

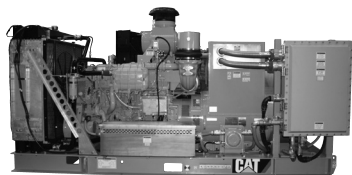
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EXPLORE CAT® BLOGS AND GO BEYOND
THE IRON OF CAT OIL AND GAS PRODUCTS
TO HELP YOU STAY AHEAD OF THE GAME.



OFFSHORE DRILLING & PRODUCTION

Cat engines and generator sets are widely known for performance, reliability, durability, and fuel flexibility in the offshore oil and gas industry. With ratings capable of operating on MDO, CRU, and dual fuel, offshore products include generator sets for main, essential, and emergency power plus a wide range of fire pump and crane engines. The global Cat dealer network covers offshore operations with warranty, parts, service, and technical support.

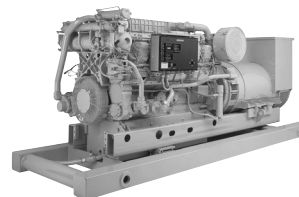


GENERATOR SETS

Cat hazardous location generator sets combine the C32 ACERT – 1500 and 1800 rpm, 3512C – 1800 rpm and 3516C – 1800 rpm to meet Class I Division 2 requirements for core engine electronics and on-site needs. Contact the Application Support Center for additional information.

OFFSHORE HAZARDOUS LOCATION GENERATOR SET RATINGS

Model	Duty	bkW	ekW	Configuration
1500 rpm/50 Hz				
C32 ACERT	OS-Prime	874	800	Haz Loc
1800 rpm/60 Hz				
C32 ACERT	OS-Prime	994	910	Haz Loc
3512C HD	OS-Prime	1802	1730	Haz Loc
3516C HD	OS-Prime	2210	2100	Haz Loc



OFFSHORE GENERATOR SET RATINGS

Model	Duty	bkW	ekW ¹	Emissions
1000 rpm/50 Hz				
3512B	MCR	933	-	EPA Tier I, IMO I
1500 rpm/50 Hz				
3512B	MCR	1257	-	IMO II
3516B	OS-Prime	1717	1600	IMO II
3512B	MCR	1257	1200	IMO II
3516B	MCR	1717	-	IMO II
1800 rpm/60 Hz				
3508B	OS-Prime	968	910	IMO I
3512B	OS-Prime	1424	1360	IMO I
3516B	OS-Prime	1901	1825	IMO I

SPECIFICATIONS²

	L – mm (in)	W – mm (in)	H – mm (in)	Wt – kg (lbs)	Disp – L (in ³)
3508B	4031 (158.7)	1784 (70.2)	2048 (80.6)	12 475 (27,503)	35 (2116)
3512B	4660 (183.5)	1988 (78.3)	2043 (80.4)	14 975 (33,014)	52 (3161)
3516B	6095 (240)	2147 (84.5)	2106 (82.9)	17 500 (38,580)	69 (4233)
3516B HD	6095 (240)	2147 (84.5)	2214 (87.2)	18 800 (41,400)	78 (4764)
Bore x Stroke – mm (in) 170 x 190 (6.7 x 7.5)					
Bore x Stroke – mm (in) HD 170 x 215 (6.7 x 8.5)					

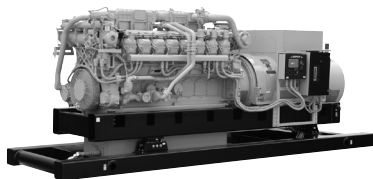
¹Dependent on generator selection and power factor.

²Dimensions and weights are dependent on generator and options selected. See general installation drawings for details.

Please see spec sheet for more information:

3508B LEHW0123
 3512B LEHW0124, LEHW0125
 3516B LEHW0126, LEHW0127

For diesel engine rating definitions please see page 10.



OFFSHORE GENERATOR SET RATINGS

Model	Duty	bkW	ekW ¹	Emissions
1200 rpm/60 Hz				
3512C	MCR	1101	1030	IMO II, EPA II
3516C HD*	MCR	1383	1285	IMO II/III ³
3516C HD*	MCR	1603	1530	IMO II/III ³
1800 rpm/60 Hz				
3512C	OS-Prime	1432	1360	IMO II
3512C HD	OS-Prime	1632	1550	IMO II
3512C HD	OS-Prime	1790	1700	IMO II
3516C HD	OS-Prime	2350	2250	IMO II

*Available with increased exhaust backpressure.
¹Dependent on generator selection and power factor.

²Dimensions and weights are dependent on generator and options selected. See general installation drawings for details.
³IMO III engines require SCR aftertreatment. Contact dealer for availability and technical details.

SPECIFICATIONS²

	L – mm (in)	W – mm (in)	H – mm (in)	Wt – kg (lbs)	Disp – L (in ³)
3512C	5448 (214.5)	1825 (71.9)	2313 (91)	14 975 (33,300)	51.8 (3161)
3516C HD	6705 (264)	1986 (78.2)	2535 (99.8)	18 800 (41,400)	78 (4764)

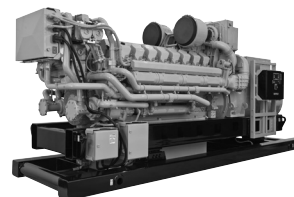
Bore x Stroke – mm (in) 170 x 190 (6.7 x 7.5)

Bore x Stroke HD – mm (in) 170 x 215 (6.7 x 8.5)

Please see spec sheet for more information:

3512C LEHW0078 3516C HD LEHW0073, LEHW0155

For diesel engine rating definitions please see page 10.



