starting Motor
 Ether Starting Aid
 Exhaust Elbow, Pipe, Flexible Fittings
 Generator Installation Arrangement
 Hydraulic Pump Drive and Adapter
 Magnetic Pickup
 Manual Shutoff Lever
 Manual Voltage Control
 Mechanical Tachometer Drive
 Mechanical Overspeed Contactor
 Paralleling Kit
 Rear Enclosed Clutch and Support
 RFI Filter
 RH Oil Level Gauge
 Solenoid Shutoff — 12V or 24V, ETR or ETS
 Spare Parts Kit

PERFORMANCE DATA

Naturally Aspirated

TM1975-00

63 bkW (.8 pf) 84 bhp			
% load	bkW	Lph	gph
100	57	16.1	4.3
70	40	11.4	3.0
50	29	8.8	2.3
20	12	5.2	1.4



DIMENSIONS*

	mm	in.		mm	in.
Overall Length	1373.4	54.1			
Length from front to rear face of block	986.6	38.8			
Length from rear face of block to end of engine	386.8	15.2			
Overall Height	1145.2	45.1			
Height from crankshaft centerline to top of engine	827.7	32.6			
Height from crankshaft centerline to bottom of oil pan	317.5	12.5			
Overall Width	957.5	37.7			
Width from crankshaft centerline to port side (left side)	434.8	17.1			
Width from crankshaft centerline to starboard side (right side)	522.7	20.6			
			Front	Rear	
Customer mounting hole diameter	17.5	0.7	17.5	17.0	0.7
Width from crankshaft centerline to side	285.1	11.3	285.1	285.8	11.3
Length from rear face of block to mounting hole	653.4	25.7	653.4	76.2	3.0
	711.4	28.0		125.7	5.0

*Illustrations and dimensions from drawing: 118-7825.

RATING CONDITIONS

Engine Performance Parameters

Power.....	±3%
Specific Fuel Consumption	±3%
Fuel Rate	±5%

Fuel rates are based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 29°C (85°F) and weighing 838.9 g/L (7.001 lb/U.S. gal).

Ratings are based on SAE J1228/ISO8665 standard conditions of 100 kPa (29.61 in. Hg), 25°C (77°F), and 30% relative humidity. These ratings also apply at ISO3046/1, DIN6271/3, and BS5514 conditions of 100 kPa (29.61 in. Hg), 27°C (81°F), and 60% relative humidity.

Additional ratings may be available for specific customer requirements. Consult your Caterpillar representative for additional information.

Performance data is calculated in accordance with tolerances and conditions stated in this specification sheet and is only intended for purposes of comparison with other manufacturers' engines. Actual engine performance may vary according to the particular application of the engine and operating conditions beyond Caterpillar's control.

TMI Reference No.: TM1975-00 (6-15-01)

Materials and specifications are subject to change without notice.

The International System of Units (SI) is used in this publication.

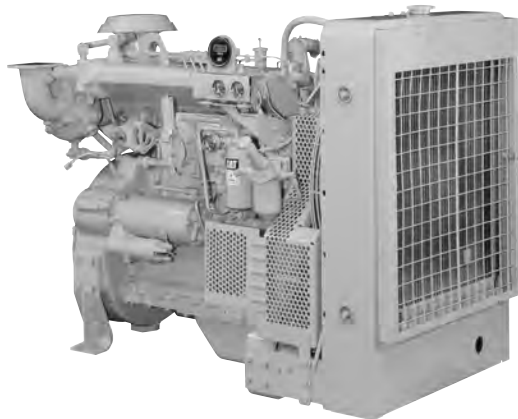


Marine Auxiliary Engine

3304B

Radiator Cooled

73 bkW (98 bhp) 99 mhp @ 1800 rpm



Shown with
Accessory Equipment

STANDARD EQUIPMENT

Air Inlet System

Regular duty single stage air cleaner, rain cap

Charging System

24V 35 Amp alternator

Cooling System

Gear driven, centrifugal, jacket water pump; oil cooler; engine mounted radiator, fan guard, blower fan, fan drive; thermostat and housing

Exhaust System

Watercooled manifold and turbocharger; dry flange, 76 mm (3 in.)

