INDUSTRIAL ENGINE
RATINGS GUIDE







CAT®
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Customer Value 4

Cat® Engines 5

EU Stage V Engines 6-11

U.S. EPA Tier 4 Final Engines 12-17

China Nonroad Stage IV 18-20

UN ECE R96 Stage IIIA or Below 21-29

Unregulated 30-32

Basic Specifications 33-35

Premium Engines and Components

Able to meet the toughest challenges in the harshest conditions, Cat® engines are built to meet your needs. Easy to repair, service, and rebuild they're ready to deliver a lifetime of low-cost productivity. With Cat Finance packages we can even assist in your product purchase.

Aftermarket Care

Whether you want urgent repairs and parts or just access to quality technical advise, your Cat dealer is always on hand. Our dealer network is available worldwide, offering same-day or next-day delivery and an expert team that manages every aspect of servicing and maintenance.

On-Site Productivity

Reduce machine downtime and running costs to increase the productivity and profitability of your operations. We deliver the latest technology to help you stay ahead of the competition and keep your equipment running at maximum efficiency. Our goal is to make sure you get full value from your engines, right from the start.

The charts represent only a selection of the power ratings available from the Cat industrial engine range and may not yet be in full production. Other emission standards may be available. Contact your local Cat dealer for advice for your power train.

Diesel Engine Ratings Definitions

IND-A: (Continuous): Continuous heavy–duty service where the engine is operated at maximum power and speed up to 100% of the time without interruption or load cycling.

IND-B: For service where power and/or speed are cyclic (time at full load not to exceed 80%).

IND-C: (Intermittent): Is the horsepower and speed capability of the engine where maximum power and/or speed are cyclic (time at full load not to exceed 50%).

IND-D: For service where maximum power is required for periodic overloads (time at full load not to exceed 10% of the duty cycle).

IND-E: For service where maximum power is required for a short time for initial starting or sudden overload. For emergency service where standard power is unavailable (time at full load not to exceed 5% of the duty cycle).

Rating conditions for engines up to and including 7.1 liter displacement are based on ISO/TR14396.

Ratings for engines above 7.1 liter displacement are based on SAEJ1995.

Abbreviations for Engine Aspirations
NA = Naturally Aspirated
T = Turbocharged
TA = Turbocharged and Aftercooled
TTA = Twin turbocharged and Aftercooled

Abbreviations for Aftertreatment
DOC = Diesel Oxidation Catalyst
DPF = Diesel Particulate Filter
SCR = Selective Catalytic Reduction

Information is subject to change without notification.

EU Stage V

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
0.51	C0.5	2	NA	8.8 (11.8)	3000	30 (22)	2100	-	C	-
0.76	C0.7	3	NA	9 (12.1)	2200	40 (30)	1800	-	C	-
				12.2 (16.4)	2800	46 (34)	2000			
				13.3 (17.8)	3600	44 (32)	2400			
1.1	C1.1	3	NA	14.7 (19.7)	2200	67 (49)	2100	-	C	Y
				16.1 (22)	2400	67 (49)	2100			
				18.4 (25)	2800	67 (49)	2100			
			T	18.4 (25)	2400	86 (63)	1600			-
				18.4 (25)	2800	86 (63)	1600			
1.7	C1.7	3	NA	18.4 (25)	2800	85 (63)	1800	-	C	-
				18.4 (25)	2200	92 (68)	1600			
			T	18.4 (25)	2800	90 (66)	1800			
				18.4 (25)	2200	94 (69)	1700			
				36 (48)	2800	166 (122)	1600	DOC+DPF		Y

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
2.2	C2.2	4	T	36 (48)	2800	190 (140)	1600	DOC+DPF	C	Y
				45 (60)	2800	222 (164)	1600			
			TA	45 (60)	2800	235 (173)	1600			
				50 (67)	2800	252 (186)	1600			
				55 (74)	2800	270 (199)	1600			
2.8	C2.8	4	T	55 (74)	2200-2400	265 (195)	1600	DOC+DPF	C	-
				55 (74)	2200-2400	300 (221)	1600			Y
			TA	55 (74)	2200-2400	380 (280)	1360			-
3.6	C3.6	4	TA	55 (74)	2200-2400	424 (313)	1200	DOC+DPF	C	-
				86 (115)	2200-2400	500 (369)	1500	DOC+DPF+SCR		Y
				95 (127)	2000-2400	530 (391)	1500		D	-
				100 (134)	2000-2200	550 (406)	1500			Y
				106 (142)	2200	566 (417)	1500			-

