



RATINGS

Gross Input Power	2461 kW (3300 hp)
Gross Input Torque	12,677 N*m (9350 lb-ft)
Rated Input Speed	1900 rpm
Maximum Input Speed	1970 rpm

OUTPUT CONNECTION OPTIONS

GWB 390.65 – 2500 hp
GWB 390.70 – 3000+ hp

POWER TAKE OFF

(Pump Auxiliary Drive)

PTO Mountings and Locations*

Drive:	Engine-driven PTO
Location:	3 o'clock & 11 o'clock
Mountings:	SAE J704 (8-bolt) at 3 o'clock (Optional Cat bolt-on PTO)*
	SAE J744 C-size (2- and 4-bolt) at 11 o'clock
Maximum PTO Power:	
	3 o'clock-150 hp @1900 rpm (Cat PTO)*
	11 o'clock- 150 hp @1900 rpm

TRANSMISSION

GEAR	SPEED RATIOS
1F	4.67
2F	3.43
3F	3.03
4F	2.53
5F	2.22
6F	1.85
7F	1.64
8F	1.36
9F	1.00

DIMENSIONS

Height:	1288 mm (50.7 in)
Width:	1246 mm (49.1 in)
Length:	2132 mm (83.9 in)

WEIGHT

Approximate Dry Weight	
Transmission	2781 kg (6131 lbs)
Engine/Transmission Coupling	
105-150 kg (231-331 lbs)	

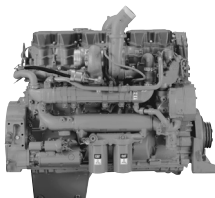
SPEC SHEET

LEHW1006
LEHW20261 - Cat PTO

* Please see Application and Integrate Guides (REHS2893 & M0117341) for further details on PTO specifications and limitations

LAND DRILLING

Cat engines have been the driving force behind the majority of the world's drilling wells for years. Cat engines and modules feature proven reliability and durability, the right power for each application, easy servicing, fuel consumption optimized for drilling, ease of installation, and low owning and operating costs.



RATINGS

Rating Tier	bkW	bhp	rpm	Emissions
A/B	354	475	1800	EPA T4F NR, EU IV NR, CHINA IV
C	403	540	1800	EPA T4F NR, EU IV NR, CHINA IV
D	433	580	1800	CHINA IV NR, EU V NR
A	328	440	1800	EPA T3 NR
B	354	475	1800	EPA T3 NR

*Available with Cat compression brake

LAND DRILLING MODULE RATINGS

Duty	bkW	ekW	kVA	bhp
50 Hz/1500 rpm				
Prime	331	292	365	444
Prime	410	365	456	550
60 Hz/1800 rpm				
Prime	373	320	-	500
Prime	380	365	-	510

SPECIFICATIONS

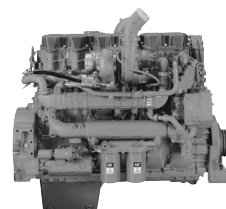
	L – mm (in)	W – mm (in)	H – mm (in)	Wt – kg (lbs)	Disp – L (in ³)
C15 ACERT	1377 (54)	927 (37)	1227 (48)	1245 (2743)	15 (928)
C15 ACERT T4	1530 (60.2)	961 (37.8)	1282 (51)	1580 (3482)	15 (928)
C15 ACERT Module	3518 (138.5)	1524 (60)	2110 (83.1)	4760 (10,500)	15 (928)
Bore x Stroke – mm (in)	137 x 171	5.4 x 6.75			

Please see spec sheet for more information:

C15 ACERT (T3)..... LEHW0061 C15 ACERT (T4) LEHW0097

C15 ACERT Module LEHW0010

For diesel engine rating definitions please see page 10.



RATINGS

Rating Tier	bkW	bhp	rpm	Emissions
A	429	575	1800- 2100	EPA T3 NR, EPA ESE, EU Stage IIIA, China III NR, IMO II, NC
B	447	600	1800- 2100	EPA T3 NR, EPA ESE, EU Stage IIIA, China III NR, IMO II, NC
C	470	630	1800- 2100	EPA T3 NR, EPA ESE, EU Stage IIIA, China III NR, IMO II, NC
C	522	700	1800- 2100	EPA T3 NR, EPA ESE, EU Stage IIIA, China III NR, IMO II, NC
D	570	765	1800- 2100	EPA T2 NR, China III NR, IMO II
E	597	800	1800- 2100	EPA T2 NR, China III NR, IMO II
A	429	575	1800-2000	EPA T4F NRNG, EU V NR
B	447	600	1800-2000	EPA T4F NRNG, EU V NR
C	470	630	1800-2000	EPA T4F NRNG, EU V NR
C	563	755	1800	EPA T4F NRNG, EU V NR
D	597	800	1800	EPA T4F NRNG, EU V NR