Flywheel & Flywheel Housing

SAE No. 1 (156 teeth)

Fuel System

Fuel priming pump, fuel transfer pump, fuel filter, primary fuel filter, flexible fuel lines

Instruments

RH instrument panel with oil pressure, water temperature, and fuel pressure gauges; service meter

Lube System

Top-mounted crankcase breather, oil filter, LH oil level gauge

Mounting System

Supports

Starting System

24V Electric starting motor

General

Caterpillar yellow paint, lifting eyes

SPECIFICATIONS

I-4, 4-Stroke-Cycle-Diesel

Emissions IMO compliant
 Displacement 7.0 L (425 cu. in.)
 Bore 121 mm (4.75 in.)
 Stroke 152 mm (6.0 in.)
 Aspiration Naturally Aspirated
 Governor Hydra-mechanical or PSG
 Engine Weight, Net Dry (approx) 835 kg (1840 lb)
 Capacity for Liquids
 Cooling System
 (engine and radiator) 32 L (8.5 U.S. gal)
 Lube Oil System 22 L (5.75 U.S. gal)
 Oil Change Interval 500 hr
 Caterpillar DEO 10W30 or 15W40
 Rotation (from flywheel end) Counterclockwise

ACCESSORY EQUIPMENT

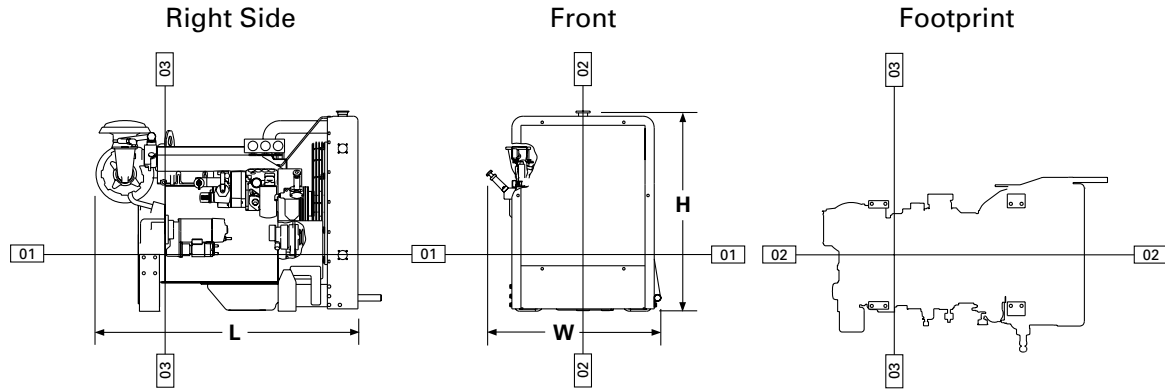
Air Starting Motor
 Alarm Contactor — Oil Pressure, Water Temperature
 12V 60 Amp Alternator
 Auxiliary Drive Pulley
 Digital Tachometer
 Double Wall Fuel Lines and Drain
 12V Electric Gauges — Oil Pressure, Water Temperature
 24V or 32V Electric Gauges — Oil Pressure, Water Temperature
 Electric Shutoffs — Oil Pressure, Water Temperature, Overspeed
 12V Electric Starting Motor
 Ether Starting Aid
 Exhaust Elbow, Pipe, Flexible Fittings
 Generator Installation Arrangement
 High Capacity Radiator and Fan Drive
 Hydraulic Pump Drive
 Magnetic Pickup
 Manual Shutoff Lever
 Manual Voltage Control
 Mechanical Tachometer Drive
 Paralleling Kit
 Rear Enclosed Clutch and Support
 RFI Filter
 RH Oil Level Gauge
 Solenoid Shutoff — 12V or 24V, ETR or ETS
 Spare Parts Kit

PERFORMANCE DATA

Naturally Aspirated

DM4054-00

73 bkW (.8 pf) 98 bhp			
% load	bkW	Lph	gph
100	78	24.9	6.6
76	59	17.2	4.5
53	41	12.5	3.3
24	20	7.6	2.0



DIMENSIONS*

	mm	in.		
Overall Length	1467.6	57.8		
Length from front to rear face of block	1080.8	42.6		
Overall Height	1120.9	44.1		
Height from crankshaft centerline to top of engine	803.5	31.6		
Height from crankshaft centerline to bottom of oil pan	317.4	12.5		
Overall Width	979.4	38.6		
Width from crankshaft centerline to port side (left side)	436.6	17.2		
Width from crankshaft centerline to starboard side (right side)	542.8	21.4		
			Front	Rear
			mm	in.
Customer mounting hole diameter	17.5	0.7		
Width from crankshaft centerline to side	285.7	11.3	285.7	11.3
Length from rear face of block to mounting holes	653.4	25.7	49.6	2.0
	713.4	28.1	125.8	5.0

*Illustrations and dimensions from drawing: 138-9318.

