

CATERPILLAR®

Oilfield	3208 3406
Workover	3306 3408
Rig Engine	3176 3412



SPECIFICATIONS

CAT® 3208

Bore—mm (in)	114 (4.5)
Stroke—mm (in)	127 (5.0)
Displacement— L (cu in)	10.4 (636)
Weight—kg (lb)	658 (1,450)
Low idle—rpm	650

CAT® 3306

Bore—mm (in)	121 (4.75)
Stroke—mm (in)	152 (6.0)
Displacement— L (cu in)	10.5 (638)
Weight—kg (lb)	1,007 (2,220)
Low idle—rpm	600

CAT® 3176

Bore—mm (in)	125 (4.9)
Stroke—mm (in)	140 (5.5)
Displacement— L (cu in)	10.3 (628)
Weight—kg (lb)	1,937 (4,261)
Low idle—rpm	600

CAT® 3406

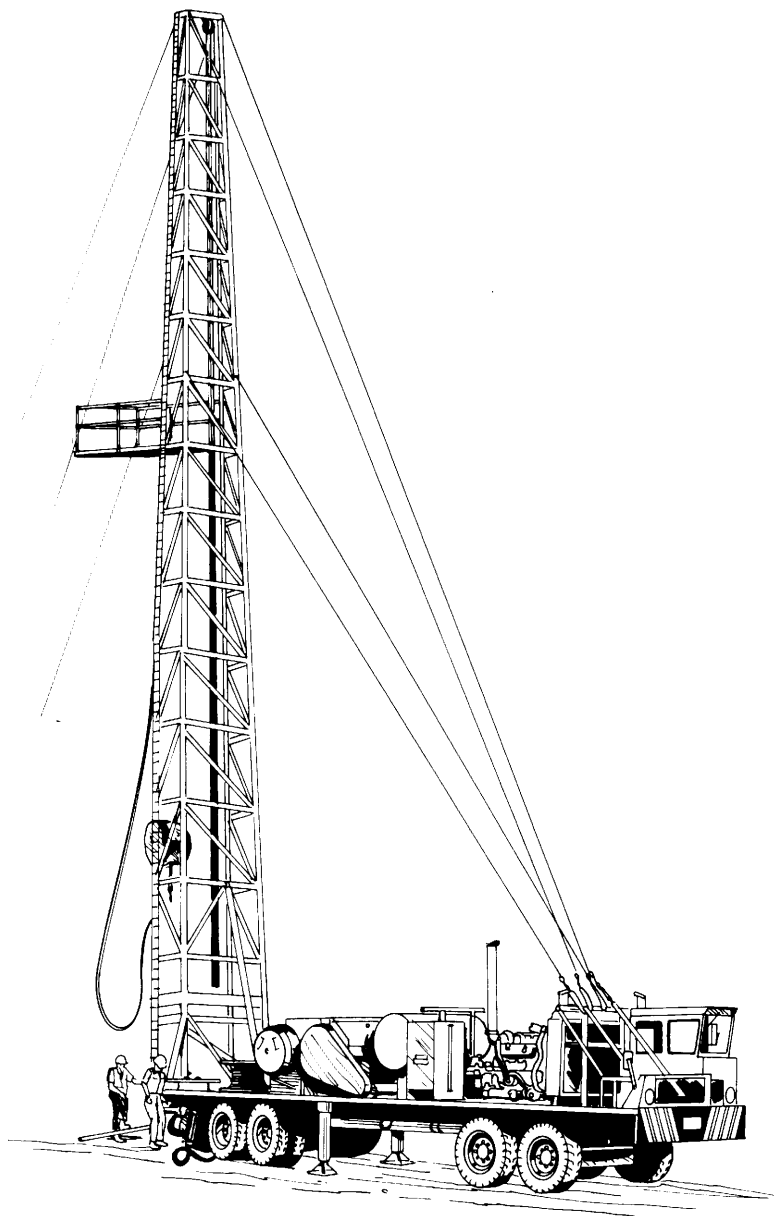
Bore—mm (in)	137 (5.4)
Stroke—mm (in)	165 (6.5)
Displacement— L (cu in)	14.6 (893)
Weight—kg (lb)	1,356 (2,990)
Low idle—rpm	600

CAT® 3408

Bore—mm (in)	137 (5.4)
Stroke—mm (in)	152 (6.0)
Displacement— L (cu in)	18.0 (1,099)
Weight—kg (lb)	1,497 (3,300)
Low idle—rpm	650

CAT® 3412

Bore—mm (in)	137 (5.4)
Stroke—mm (in)	152 (6.0)
Displacement— L (cu in)	27.0 (1,649)
Weight—kg (lb)	2,141 (4,720)
Low idle—rpm	600



The outstanding performance of Caterpillar engines is the result of 50 years experience in diesel power, plus a multi-million dollar research and development program. For the user this means continual improvement and refinement in engine performance.