EU Stage V

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
4.4	C4.4	4	TA	82 (110)	2000-2200	450 (332)	1400	DOC+DPF+SCR	C	-
				86 (115)	2000-2200	500 (369)	1400			
				93 (125)	2000-2200	530 (391)	1400			
				102 (137)	2000-2200	560 (413)	1400			Y
				110 (148)	2000-2200	560 (413)	1400			
			TTA	105 (141)	2000-2200	630 (465)	1400			-
				112 (150)	2000-2200	650 (479)	1400			Y
				129 (173)	2000-2200	750 (553)	1400			
				140 (188)	1800-2000	825 (609)	1400			
				150 (201)	2200	825 (609)	1400		D	-

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
7	C7.1	6	TA	129 (173)	1800-2200	842 (621)	1400	DOC+DPF+SCR	C	Y
				129 (173)	2200	842 (621)	1400			-
				151 (202)	1800-2200	870 (642)	1400			Y
				151 (202)	1800-2200	908 (670)	1400			-
			TTA	151 (202)	1800-2200	983 (725)	1400	DOC+DPF+SCR		Y
				186 (249)	1800-2200	1214 (895)	1400			
				205 (275)	1800-2200	1257 (927)	1400			
				225 (302)	1800-2200	1274 (940)	1400			
				239 (320)	2200	1282 (946)	1400		D	-
9.3	C9.3B	6	TA	250 (335)	1800-2200	1537 (1134)	1400	DOC+DPF+SCR	A	Y
				280 (375)	1800-2200	1721 (1269)	1400		B	
				310 (416)	1800-2200	1904 (1404)	1400		C	
				340 (456)	1800-2000	2088 (1540)	1400		D	

EU Stage V

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
12.5	C13B	6	TA	340 (456)	1800-2100	2082 (1536)	1400	DOC+DPF+SCR	A	Y
				370 (496)	1800-2100	2266 (1671)	1400		B	
				400 (536)	1800-2100	2450 (1807)	1400		C	
				430 (577)	1800-2100	2634 (1943)	1400		D	
12.9	C13D	6	TA	340 (456)	1800-2100	2201 (1623)	1300	DOC+DPF+SCR	A	Y
				460 (617)	1800-2100	2901 (2140)	1300			
				480 (644)	1800-2100	3051 (2250)	1300		B	
				500 (670)	1800-2100	3200 (2360)	1300		C	
				515 (691)	1800-2100	3200 (2360)	1300		D	
15.2	C15	6	TA	354 (475)	1800-2100	2174 (1604)	1400	DOC+DPF+SCR	A	Y
				354 (475)	1800-2100	2174 (1604)	1400		B	
				403 (540)	1800-2100	2472 (1823)	1400		C	
				433 (581)	1800-2100	2655 (1958)	1400		D	

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
18.1	C18	6	TA	429 (575)	1800-2000	2694 (1987)	1300	DOC+DPF+SCR	A	Y
				447 (599)	1800-2000	2811 (2073)	1300		B	
				470 (630)	1800-2000	2951 (2177)	1300		C	
			TTA	563 (755)	1800	3501 (2582)	1300	DOC		
				576 (772)	1800	3529 (2603)	1300		D	
				597 (801)	1800	3710 (2736)	1300			
27	C27	12	TA	597 (801)	1800	3711 (2737)	1200	DOC	A	Y
				653 (876)	1800	3984 (2939)	1200		B	
				709 (951)	1800	4354 (3212)	1200		C	
				783 (1050)	1800	4679 (3451)	1200		D	-
32	C32	12	TA	746 (1000)	1800	5186 (3825)	1200	DOC	B	Y
				839 (1125)	1800	5499 (4056)	1200		C	-
78	3516E	16	TA	1566 (2100)	1650	11220 (8276)	1200	SCR	A	-