LAND DRILLING MODULE RATINGS

Duty	bkW	ekW	kVA	bhp	Emissions
50 Hz/1500 rpm					
Prime	490	436	545	657	China II NRNC, EU II NRNC
60 Hz/1800 rpm					
Prime	576	500	-	772	EPA T2
Prime	528	455	-	708	EPA T4F NRNG

Ratings continued on page 38

Ratings continued from page 37

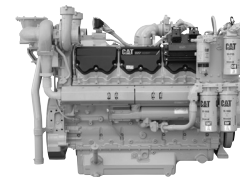
SPECIFICATIONS

	L – mm (in)	W – mm (in)	H – mm (in)	Wt – kg (lbs)	Disp – L (in³)
C18 ACERT	1389 (54.7)	919 (36.2)	1227 (49.5)	1273 (2807)	18 (1105)
C18 ACERT T4	1530 (60.2)	961 (37.8)	1282 (51)	1580 (3482)	18 (1105)
C18 ACERT Module	3632 (143)	1524 (60)	2115 (83.3)	5033 (11,095)	18 (1105)
Bore x Stroke – mm (in)	145 x 183 (5.7 x 7.2)				

Please see spec sheet for more information:

C18 ACERT (T3).....	LEHW0053	C18 ACERT Module (T4F)	LEHW0333
C18 ACERT (T4i).....	LEHW0098	C18 ACERT Module.....	LEHW7450
C18 ACERT (T4F).....	LEHW0109		

For diesel engine rating definitions please see page 10.



RATINGS

Rating Tier	bkW	bhp	rpm	Emissions
A	597	800	1800-2100	IMO II
B	653	875	1800-2100	IMO II
C	708	950	1800-2100	IMO II
D	783	1050	1800-2100	IMO II
E	858	1150	1800-2100	IMO II
A	597	800	1800	EPA T4F NRNG, EU V
B	652	875	1800	EPA T4F NRNG, EU V
C	708	950	1800	EPA T4F NRNG, EU V
D	783	1050	1800	EPA T4F NRNG, EU V
A	597	800	1800	EPA T4F NRNG, EU V

LAND ELECTRIC DRILLING MODULE RATINGS

Duty	bkW	ekW	kVA	bhp	Emissions
	60 Hz/1800 rpm				
Prime	824	725	1035	1105	NC
Prime	824	725	907	1105	NC

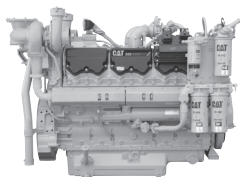
SPECIFICATIONS

	L – mm (in)	W – mm (in)	H – mm (in)	Wt – kg (lbs)	Disp – L (in³)
C27 ACERT	1918 (75.5)	1463 (57.6)	1321 (52)	2895 (6382)	27 (1648)
C27 ACERT T4	2160 (85)	1270 (50)	1650 (65)	2956 (6516)	27 (1648)
C27 ACERT Module	5228 (205.8)	1950 (76.8)	2180 (85.8)	9072 (20,000)	27 (1648)
Bore x Stroke – mm (in)	137.7 x 152.4 (5.42 x 6)				

Please see spec sheet for more information:

C27 ACERT (T2).....	LEHW0052	C27 ACERT Module.....	LEHW0115
C27 ACERT (T4i).....	LEHW0101		

For diesel engine rating definitions please see page 10.



RATINGS

Rating Tier	bkW	bhp	rpm	Emissions
A	597	800	1800-2100	EPA T2 NR, China III NR IMO II
B	708	950	1800-2100	EPA T2 NR, China III NR, IMO II
C	839	1125	1800-2100	EPA T2 NR, China III NR, IMO II
D	895	1200	1800-2100	EPA T2 NR, China III NR, IMO II
E	1007	1350	1800-2100	EPA T2 NR, China III NR, IMO II
B	746	1000	1800	EPA T4F NR, EU V NR
C	839	1125	1800	EPA T4F NR, EU V NR
D	895	1200	1800	EPA T4F NR

LAND DRILLING MODULE RATINGS

Duty	bkW	ekW	kVA	bhp	Emissions
50 Hz/1500 rpm					
Prime	882	800	1000	1182	NC
60 Hz/1800 rpm					
Prime	1008	910	1300	1351	EPA T2 NR

