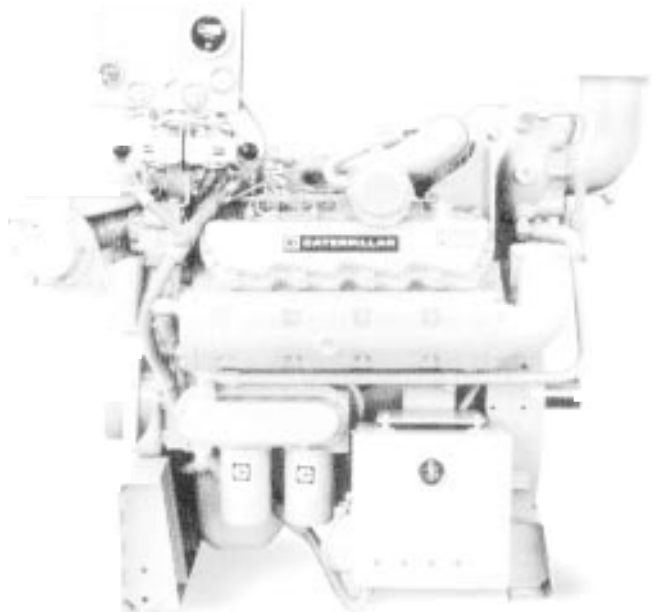


CATERPILLAR®

Fire Pump Engine

3208

101-270 hp
75-201 kW



SPECIFICATIONS

V-8, 4-Stroke-Cycle Diesel

Naturally Aspirated & Turbocharged

Bore—in (mm) 4.5 (114)

Stroke—in (mm) 5.0 (127)

Displacement—cu in (L) 636 (10.4)

Rotation (from flywheel end) Counterclockwise

Capacity for Liquids—U.S. gal (L)

Cooling System*(NA) 12.5 (47.3)

(T) 14.5 (54.9)

Lube Oil System (refill) 5.0 (18.9)

Weight, Net Dry (approx)—lb (kg)

Naturally Aspirated 1,720 (780)

Turbocharged 1,780 (807)

*Engine only. Capacity will vary with radiator size and use of cab heater.

STANDARD EQUIPMENT

Air cleaner, single-stage, dry, round-type

Alternator, charging, 24 Volt

Breather, crankcase

Cooler, lubricating oil

Exhaust flange, threaded

Exhaust outlet, dry

Filters

fuel, lubricating oil

Flywheel

Flywheel housing, SAE No. 2

Flywheel stub shaft

Governor control, vernier

Governor, mechanical

Heat exchanger (installed)

Heater, jacket water (120/240 Volts)

Instrument panel, left side

ammeter gauge, fuel pressure gauge, electric hour meter, lubricating oil pressure gauge, tachometer, water temperature gauge

Lifting eyes

Manifolds, watercooled

Oil pan

Paint, red

Pumps

fuel priming, fuel transfer, jacket water

SAE standard rotation

Stop-start system, automatic

(compatible with NFPA 20 requirements —

energizable from either of two battery sources and capable of manual starter actuation)

Supports

Tank, expansion

Thermostats and housing

Torsional vibration damper

Turbocharger, watercooled (T)

CAT® DIESEL FIRE PUMP ENGINES

Factory designed—assembled—tested and delivered in a package that meets NFPA-20 regulations and more—supported 100% by your Caterpillar dealers.

FACTORY RUN-IN

All Cat® fire pump diesels are dynamometer tested at the factory to make sure they meet the certified rating standards. Your Caterpillar dealer can provide on-site inspection and training or instruction.

RELIABLE STARTING

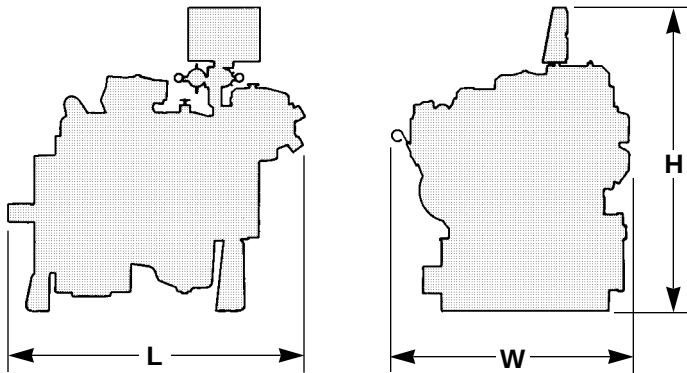
Cat® fuel injection systems feature individual injection pumps for each cylinder and injector capsules with clog-resistant orifices. Injection system, along with a solenoid energized to shut down, assures quick, easy starting in case of emergency.



Approved



DIMENSIONS



LENGTH	in	mm
Naturally Aspirated	48.83	(1240)
Turbocharged	55.29	(1404)
WIDTH	in	mm
Naturally Aspirated	39.57	(1005)
Turbocharged	39.57	(1005)
HEIGHT	in	mm
Naturally Aspirated	49.59	(1260)
Turbocharged	49.59	(1260)

FUEL CONSUMPTION gal/h (liter/h)

	3208 NA/175	3208 NA/210	3208 T
1460 rpm	4.8 (18.3)	5.8 (22.3)	7.9 (30)
1750 rpm	5.8 (22.4)	6.8 (26.3)	10.4 (39.8)
1900 rpm	6.4 (24.5)	7.4 (28.4)	11.1 (42.5)
2100 rpm	7.0 (27)	8.3 (32)	12.0 (46)
2200 rpm	7.3 (28)	8.6 (33.2)	12.5 (48)
2300 rpm	7.7 (29.5)	9.0 (34.5)	13.0 (50)
2400 rpm	8.1 (31)	9.2 (35.2)	13.3 (51)
2600 rpm	8.4 (32.4)	9.6 (37.0)	13.8 (53)
2800 rpm	9.1 (35)	10.3 (39.6)	14.2 (54.5)
3000 rpm	9.7 (37.5)	11.2 (43.1)	—

POWER RATING hp (kW)

	3208 NA/175	3208 NA/210	3208 T
1460 rpm	101 (75)	122 (91)	145 (108)
1750 rpm	121 (90)	141 (105)	196 (146)
1900 rpm	130 (97)	150 (112)	211 (157)
2100 rpm	141 (105)	165 (123)	235 (175)
2200 rpm	145 (108)	170 (127)	245 (183)
2300 rpm	150 (112)	176 (131)	251 (187)
2400 rpm	156 (116)	180 (134)	255 (190)
2600 rpm	160 (119)	182 (136)	260 (194)
2800 rpm	165 (123)	187 (139)	270 (201)
3000 rpm	160 (119)	185 (138)	—

RATING CONDITIONS AND DEFINITIONS

Rating conditions are 300 ft (91.4 m) above sea level 29.61 in Hg or (0.7521 m Hg) at 77°F (25°C). Deductions in horsepower of 3% for each 1,000 ft (305 m) above 300 ft (91.4 m) and 1% for each 10°F (5.6°C) increase in ambient temperature above 77°F (25°C) are required as specified in NFPA No. 20.

Standby fire pump ratings represent the output which may be utilized to drive stationary fire pumps where the pumping equipment has been sized according to ULI, ULC, and FM procedures.

Materials and specifications are subject to change without notice.

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