U.S. EPA Tier 4 Final

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
0.51	C0.5	2	NA	7.5 (10.1)	2800	26 (19.2)	2200	-	C	-
0.76	C0.7	3	NA	8.8 (11.8)	2200	41 (30)	2000	-	C	-
1.1	C1.1	3	NA	14.7 (19.7)	2200	67 (49)	2100	-	C	Y
				16.1 (22)	2400	67 (49)	2100			
				17.8 (24)	2800	65 (48)	2100			
			T	17.8 (24)	2800	82 (60)	1600			-
				17.8 (24)	2400	82 (60)	1600			
1.7	C1.7	3	NA	17.8 (24)	2800	83 (61)	1800	-	C	-
				17.8 (24)	2200	89 (66)	1600			
			T	36 (48)	2800	166 (122)	1600	DOC+DPF		Y

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
2.2	C2.2	4	T	36 (48)	2800	190 (140)	1600	DOC+DPF	C	Y
				45 (60)	2800	222 (164)	1600			
			TA	45 (60)	2800	235 (173)	1600			
				50 (67)	2800	252 (186)	1600			
				55 (74)	2800	270 (199)	1600			
2.8	C2.8	4	T	55 (74)	2200-2400	265 (195)	1600	DOC+DPF	C	-
				55 (74)	2200-2400	300 (221)	1600			Y
			TA	55 (74)	2200-2400	380 (280)	1360			-
3.6	C3.6	4	TA	55 (74)	2200-2400	424 (313)	1200	DOC+DPF	C	-
				86 (115)	2200-2400	500 (369)	1500	DOC+DPF+SCR		Y
				95 (127)	2000-2400	530 (391)	1500		D	-
				100 (134)	2000-2200	550 (406)	1500			Y
				106 (142)	2200	566 (417)	1500			-

U.S. EPA Tier 4 Final

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
4.4	C4.4	4	TA	82 (110)	2000-2200	450 (332)	1400	DOC+DPF+SCR	C	-
				86 (115)	2000-2200	500 (369)	1400			
				93 (125)	2000-2200	530 (391)	1400			
				102 (137)	2000-2200	560 (413)	1400			Y
				110 (148)	2000-2200	560 (413)	1400			
			TTA	105 (141)	2000-2200	630 (465)	1400			-
				112 (150)	2000-2200	650 (479)	1400			Y
				129 (173)	2000-2200	750 (553)	1400			
				140 (188)	1800-2000	825 (609)	1400			
				150 (201)	2200	825 (609)	1400		D	-

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
7	C7.1	6	TA	129 (173)	1800-2200	842 (621)	1400	DOC+DPF+SCR	C	Y
				129 (173)	2200	842 (621)	1400			-
				151 (202)	1800-2200	870 (642)	1400			Y
				151 (202)	1800-2200	908 (670)	1400			-
			TTA	151 (202)	1800-2200	983 (725)	1400	DOC+DPF+SCR		Y
				186 (249)	1800-2200	1214 (895)	1400			
				205 (275)	1800-2200	1257 (927)	1400			
				225 (302)	1800-2200	1274 (940)	1400			
				239 (320)	2200	1282 (946)	1400		D	-
9.3	C9.3B	6	TA	250 (335)	1800-2200	1537 (1134)	1400	DOC+DPF+SCR	A	Y
				280 (375)	1800-2200	1721 (1269)	1400		B	
				310 (416)	1800-2200	1904 (1404)	1400		C	
				340 (456)	1800-2000	2088 (1540)	1400		D	