SPECIFICATIONS

	L – mm (in)	W – mm (in)	H – mm (in)	Wt – kg (lbs)	Disp – L (in³)
C32 ACERT	1918 (75.5)	1473 (58)	1321 (52)	2895 (6382)	32 (1953)
C32 ACERT T4	1905 (75)	1600 (63)	1549 (61)	3107 (6850)	32 (1953)
C32 ACERT Module	5228 (206)	1905 (75)	2180 (86)	9299 (20,500)	32 (1953)

Bore x Stroke – mm (in) 145 x 162 (5.7 x 6.4)

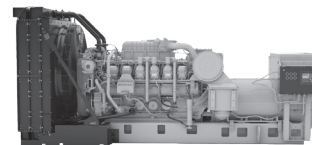
Please see spec sheet for more information:

C32 ACERT (T2) LEHW0049

C32 ACERT (T4i) LEHW0100

C32 ACERT Module LEHW0110

For diesel engine rating definitions please see page 10.



RATINGS

Rating Tier	Duty	bkW	bhp	rpm	Emissions
3508	Drill-M	567	760	1200	NC
3512	Drill-M	764	1025	1200	NC
3512	Drill-M	932	1250	1200	NC
3516	Drill-M	1230	1649	1200	NC

LAND ELECTRIC-DRIVE DRILLING MODULE RATINGS

Model	Duty	bkW	ekW	kVA	bhp	Emissions
50 Hz/1500 rpm						
3512	Drill-El	1090	990	1680	1462	NC

SPECIFICATIONS

	L – mm (in)	W – mm (in)	H – mm (in)	Wt – kg (lbs)	Disp – L (in³)
3508 Engine	2136 (84.1)	1702 (67.0)	1720 (67.7)	4309 (9500)	34.5 (2105)
3512 Engine	2675 (105.3)	1702 (67.0)	1720 (67.7)	5203 (11,471)	52 (3158)
3512 Module	7874 (310)	2385 (93.9)	2936 (115.6)	15 714 (34,643)	52 (3158)
3516 Engine	3251 (128)	1701 (67.0)	2004 (78.9)	8659 (19,090)	69 (4210)

Aspiration Turbocharged-Aftercooled

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

Please see spec sheet for more information:

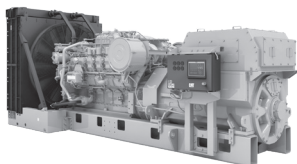
3508 Engine LEHW0058

3508 Module LEHW0069

3512 Engine LEHW0060

3512 Module LEHW0066

For diesel engine rating definitions please see page 10.



LAND MECHANICAL DRILLING ENGINE RATINGS

Model	Duty	bkW	bhp	rpm	Emissions
3508B	Drill-M	671	900	1200	EPA T1 NR

LAND ELECTRIC-DRIVE DRILLING ENGINE RATINGS

Model	Duty	bkW	bhp	rpm	Emissions
3508B	Drill-M	682	915	1200	EPA T1 NR
3512B	Drill-M	1101	1476	1200	EPA T1 NR
3512B with DGB	Drill-M	933	1251	1000	NC

LAND ELECTRIC-DRIVE DRILLING MODULE RATINGS

Model	Duty	bkW	ekW	kVA	bhp	Emissions
60 Hz/1200 rpm						
3512B	Drill-EI	1101	995	1673	1476	EPA T1
3512B with DGB	Drill-EI	1101	995	1673	1476	NC
3516B	Drill-EI	1383	1265	2150	1855	NC
50 Hz/1500 rpm						
3512B	Drill-EI	1310	1200	1993	1757	NC
3512B with DGB	Drill-EI	1310	1200	1993	1757	NC

SPECIFICATIONS

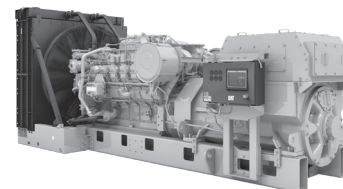
	L – mm (in)	W – mm (in)	H – mm (in)	Wt – kg (lbs)	Disp – L (in ³)
3508B Engine	2136 (84.1)	1702 (67)	2024 (79.7)	4309 (9500)	34.5 (2105)
3508B Module	4986 (196.3)	2319 (91.3)	2596 (102.2)	15 352 (33,846)	34.5 (2105)
3512B Engine	2675 (105.3)	1702 (67)	1720 (67.7)	5203 (11,471)	52 (3158)
3512B Module	6051 (238.2)	2318 (91.2)	2659 (104.7)	14 000 (30,864)	52 (3158)
3516B DGB Module	5841 (230.0)	2318 (91.2)	2662 (104.8)	13 545 (29,861)	52 (3158)
3516B Module	7874 (310.0)	2385 (93.9)	2520 (99.2)	18 810 (41,469)	69 (4210)

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

Please see spec sheet for more information:

3508B Engine	LEHW0057	3512B DGB Module	LEHW0200
3508B Module	LEHW0070	3516B Module	LEHW0065
3512B Module	LEHW0067, LEHW0170		

For diesel engine rating definitions please see page 10.



