

Series 71 specifications for selected models

Family	Model	Torque	Power	Length × Width × Height	Weight
3-71	3-71 ^[3]	299 lb·ft (405 N·m) @ 1400 RPM	109 hp (81 kW) @ 2100 RPM	36 in × 29 in × 41 in 910 mm × 740 mm × 1,040 mm	1,525 lb 692 kg
4-71	4-71 ^{[3][4]}	385–400 lb·ft (522–542 N·m) @ 1600 RPM	140–152 hp (104–113 kW) @ 2100 RPM	42 in × 29 in × 42 in 1,070 mm × 740 mm × 1,070 mm	1,780 lb 807 kg
	4-71T ^[5]	525 lb·ft (712 N·m) @ 1400 RPM	190 hp (142 kW) @ 2100 RPM	44 in × 31 in × 44 in 1,120 mm × 790 mm × 1,120 mm	1,830 lb 830 kg
6-71	6-71 ^{[3][6]}	600–612 lb·ft (813–830 N·m) @ 1600 RPM	218–228 hp (163–170 kW) @ 2100 RPM	54 in × 29 in × 39 in 1,370 mm × 740 mm × 990 mm	2,190 lb 993 kg
	6-71T ^{[5][7]}	762–801 lb·ft (1,033– 1,086 N·m) @ 1400 RPM	275–285 hp (205–213 kW) @ 2100 RPM	56 in × 32 in × 50 in 1,420 mm × 810 mm × 1,270 mm	2,195– 2,240 lb 996– 1,016 kg
	6-71TT ^[8]	853 lb·ft (1,157 N·m) @ 1200 RPM	230 hp (172 kW) @ 1950 RPM	56 in × 32 in × 52 in 1,420 mm × 810 mm × 1,320 mm	2,195 lb 996 kg
6V-71	6V-71 ^{[9][10]}	600 lb·ft (813 N·m) @ 1600 RPM	228 hp (170 kW) @ 2100 RPM	41 in × 39 in × 48 in 1,040 mm × 990 mm × 1,220 mm	2,380 lb 1,080 kg
	6V-71T ^[10]	725 lb·ft (983 N·m) @ 1600 RPM	262 hp (195 kW) @ 2100 RPM	41 in × 40 in × 53 in 1,000 mm × 1,000 mm × 1,300 mm	2,380 lb 1,080 kg
8V-71	8V-71 ^{[9][11]}	800 lb·ft (1,085 N·m) @ 1600 RPM	304 hp (227 kW) @ 2100 RPM	47 in × 39 in × 51 in 1,190 mm × 990 mm × 1,300 mm	2,900 lb 1,315 kg
	8V-71T ^[11]	965 lb·ft (1,308 N·m) @ 1600 RPM	350 hp (261 kW) @ 2100 RPM	50 in × 40 in × 53 in 1,300 mm × 1,000 mm × 1,300 mm	2,495 lb 1,132 kg
	8V-71TA ^[12]	1,064 lb·ft (1,443 N·m) @ 1200 RPM	360 hp (268 kW) @ 2100 RPM	50 in × 40 in × 53 in 1,300 mm × 1,000 mm × 1,300 mm	2,415 lb 1,095 kg

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	8V-71TTA ^{[12]>}	1,064 lb·ft (1,443 N·m) @ 1600 RPM	305 hp (227 kW) @ 2100 RPM	43 in × 38 in × 49 in 1,090 mm × 970 mm × 1,240 mm	2,415 lb 1,095 kg
12V-71	12V-71 ^{[9][13]}	1,200 lb·ft (1,627 N·m) @ 1600 RPM	456 hp (340 kW) @ 2100 RPM	60 in × 46 in × 58 in 1,500 mm × 1,200 mm × 1,500 mm	3,210 lb 1,456 kg
	12V-71T ^[13]	1,450 lb·ft (1,966 N·m) @ 1600 RPM	525 hp (391 kW) @ 2100 RPM	70 in × 46 in × 55 in 1,800 mm × 1,200 mm × 1,400 mm	3,550 lb 1,610 kg
16V-71 (two joined 8V71 engine blocks)	16V-71T ^[14]	2,150 lb·ft (2,915 N·m) @ 1600 RPM	800 hp (597 kW) @ 2100 RPM	79 in × 47 in × 59 in 2,000 mm × 1,200 mm × 1,500 mm	4,820 lb 2,186 kg

Further developments

WWII General Motors 6004/6046 engine

The inline 6-71 was adapted to British requirements as the power plant for Canadian (and later British) built Valentine tanks where it was known as the GMC 6004, orders being placed in late September 1940.^[15]

The **6046 Diesel** was a twin engine setup used by US and British tanks and tank destroyers.

- The M3A3 (Lee IV/Lee V) and M3A5 (Grant II) variants of the M3 tank
- M4A2 Sherman tank
- M10 tank destroyer and the re-gunned British variant the 17pdr SP Achilles
- M36B2 variant of the M36 tank destroyer

Detroit diesel 6051 quad-71

The Detroit diesel 6051 quad-71 was a Detroit Diesel Series 6-71 side by side tandem engine setup of two banks of four engines each driving two propeller shafts in Landing Craft Infantry LCI(L). The eight engines produced a total of 1,600 bhp (1,193 kW).^[16]

Soviet/Russian copies

In the Soviet Union / Russia, various versions of this engine-type were produced at the Yaroslavl automobile factory (YaAZ).^[17] Throughout World War II, the 4-71 engine both in locally assembled form (built by Lend-Lease provided American industrial equipment) and from USA-supplied kits had been used for Ya-12 light artillery tractors^[18] and trucks. After 1945, the 4-71 engine entered production in a slightly modified configuration to suit the conditions of the Soviet Union branded "YaAZ-204".^[17] After 1947 the factory used a copy of the 6-71 engine branded "YaAZ-206" in the YaAZ 200 / 210 / 214 series of heavy trucks built from 1947 to 1960. Production was transferred to KrAZ in Kremenchug, Ukraine in 1959, where newer versions of the YaAZ-206 stood in production until the appearance of the four-stroke V8-engined KrAZ-255 in 1967.^{[19][20][21][22][23]}