U.S. EPA Tier 4 Final

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
12.5	C13B	6	TA	340 (456)	1800-2100	2082 (1536)	1400	DOC+DPF+SCR	A	Y
				370 (496)	1800-2100	2266 (1671)	1400		B	
				400 (536)	1800-2100	2450 (1807)	1400		C	
				430 (577)	1800-2100	2634 (1943)	1400		D	
12.9	C13D	6	TA	340 (456)	1800-2100	2201 (1623)	1300	DOC+DPF+SCR	A	Y
				460 (617)	1800-2100	2901 (2140)	1300			
				480 (644)	1800-2100	3051 (2250)	1300		B	
				500 (670)	1800-2100	3200 (2360)	1300		C	
				515 (691)	1800-2100	3200 (2360)	1300		D	
15.2	C15	6	TA	354 (475)	1800-2100	2174 (1604)	1400	DOC+DPF+SCR	A	Y
				354 (475)	1800-2100	2174 (1604)	1400		B	
				403 (540)	1800-2100	2472 (1823)	1400		C	
				433 (581)	1800-2100	2655 (1958)	1400		D	

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
18.1	C18	6	TA	429 (575)	1800-2000	2694 (1987)	1300	DOC+DPF+SCR	A	Y
				447 (599)	1800-2000	2811 (2073)	1300		B	
				470 (630)	1800-2000	2951 (2177)	1300		C	
			TTA	576 (772)	1800	3529 (2603)	1300	DOC	D	
				597 (801)	1800	3710 (2736)	1300			
27	C27	12	TA	597 (801)	1800	3711 (2737)	1200	DOC	A	Y
				653 (876)	1800	3984 (2939)	1200		B	
				709 (951)	1800	4354 (3212)	1200		C	
				783 (1050)	1800	4679 (3451)	1200		D	-
32	C32	12	TA	746 (1000)	1800	5186 (3825)	1200	DOC	B	Y
				839 (1125)	1800	5499 (4056)	1200		C	-
				895 (1200)	1800	5861 (4323)	1200		D	
78	3516E	16	TA	1566 (2100)	1650	11220 (8276)	1200	SCR	A	-

China Nonroad Stage IV

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
1.1	C1.1	3	NA	16.1 (22)	2400	68 (50)	2100	-	C	-
				18.4 (25)	2800	68 (50)	2100			
			T	18.4 (25)	2400	86 (63)	1600			
1.7	C1.7	3	NA	18.9 (25)	2200	98 (72)	1400	-	C	-
2.2	C2.2	4	NA	34 (46)	2400	141 (104)	1800	-	C	-
				36 (48)	2800	140 (103)	1800			
			T	36 (48)	2500	190 (140)	1700			
3.6	C3.6	4	TA	74 (99)	2200	430 (317)	1500	DOC+DPF	C	-
				82 (110)	2200	450 (332)	1500			
4.4	C4.4	4	TA	110 (148)	2000	560 (413)	1400	DOC+DPF	C	-
			TTA	112 (150)	2200	650 (479)	1400			
				117 (157)	1900-2200	730 (538)	1400			
				129 (173)	1900-2200	750 (553)	1400			

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
7	C7.1	6	TA	130 (174)	1800-2200	842 (621)	1400	DOC+DPF+SCR	C	-
				151 (202)	1800-2200	870 (642)	1400			
			TTA	151 (202)	1800-2200	983 (725)	1400			
				168 (225)	1800-2200	1092 (805)	1400			
				186 (249)	1800-2200	1214 (895)	1400			
				205 (275)	1800-2200	1257 (927)	1400			
9.3	C9.3B	6	TA	250 (335)	2200	1537 (1134)	1400	DOC+DPF+SCR	A	Y
				280 (375)	2200	1721 (1269)	1400		B	
				310 (416)	2200	1904 (1404)	1400		C	
				340 (456)	2000	2088 (1540)	1400		D	
12.5	C13B	6	TA	340 (456)	2100	2082 (1536)	1400	DOC+DPF+SCR	A	Y
				370 (496)	2100	2266 (1671)	1400		B	
				400 (536)	2100	2450 (1807)	1400		C	
				430 (577)	2100	2634 (1943)	1400		D	