RATING CONDITIONS

Engine Performance Parameters

Power.....	±3%
Specific Fuel Consumption	±3%
Fuel Rate.....	±5%

Fuel rates are based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 29°C (85°F) and weighing 838.9 g/L (7.001 lb/U.S. gal).

Ratings are based on SAE J1228/ISO8665 standard conditions of 100 kPa (29.61 in. Hg), 25°C (77°F), and 30% relative humidity. These ratings also apply at ISO3046/1, DIN6271/3, and BS5514 conditions of 100 kPa (29.61 in. Hg), 27°C (81°F), and 60% relative humidity.

Additional ratings may be available for specific customer requirements. Consult your Caterpillar representative for additional information.

Performance data is calculated in accordance with tolerances and conditions stated in this specification sheet and is only intended for purposes of comparison with other manufacturers' engines. Actual engine performance may vary according to the particular application of the engine and operating conditions beyond Caterpillar's control.

TMI Reference No.: DM4054-00 (6-18-01)

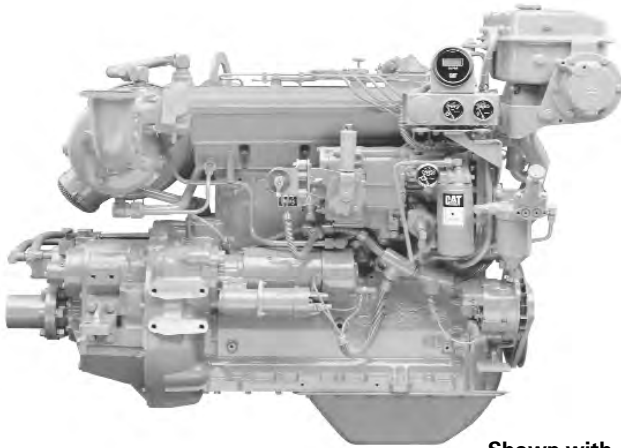
Materials and specifications are subject to change without notice.

The International System of Units (SI) is used in this publication.



Marine Auxiliary Engine 3304B

74 bkW (99 bhp) 100 mhp @ 1800 rpm



Shown with Accessory Equipment

SPECIFICATIONS

I-4, 4-Stroke-Cycle-Diesel

Emissions IMO compliant
 Displacement 7.0 L (425 cu. in.)
 Bore 121 mm (4.75 in.)
 Stroke 152 mm (6.0 in.)
 Aspiration Naturally Aspirated
 Governor Hydra-mechanical or PSG
 Engine Weight, Net Dry (approx)
 Heat Exchanger Cooled 798 kg (1760 lb)
 Keel Cooled 764 kg (1685 lb)
 Capacity for Liquids
 Cooling System (engine only) 13 L (3.5 U.S. gal)
 Lube Oil System 22.5 L (5.9 U.S. gal)
 Oil Change Interval 250 hr
 Caterpillar DEO 10W30 or 15W40
 Rotation (from flywheel end) Counterclockwise

STANDARD EQUIPMENT

Air Inlet System

Regular duty single-stage air cleaner, rain cap

Charging System

24V 35 Amp alternator

Cooling System

Gear driven, self-priming, centrifugal auxiliary water pump with rubber impeller (heat exchanger engines); gear driven, centrifugal, jacket water pump; expansion tank; oil cooler; engine mounted heat exchanger with removable tube bundle and replaceable copper-nickel tubes (heat exchanger engines); expansion tank; thermostat and housing

Exhaust System

Watercooled manifold and turbocharger; dry flange, 76 mm (3 in.)