The diesel engines described here are offered by Caterpillar for use on workover rigs.

The typical package contains the attachments normally specified on engines powering workover rigs. These Cat® engines, when equipped with the user's choice of torque converter or clutch, result in a unit that specifically meets the application requirements of the drilling contractor.

FEATURES

■ FUEL ECONOMY

Consistent performance, variable-timed fuel injection, broad rpm, turbocharged match, and excellent fuel economy over entire operating range.

■ RELIABILITY AND DIESEL DURABILITY

Diesel tough components, precise balance and conservative speed for smooth operation and long engine life.

■ RATING FLEXIBILITY

To match individual needs.

■ BROAD APPLICATION RANGE

High torque rise, big displacement, convenient installation, more performance for your money.

■ SCHEDULED OIL SAMPLING (S•O•S)

Early detection of engine wear, prevents major engine failures, allows efficient, convenient repair service scheduling.

■ ENGINE REPAIR OPTIONS

Tune-ups, lower end overhauls, in-frame and out-of-frame overhauls, Cat® remanufactured engines and short blocks.

■ FLAT RATE PRICING

Sets costs in advance for preventive maintenance programs and major repair options.

■ MONEY-SAVING EXCHANGE

Savings in repair time and cost when exchanging worn engine components for quality Cat® remanufactured or dealer rebuilt components.

■ PREVENTIVE MAINTENANCE KITS

Necessary parts plus instructions for faster repairs and simplified parts ordering.

■ COMPONENT REPAIR KITS

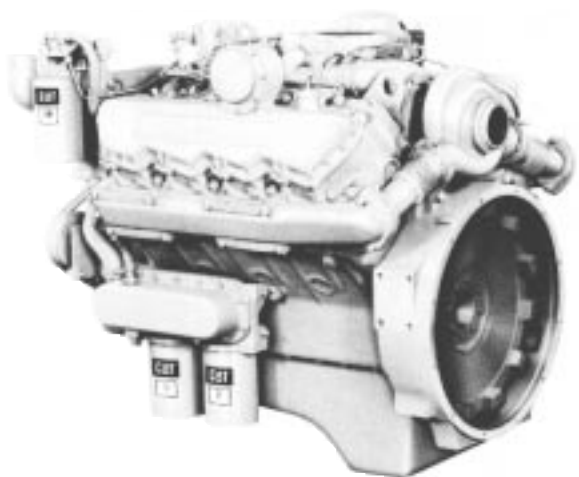
Help speed repair and simplify parts ordering.

RATINGS

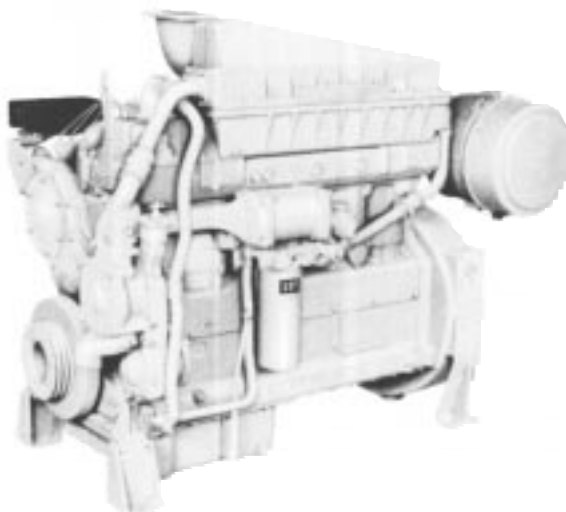
Model	kW	(hp)	rpm	Aspiration
3208	186	(250)	2800	T
3306	186	(250)	2200	T
3306	224	(300)	2200	TA
3176*	272	(365)	2100	ATAAC
3406	242	(325)	2100	T
3406	268	(360)	2100	TA
3406	300	(402)	2100	TA
3406	343	(460)	2100	TA
3408	317	(425)	2100	T
3408	375	(503)	2100	TA
3412	429	(575)	2100	T
3412	485	(650)	2100	T
3412	600	(804)	2100	TA