China Nonroad Stage IV

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
12.9	C13D	6	TA	340 (456)	2100	2201 (1623)	1300	DOC+DPF+SCR	A	Y
				460 (617)	2100	2901 (2140)	1300			
				480 (644)	2100	3051 (2250)	1300		B	
				500 (670)	2100	3200 (2360)	1300		C	
				515 (691)	2100	3200 (2360)	1300		D	
15.2	C15	6	TA	354 (475)	2100	2174 (1604)	1400	DOC+DPF+SCR	A	Y
				354 (475)	2100	2174 (1604)	1400		B	
				403 (540)	2100	2472 (1823)	1400		C	
				433 (581)	2100	2655 (1958)	1400		D	
18.1	C18	6	TA	429 (575)	2000	2694 (1987)	1300	DOC+DPF+SCR	A	Y
				447 (599)	2000	2811 (2073)	1300		B	
				470 (630)	2000	2951 (2177)	1300		C	

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
0.51	C0.5	2	NA	8.2 (11)	2800	30 (22)	2100	-	C	-
				10.2 (13.7)	3600	30 (22)	2600			Y
0.76	C0.7	3	NA	15.3 (21)	3600	50 (37)	2400	-	C	Y
1.1	C1.1	3	NA	19.7 (26)	3000	67 (49)	2100	-	C	Y
				21 (28)	3400	67 (49)	2400			-
1.5	C1.5	3	NA	21 (28)	2200	96 (71)	1800	-	C	Y
				23 (31)	2600	96 (71)	1800			
				24 (32)	2800	96 (71)	1800			
				25 (34)	3000	96 (71)	1800			
			T	27 (36)	2600	112 (83)	1800			-
				29 (39)	2800	112 (83)	1800			
				30 (40)	3000	112 (83)	1800			
1.7	C1.7	3	NA	24 (32)	2400	105 (77)	1800	-	C	-

UN ECE R96 Stage IIIA or Below

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
2.2	C2.2	4	NA	36 (48)	2600	143 (105)	1800	-	C	Y
				37 (50)	2800	143 (105)	1800			
				38 (51)	3000	143 (105)	1800			
			T	43 (58)	2600	185 (136)	1800			
				45 (60)	2800	192 (142)	1800			
				46 (62)	3000	189 (139)	1800			
			TA	49 (66)	2800	200 (148)	1800			
2.8	C2.8	4	T	55 (74)	2200-2400	265 (195)	1600	-	C	-
				55 (74)	2200-2400	300 (221)	1600			
3.3	C3.3	3	NA	37 (50)	2200	189 (139)	1400	-	C	-
			TA	58 (78)	2200	310 (229)	1400			

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
3.6	C3.6	4	TA	55 (74)	2200-2400	424 (313)	1200	-	C	-
				70 (94)	2200-2400	450 (332)	1500			
				82 (110)	2000-2400	500 (369)	1500			
				86 (115)	2000-2400	500 (369)	1500			
				90 (121)	2000-2400	500 (369)	1500			
4.4	C4.4	4	T	75 (101)	2200	392 (289)	1400	-	C	Y
				75 (101)	2200	420 (310)	1400			-
			TA	75 (101)	2200	441 (325)	1400			Y
				82 (110)	2200	486 (358)	1400			
				83 (111)	2200	418 (308)	1400			
				87 (117)	2200	516 (381)	1400			
				97 (130)	2200	516 (381)	1400			
				106 (142)	2200	558 (412)	1400			

UN ECE R96 Stage IIIA or Below

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
7	C7.1	6	TA	112 (150)	2200	672 (496)	1100	-	C	Y
				117 (157)	2200	706 (521)	1400			
				129 (173)	2200	800 (590)	1400			
				129 (173)	2000	900 (664)	1400			
				159 (213)	2200	975 (719)	1400			
				186 (249)	2200	1050 (774)	1400			
				205 (275)	2200	1050 (774)	1400			
7.2	C7	6	TA	168 (225)	1800-2200	1028 (758)	1400	-	B	-
				172 (231)	1800-2200	924 (682)	1650			
				187 (251)	1800-2200	1142 (842)	1400		C	
				205 (275)	1800-2200	1257 (927)	1400			
				224 (300)	2100-2200	1275 (940)	1400		D	