OFFSHORE GENERATOR SET RATING

Model	Duty	bkW	ekW ¹	Emissions
1200 rpm/60 Hz				
C175-16	MCR	1930	1833	IMO II/III ³
C175-16	MCR	2316	2200	IMO II/III
1500 rpm/50 Hz				
C175-16	MCR	2418	2300	IMO II
1800 rpm/60 Hz				
C175-16	OS-Prime	2800	2660	IMO II

SPECIFICATIONS²

	L – mm (in)	W – mm (in)	H – mm (in)	Wt – kg (lbs)	Disp – L (in ³)
C175-16 50 Hz	6782 (267)	2413 (95)	2928 (115)	25 991 (57,300)	85 (5164)
C175-16 60 Hz	6742 (265)	2125 (84)	2916 (115)	24 312 (53,599)	85 (5164)
Bore x Stroke – mm (in) 175 x 220 (6.9 x 8.7)					

*Available with increased exhaust backpressure.

¹Dependent on generator selection and power factor.

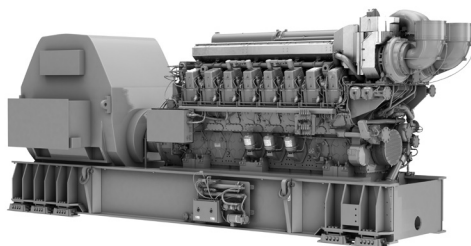
²Dimensions and weights are dependent on generator and options selected. See general installation drawings for details.

³IMO III engines require SCR aftertreatment. Contact dealer for availability and technical details.

Please see spec sheet for more information:

C175-16 50 Hz LEHW0151 C175-16 60 Hz LEHW6097

For diesel engine rating definitions please see page 10.



OFFSHORE GENERATOR SET RATINGS

Model	Duty	bkW	ekW [†]	Emissions
900 rpm/60 Hz				
C280-8	Cont	2300	2200	IMO III
C280-8	Cont	2530	2420	IMO III
C280-8	Cont	2300	2200	IMO II
C280-8	Prime	2530	2420	IMO II
C280-8	MCR	2530	2420	IMO II
C280-12	Cont	3460	3300	IMO II
C280-12	Prime	3800	3640	IMO II
C280-12	Prime	3800	3640	EPA Tier 4i, IMO III
C280-12	MCR	3800	3650	IMO II
C280-12	Cont	3460	3300	EPA Tier 4i, IMO III
C280-16	Cont	4600	4400	IMO II
C280-16	Prime	5060	4840	IMO II
C280-16	Cont	4600	4400	IMO II
C280-16	Prime	5060	4840	IMO II
C280-16	MCR	5730	5500	IMO II
C280-16	MCR	5730	5500	IMO III
C280-16	MCR	5060	4840	IMO III

* Available with front- or rear-mounted turbochargers.

** Front-mounted turbochargers, all other ratings are rear-mounted turbochargers.

[†]Available with increased exhaust backpressure.

[‡]Dependent on generator selection and power factor.

[§]IMO III engines require SCR aftertreatment. Contact dealer for availability and technical details.

Ratings continued on page 75

Ratings continued from page 74

Model	Duty	bkW	ekW [†]	Emissions
1000 rpm/50 Hz				
C280-6	Cont	1850	1760	IMO II
C280-6	Prime	2030	1940	IMO II
C280-8	Prime	2710	2600	IMO II
C280-8	MCR	2710	2600	IMO II
C280-12	Cont	3700	3520	IMO II
C280-12	Prime	4060	3880	IMO II
C280-16	Cont	4920	4700	IMO II
C280-16	Prime	5420	5200	IMO II

SPECIFICATIONS³

	L – mm (in)	W – mm (in)	H – mm (in)	Wt – tonnes (lbs)	Disp – L (in ³)
C280-8	8140 (320.5)	2326 (91.6)	3406 (134.1)	49 (108,027)	148 (9031)
C280-12	8125 (319.9)	2568 (101.1)	3973 (156.4)	56.5 (124,561)	222 (13,546)
C280-16 FMT	10283 (404.8)	2800 (110.2)	4092 (161.1)	66 (145,505)	296 (18,062)
C280-16 RMT	9873 (388.7)	2931 (115.4)	4092 (161.1)	64 (141,096)	296 (18,062)

Bore x Stroke – mm (in) 280 x 300 (11 x 11.8)

³Dimensions and weights are dependent on generator and options selected. See general installation drawings for details.

Please see spec sheet for more information:

C280-8 LEHW0086, LEHW0092
 C280-12 LEHW0087, LEHW0093
 C280-16 LEHW0088, LEHW0094, LEHW0182

For diesel engine rating definitions please see page 10.