*Includes electronic engine control

CAT® 3208



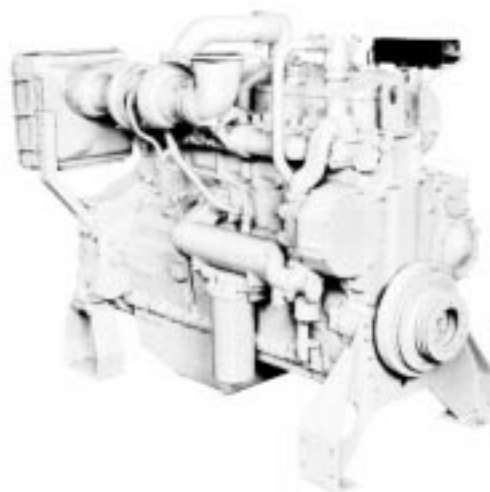
CAT® 3306



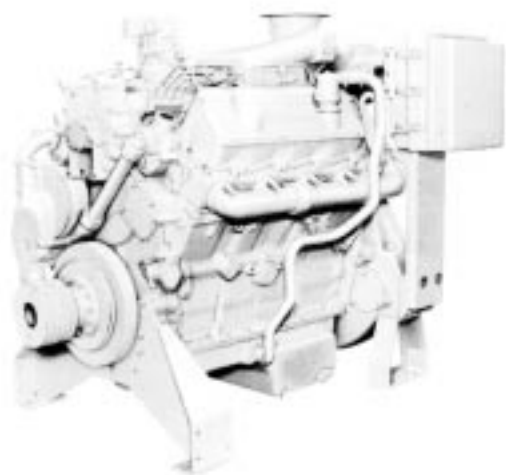
CAT® 3176



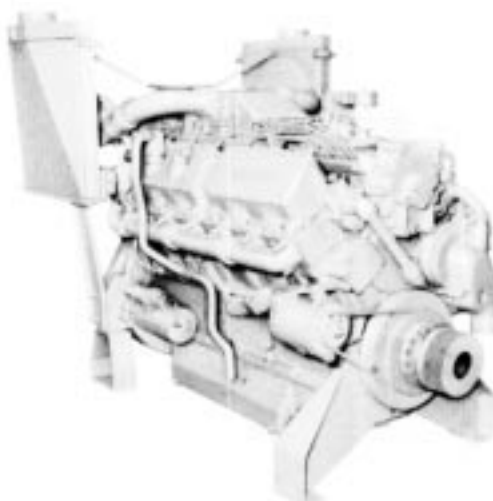
CAT® 3406



CAT® 3408



CAT® 3412



CATERPILLAR PARTS AND SERVICE

You will find Caterpillar parts and service outlets in major oil producing areas worldwide. With the most comprehensive parts distribution system in the industry, most engine parts orders can be filled immediately over a dealer's counter. As a backup, dealers can quickly convey their parts needs to the nearest location in a network of Caterpillar parts facilities around the world. The dealer places an order with the Caterpillar parts depot and a computerized inventory control system helps fill that order, printing shipping instructions for any part in the system – wherever it might be.

While many oilfield contractors maintain a service department adept at handling repairs, they have the assurance that Caterpillar engine dependability is backed by a force of factory qualified dealer servicemen worldwide – men who are specially trained to keep Cat® engines operating at peak efficiency. For all engine repairs, from minor work to a major overhaul or rebuild, expert attention is as near as your phone or radio. Work is fast and accurate. Downtime is minimized.

Ask about installation and start-up procedures offered by Caterpillar.

RATING CONDITIONS AND DEFINITIONS

Ratings are based on SAE J1349 standard conditions of 100 kPa (29.61 in Hg) and 25° C (77° F). These ratings also apply at ISO3046/1, DIN6271, and BS5514 standard conditions of 100 kPa (29.61 in Hg), 27° C (81° F) and 60% relative humidity.

Hoisting: The power and speed capability of the engine which can be used to power the drawworks only of a drilling or workover rig through a mechanical drive.