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
9.3	C9.3B	6	TA	230 (308)	1800-2200	1416 (1044)	1400	-	A	Y
				250 (335)	1800-2200	1532 (1130)	1400			
				280 (375)	1800-2200	1715 (1265)	1400		B	
				310 (416)	1800-1900	1810 (1335)	1400		C	
11.1	C11	6	TA	242 (325)	1800-2100	1487 (1097)	1400	-	A	Y
				261 (350)	1800-2100	1596 (1177)	1400		B	
				287 (385)	1800-2100	1760 (1298)	1400		C	
				313 (420)	1800-2100	1919 (1415)	1400		D	
				336 (451)	1800-2100	2056 (1517)	1400		E	
12.5	C13	6	TA	287 (385)	1800-2100	1760 (1298)	1400	-	A	Y
				309 (414)	1800-2100	1896 (1398)	1400		B	
				354 (475)	1800-2100	2094 (1545)	1400		D	
				388 (520)	1800-2100	2215 (1634)	1400		E	
				400 (536)	1800-2000	2122 (1565)	1800		C	

UN ECE R96 Stage IIIA or Below

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
12.9	C13D	6	TA	340 (456)	1800-2100	2201 (1623)	1300	-	A	Y
				370 (496)	1800-2100	2376 (1753)	1300			
				400 (536)	1800-2100	2575 (1899)	1300		B	
				430 (577)	1800-2100	2751 (2029)	1300		C	
14.6	3406C	6	TA	269 (361)	1800	1696 (1251)	1200	-	A	Y
				328 (440)	2000	1920 (1416)	1400		B	
				343 (460)	2100	1989 (1467)	1400		C	
				384 (515)	1900	2316 (1708)	1350		D	
	3406C Fire Pump			218 (292)	1750	-	-		-	-
				321 (430)	2100	-	-			
				339 (455)	2300	-	-			
				343 (460)	1750	-	-			
				360 (483)	2100	-	-			

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
15.2	C15	6	TA	328 (440)	1800-2100	2010 (1483)	1400	-	A	Y
				354 (475)	1800-2100	2171 (1601)	1400		B	
				403 (540)	1800-2100	2464 (1817)	1400		C	
				433 (581)	1800-2100	2649 (1954)	1400		D	
				444 (595)	1800-2100	2719 (2006)	1400		E	
18.1	C18	6	TA	429 (575)	1800-2100	2627 (1938)	1400	-	A	Y
				447 (599)	1800-2100	2742 (2022)	1400		B	
				470 (630)	1800-2100	2768 (2042)	1400		C	
				522 (700)	1800-2100	3201 (2361)	1400			
	C18 Fire Pump			448 (601)	1750-2100	-	-		-	-
				522 (700)	1500-2100	-	-			
				597 (801)	1750-2100	-	-			

UN ECE R96 Stage IIIA or Below

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
27	C27	12	TA	597 (801)	1800-2100	3657 (2697)	1400	-	A	Y
				653 (876)	1800-2100	4000 (2950)	1400		B	
				709 (951)	1800-2100	4322 (3188)	1400		C	
				783 (1050)	1800-2100	4798 (3539)	1400		D	
				858 (1151)	1800-2100	5255 (3876)	1400		E	
32	C32	12	TA	709 (951)	1800-2100	4338 (3200)	1400	-	B	Y
				839 (1125)	1800-2100	5143 (3793)	1400		C	-
				895 (1200)	1800-2100	5484 (4045)	1400		D	
				1007 (1350)	1800-2100	6166 (4548)	1400		E	

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
51.8	3512 Fire Pump	12	TA	1066 (1430)	1460	-	-	-	-	-
				1193 (1600)	1750	-	-			
	3512B			1119 (1501)	1800	6526 (4814)	1450		A	
				1231 (1651)	1800	7178 (5294)	1450		C	
58.6	3512C	12	TA	1120 (1502)	1800	7130 (5259)	1500	-	A	-
69	3516	16	TA	1011 (1356)	1200	8279 (6107)	1000	-	A	-
				1242 (1666)	1300	9211 (6794)	1000		C	
				1275 (1710)	1800	7032 (5187)	1400		A	
				1492 (2001)	1800	8390 (6188)	1400		C	
	3516 Fire Pump			1417 (1900)	1460	-	-		-	
				1480 (1985)	1750	-	-			
78	3516C	16	TA	1566 (2100)	1750	10254 (7563)	1300	-	A	-