LAND MECHANICAL DRILLING ENGINE RATINGS

Model	Duty	bkW	bhp	rpm	Emissions
3508C	Drill-M	671	900	1200	EPA T2 NR
3512C HD	Drill-M	932	1250	1200	EPA T2 NR
3512C HD	Drill-M	1100	1475	1200	EPA T2 NR

LAND ELECTRIC-DRIVE DRILLING ENGINE RATINGS

Model	Duty	bkW	bhp	rpm	Emissions
3508C	Drill-EI	682	915	1200	EPA T2 NR
3512C	Drill-EI	1101	1476	1200	EPA T2 NR
3512C	Drill-EI	1305	1750	1200	EPA T2 NR

LAND ELECTRIC-DRIVE DRILLING MODULE RATINGS

Model	Duty	bkW	ekW	kVA	bhp	Emissions
50 Hz/1500 rpm						
3512C	Drill-EI	1310	1245	1993	1757	China III NR
3512C	Drill-EI	1310	1190	1700	1757	CHINA III
60 Hz/1200 rpm						
3512C	Drill-EI	1101	995	1673	1476	EPA T2 NR
3512C	Drill-EI	1305	1190	2113	1750	EPA T2 NR
3512C	Drill-el	1101	995	1673	1476	EPA T2
3512C	Drill-el	1305	1190	1700	1750	EPA T2

SPECIFICATIONS

	L – mm (in)	W – mm (in)	H – mm (in)	Wt – kg (lbs)	Disp – L (in ³)
3508C Engine	2136 (84.1)	1702 (67.0)	2024 (79.7)	4582 (10,101)	35 (2105)
3512C Module	6051 (238.2)	2318 (91.2)	2659 (104.7)	14 453 (31,864)	52 (3158)
3512C HD					
Engine	2682 (105.6)	1790 (70.5)	2019 (79.5)	5423 (11,945)	59 (3574)
Module	6035 (237.6)	2320 (91.4)	2636 (103.8)	14 720 (32,452)	59 (3574)

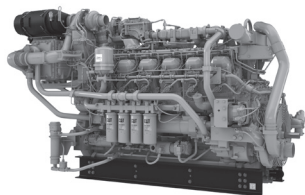
Bore x Stroke – mm (in) 170 x 190 (6.7 x 7.5)

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

Please see spec sheet for more information:

3508C Engine	LEHW0059, LEHW0071	3512C Module	LEHW0068
3512C HD Engine	LEHW0048	3512C (DGB) Module	LEHW0138
3512C HD China III NR	LEHW0241	3512C HD Module	LEHW0013

For diesel engine rating definitions please see page 10.



LAND ELECTRIC-DRIVE DRILLING ENGINE RATINGS

Model	Duty	bkW	bhp	rpm	Emissions
3512E	Drill-EI	1101	1476	1200	EPA T4F NRM
3512E	Drill-EI	1305	1750	1200	EPA T4F NRM

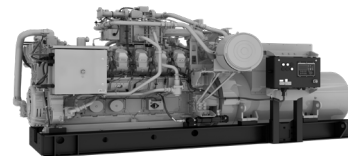
SPECIFICATIONS

	L – mm (in)	W – mm (in)	H – mm (in)	Wt – kg (lbs)	Disp – L (in ³)
3512E Engine	3290 (130)	1817 (72)	1977 (78)	7527 (16,595)	58.9 (3594)
Bore x Stroke – mm (in)	170 x 216 (6.7 x 8.5)				

Aspiration Turbocharged-Aftercooled
Bore x Stroke – mm (in) 170 x 215 (6.7 x 8.5)
Rotation (from flywheel end) Counterclockwise

Please see spec sheet for more information:
 3500E Engine..... LEHW0282

For diesel engine rating definitions please see page 10.



LAND ELECTRIC-DRIVE DRILLING ENGINE RATINGS

Model	Duty	bkW	bhp	rpm	Emissions
G3512	Continuous	1095	1468	1800	EPA NRM, T2

SPECIFICATIONS

	L – mm (in)	W – mm (in)	H – mm (in)	Disp – L (in ³)
G3512 Engine	4979.3 (196.0)	2154.4 (84.8)	2277.1 (89.6)	52 (3173)

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

Please see spec sheet for more information:
 G3512 Engine LEHW20188