Flywheel and Flywheel Housing

SAE No. 1 (156 teeth)

Fuel System

Fuel priming pump, fuel transfer pump, fuel filter, primary fuel filter, flexible fuel lines

Instruments

RH instrument panel with oil pressure, water temperature, and fuel pressure gauges; service meter

Lube System

Top-mounted crankcase breather, oil filter, LH oil level gauge

Mounting System

Supports

Starting System

24V Electric starting motor

General

Caterpillar yellow paint, lifting eyes

ACCESSORY EQUIPMENT

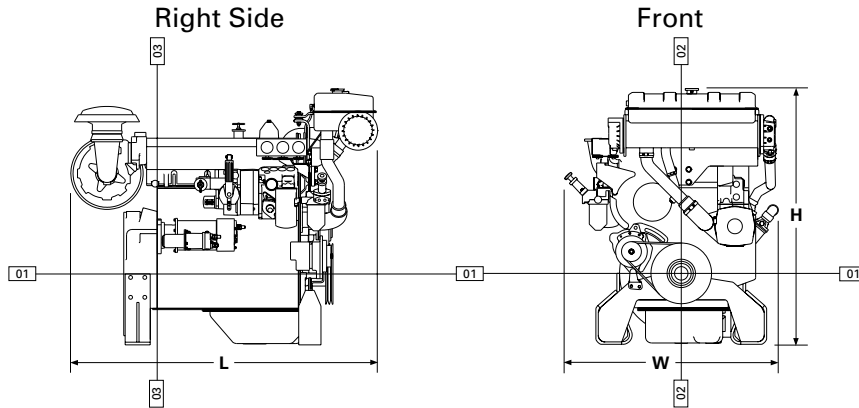
Air Starting Motor
 Alarm Contactor — Oil Pressure, Water Temperature
 12V 51 Amp, 24V 35 Amp or 60 Amp Alternator
 Auxiliary Drive Pulley
 Digital Tachometer
 Double Wall Fuel Lines and Drain
 12V Electric Gauges — Oil Pressure, Water Temperature
 24V or 32V Electric Gauges — Oil Pressure, Water Temperature
 Electric Shutoffs — Oil Pressure, Water Temperature, Overspeed
 12V Electric Starting Motor
 Ether Starting Aid
 Exhaust Elbow, Pipe, Flexible Fittings
 Generator Installation Arrangement
 Hydraulic Pump Drive and Adapter
 Magnetic Pickup
 Manual Shutoff Lever
 Manual Voltage Control
 Mechanical Tachometer Drive
 Mechanical Overspeed Contactor
 Paralleling Kit
 Rear Enclosed Clutch and Support
 RFI Filter
 RH Oil Level Gauge
 Solenoid Shutoff — 12V or 24V, ETR or ETS
 Spare Parts Kit

PERFORMANCE DATA

Naturally Aspirated

TM8324-00

74 bkW (.8 pf) 99 bhp			
% load	bkW	Lph	gph
100	74	22.7	6.0
77	56	16.5	4.4
54	40	12.3	3.2
23	18	7.4	2.0



DIMENSIONS*

	mm	in.		mm	in.
Overall Length	1373.4	54.1			
Length from front to rear face of block	986.6	38.8			
Length from rear face of block to end of engine	386.8	15.2			
Overall Height	1145.2	45.1			
Height from crankshaft centerline to top of engine	827.7	32.6			
Height from crankshaft centerline to bottom of oil pan	317.5	12.5			
Overall Width	957.5	37.7			
Width from crankshaft centerline to port side (left side)	434.8	17.1			
Width from crankshaft centerline to starboard side (right side)	522.7	20.6			
			Front	Rear	
Customer mounting hole diameter	17.5	0.7	17.5	17.0	0.7
Width from crankshaft centerline to side	285.1	11.3	285.1	285.8	11.3
Length from rear face of block to mounting hole	653.4	25.7	653.4	76.2	3.0
	711.4	28.0		125.7	5.0

*Illustrations and dimensions from drawing: 118-7825.

RATING CONDITIONS

Engine Performance Parameters

Power.....	±3%
Specific Fuel Consumption	±3%
Fuel Rate.....	±5%

Fuel rates are based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 29°C (85°F) and weighing 838.9 g/L (7.001 lb/U.S. gal).

Ratings are based on SAE J1228/ISO8665 standard conditions of 100 kPa (29.61 in. Hg), 25°C (77°F), and 30% relative humidity. These ratings also apply at ISO3046/1, DIN6271/3, and BS5514 conditions of 100 kPa (29.61 in. Hg), 27°C (81°F), and 60% relative humidity.

Additional ratings may be available for specific customer requirements. Consult your Caterpillar representative for additional information.

Performance data is calculated in accordance with tolerances and conditions stated in this specification sheet and is only intended for purposes of comparison with other manufacturers' engines. Actual engine performance may vary according to the particular application of the engine and operating conditions beyond Caterpillar's control.

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Materials and specifications are subject to change without notice.

The International System of Units (SI) is used in this publication.