Unregulated

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
4.4	3054C	4	NA	64 (86)	2400	302 (223)	1400	-	C	Y
			T	75 (101)	2300	408 (301)	1400			
			TA	97 (130)	2200	500 (369)	1400			
	C4.4		NA	64 (86)	2200	293 (216)	1400			-
			T	81 (109)	2200	404 (298)	1400			
9.3	C9.3B	6	TA	280 (375)	1500-2100	1781 (1314)	1500	-	A	Y
				280 (375)	1500-2100	1781 (1314)	1500		B	
				300 (402)	1500-2000	1911 (1410)	1500		C	
				330 (443)	1500-2000	2102 (1550)	1500		D	
12.5	C13	6	TA	309 (414)	1800-2100	1896 (1398)	1400	-	B	Y
12.9	C13D	6	TA	460 (617)	1800-2100	2901 (2140)	1300	-	A	Y
				480 (644)	1800-2100	3051 (2250)	1300		B	
				500 (670)	1800-2100	3200 (2360)	1300		C	
				515 (691)	1800-2100	3200 (2360)	1300		D	

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
34.5	3508	8	TA	470 (630)	1200	3794 (2798)	1100	-	A	-
				507 (680)	1200	4154 (3064)	1000			
				578 (775)	1800	3179 (2345)	1400			
				638 (856)	1800	3585 (2644)	1400			
				746 (1000)	1800	4263 (3144)	1400		C	
	3508 Fire Pump			709 (951)	1460	-	-		-	
				794 (1065)	1750	-	-			
51.8	3512	12	TA	761 (1021)	1200	6188 (4564)	1400	-	A	-
				858 (1151)	1300	6488 (4786)	1000		C	
				955 (1281)	1800	5116 (3774)	1400		A	
				1119 (1501)	1800	6210 (4580)	1400		C	

Unregulated

Liters	Cat Model	Cylinders	Aspiration	Power kW (hp)	Rated Speed rpm	Maximum Torque Nm (lb ft)	Maximum Torque Speed rpm	Aftertreatment	Rating Type	Available as a Power Unit
110.8	3606	6	TA	1490 (1998)	750	19540 (14413)	615	-	A	-
				1640 (2199)	750	21508 (15864)	615		C	
				1782 (2390)	900	19286 (14225)	720		A	
				1850 (2481)	750-1000	18200 (13424)	820			
147.8	3608	8	TA	2088 (2800)	800	25670 (18934)	656	-	A	-
				2300 (3084)	900	25136 (18540)	720			
				2460 (3299)	800-1000	24700 (18219)	820			
221.7	3612	12	TA	2970 (3983)	750	38950 (28730)	675	-	A	-
				3135 (4204)	900	33729 (24879)	720			
				3460 (4640)	900	37810 (27889)	790			
				3700 (4962)	750-1000	41822 (30848)	800		C	
295.6	3616	16	TA	4050 (5431)	765	56061 (41351)	650	-	A	-
				4600 (6169)	900	50270 (37079)	738			
				4920 (6598)	800-1000	48390 (35692)	820			

All of our engines are offered with a choice of factory configurable options. The weight and dimensions will depend on the final configuration selected to match your machine. The figures in this table are therefore indicative only, and do not include aftertreatment.

Cat Model	Bore mm (in)	Stroke mm (in)	Length mm (in) Front of crank pulley to rear face of flywheel housing.	Width mm (in)	Height mm (in)	Dry Weight kg (lbs)
C0.5	67 (2.6)	72 (2.8)	407 (16)	371 (14.6)	523 (20.6)	57 (126)
C0.7	67 (2.6)	72 (2.8)	480 (18.9)	371 (14.6)	528 (20.8)	71 (157)
C1.1	77 (3)	81 (3.2)	500 (19.7)	513 (20.2)	588 (23.1)	108 (238)
C1.5	84 (3.3)	90 (3.5)	572 (22.5)	541 (21.3)	643 (25.3)	156.5 (345)
C1.7	84 (3.3)	100 (3.9)	719 (28.3)	535 (21.1)	565 (22.2)	190 (419)
C2.2	84 (3.3)	100 (3.9)	808 (31.8)	535 (21.1)	758 (29.8)	242 (534)
C2.8	90 (3.5)	110 (4.3)	633.1 (24.9)	542.5 (21.4)	785.5 (30.9)	320 (706)
C3.3	105 (4.1)	127 (5)	546 (21.5)	586 (23.1)	826 (32.5)	276 (609)
C3.6	98 (3.9)	120 (4.7)	667 (26.3)	564 (22.2)	787 (31)	372 (820)
C4.4	105 (4.1)	127 (5)	631 (24.8)	626 (24.6)	958 (37.7)	360 (794)
C7.1	105 (4.1)	135 (5.3)	1050 (41.3)	668 (26.3)	817 (32.2)	506 (1116)

Basic Specifications

Cat Model	Bore mm (in)	Stroke mm (in)	Length mm (in) Front of crank pulley to rear face of flywheel housing.	Width mm (in)	Height mm (in)	Dry Weight kg (lbs)
C7	110 (4.3)	127 (5)	1053 (41.5)	758 (29.8)	1032 (40.6)	588 (1297)
C9.3B	115 (4.5)	149 (5.9)	1125 (44.3)	791 (31.1)	1068 (42)	865 (1907)
C11	130 (5.1)	140 (5.5)	1203 (47.4)	1054 (41.5)	1186 (46.7)	1138 (2509)
C13	130 (5.1)	157 (6.2)	1295 (51)	1054 (41.5)	1186 (46.7)	1138 (2509)
C13B	130 (5.1)	157 (6.2)	1274 (50.2)	994 (39.1)	1134 (44.6)	1125 (2481)
C13D	130 (5.1)	162 (6.4)	1381 (54.4)	969 (38.1)	1273 (50.1)	1154 (2545)
3406C	137.2 (5.4)	165.1 (6.5)	1660 (65.4)	906 (35.7)	1335 (52.6)	1300 (2866)
3406C Fire Pump	137.2 (5.4)	165.1 (6.5)	1660 (65.4)	906 (35.7)	1335 (52.6)	1300 (2866)
C15	137 (5.4)	171 (6.7)	1438 (56.6)	943 (37.1)	1239 (48.8)	1542 (3400)
C18	145 (5.7)	183 (7.2)	1438 (56.6)	943 (37.1)	1239 (48.8)	1542 (3400)
C18 Fire Pump	145 (5.7)	183 (7.2)	1453 (57.2)	999 (39.3)	1263 (49.7)	1673 (3689)
C27	137 (5.4)	152 (6)	1915 (75.4)	1479 (58.2)	1320 (52)	2946 (6496)
C32	145 (5.7)	162 (6.4)	1880 (74)	1519 (59.8)	1339 (52.7)	2946 (6496)

Cat Model	Bore mm (in)	Stroke mm (in)	Length mm (in) Front of crank pulley to rear face of flywheel housing.	Width mm (in)	Height mm (in)	Dry Weight kg (lbs)
3512 Fire Pump	170 (6.7)	190 (7.5)	2890 (114)	1703 (67)	1743 (68.6)	6350 (14002)
3512B	170 (6.7)	190 (7.5)	3067 (121)	1785 (70.3)	1806 (71.1)	6078 (13402)
3512C	170 (6.7)	215 (8.5)	3067 (121)	1785 (70.3)	1806 (71.1)	6078 (13402)
3516	170 (6.7)	190 (7.5)	3366 (133)	1703 (67)	1720 (67.7)	7484 (16502)
3516 Fire Pump	170 (6.7)	190 (7.5)	3730 (147)	1703 (67)	1902 (74.9)	8074 (17803)
3516C	170 (6.7)	215 (8.5)	3278 (129)	1530 (60.2)	2062 (81.2)	7840 (17287)
3516E	170 (6.7)	215 (8.5)	3105 (122)	1616 (63.6)	2108 (83)	8176 (18028)

Notes

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Materials and specifications are subject to change without notice. Rating ranges listed include the lowest and highest available for a specific engine or family of engines. Load factor and time at rated load and speed will determine the best engine/rating match.

LEGH0002-19 (01-26)

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