

FUEL CONSUMPTION TABLES AND LOAD FACTOR GUIDES

TRACK-TYPE TRACTORS

Model	Low		Medium		High	
	liter	U.S. gal	liter	U.S. gal	liter	U.S. gal
D3K2 ³	7.6	2.0	8.7	2.3	15.5	4.1
D4K2 ³	8.3	2.2	9.5	2.5	15.9	4.2
D5K2 ³	8.7	2.3	9.9	2.6	16.7	4.4
D3K2 ¹	6.8	1.8	7.6	2.0	15.2	4.0
D4K2 ¹	7.6	2.0	8.3	2.2	15.5	4.1
D5K2 ¹	8.0	2.1	8.7	2.3	15.9	4.2
D5R	12.1-15.1	3.2-4.0	15.1-20.0	4.0-5.3	20.0-26.4	5.3-6.9
D6K2 ³	—	—	12.0	3.2	—	—
D6K2 ¹	—	—	11.3	3.0	—	—
D6N ³	12.1-15.1	3.2-4.0	15.1-20.0	4.0-5.3	20.0-26.4	5.3-6.9
D6N ²	9.9-13.3	2.6-3.5	13.3-17.5	3.5-4.6	17.5-24.9	4.6-6.6
D6R (130 kW/175 hp)	13.2-18.9	3.5-5.0	18.9-24.6	5.0-6.5	24.6-30.3	6.5-8.0
D6R (145 kW/195 hp)	14.8-21.2	3.9-5.6	21.2-27.3	5.6-7.2	27.3-33.7	7.2-8.9
D6T (138 kW/185 hp)	15.5-22.3	4.1-5.9	22.3-28.8	5.9-7.6	28.8-35.6	7.6-9.4
D6T ¹	15.0-21.3	4.0-5.6	21.3-27.7	5.6-7.3	27.7-34.0	7.3-9.0
D7E ¹	13.6-19.3	3.6-5.1	19.3-25.2	5.1-6.7	25.2-31.8	6.7-8.4
D7R	17.8-24.4	4.7-6.5	24.4-31.0	6.5-8.2	31.0-37.6	8.2-9.9
D8R	22.5-32.0	6.0-8.5	32.0-41.5	8.5-11.0	41.5-51.0	11.0-13.5
D8T ³	23.5-33.7	6.2-8.9	33.7-43.5	8.9-11.5	43.9-53.7	11.6-14.2
D8T ¹	23.7-34.3	6.3-9.1	34.3-44.2	9.1-11.7	44.1-54.2	11.7-14.3
D9T ³	30.3-43.1	8.0-11.4	43.1-56.4	11.4-14.9	56.4-69.3	14.9-18.3
D9T ⁴	28.2-40.1	7.4-10.6	40.1-52.5	10.6-13.9	52.5-64.4	13.9-17.0
D9T ¹	31.2-44.4	8.2-11.7	44.4-58.1	11.7-15.3	58.1-71.4	15.3-18.9
D10T2 ⁶	39.5-56.3	10.4-14.9	56.3-73.3	14.9-19.4	73.3-90.2	19.4-23.9
D10T2 ⁵	43.0-61.3	11.4-16.3	61.3-79.8	16.3-21.1	79.8-98.2	21.1-26.0
D11T ⁶	59.6-85.2	15.8-22.5	85.2-110.7	22.5-29.3	110.7-136.3	29.3-36.0
D11T ⁵	60.3-86.1	15.9-22.8	86.1-112.0	22.8-29.6	112.0-137.8	29.6-36.4

¹ Meets U.S. EPA Tier 4 Final/EU Stage IV/Japan 2014 (Tier 4 Final) emission standards — Calculations include DEF.

² Meets Tier 4 Interim/Stage II B/Japan 2011 (Tier 4 Interim) equivalent emission standards.

³ Meets Tier 3/Stage III A/Japan 2006 (Tier 3) equivalent emission standards.

⁴ Meets Tier 2/Stage II/Japan 2001 (Tier 2) equivalent emission standards.

⁵ Meets Tier 4 Final emission standards.

⁶ Meets Tier 2 equivalent emission standards.

Typical Application Description

(relative to work application)

Low Pulling scrapers, most agricultural drawbar, stockpile, coal pile and finish grade applications. No impact. Intermittent full throttle operation.

Medium Production dozing in clays, sands, gravels. Push loading scrapers, borrow pit ripping, most land clearing applications. Medium impact conditions. Production landfill work.

High Heavy rock ripping. Push loading and dozing in hard rock. Working on rock surfaces. Continuous high impact conditions.

Load Factor Guide

(average engine load factor based on application description for each range)

Low 35%-50%

Medium 50%-65%

High 65%-80%

Product Link™ Information — Product link measured over hundreds of Track-Type Tractors shows that more than 90% of the machines experience an average fuel consumption equal to or lower than those shown in the Medium Application profile.

- Track-Type Tractors
- Agricultural Tractors

FUEL CONSUMPTION TABLES & LOAD FACTOR GUIDES

TRACK-TYPE TRACTORS

Model	Low		Medium		High	
	liter	U.S. gal	liter	U.S. gal	liter	U.S. gal
D3C & LGP Series III	4-7½	1-2	7½-11	2-3	9½-13	2½-3½
D4C & LGP Series III	5½-9½	1½-2½	9½-13	2½-3½	11-15	3-4
D5C & LGP Series III	5½-9½	1½-2½	9½-13	2½-3½	13-17	3½-4½
D4E	5½-9½	1½-2½	9½-13	2½-3½	11-15	3-4
D5M XL & LGP	6-10½	1½-3	10½-14½	3-4	12½-17	3½-4½
D5B	9½-13	2½-3½	11-17	3-4½	15-21	4-5½
D6M XL & LGP	11-15	3-4	12½-19½	3½-5	17-24	4½-6½
D6G	11-20½	3½-5	15½-21	4-6	23-28½	6-7½
D6R XL, XR & LGP	13-22½	3½-6	17½-25	4½-6½	25-30½	6½-8½
D7G Series II*	19-25	5-6½	26-34	7-9	32-40	8½-10½
D7R XR & LGP	19-23	5-6	25-28	6½-7½	32-36	8½-10
D8R & LGP	23-28	6-7½	28-38	7½-10	38-51	10-13½
D9R	36-47	9½-12½	47-58	12½-15½	60-76	16-20
D10R	44-59	11½-15½	59-76	15½-20	76-93	20-24½
D11R	62-87	16½-23	87-112	23-29½	112-134	29½-35½

*D7G fuel consumption data is based on a precombustion chamber equipped engine. Fuel consumption for a direct injection equipped D7G should be approximately 10% less.

AGRICULTURAL TRACTORS

Model	Low		Medium		High	
	liter	U.S. gal	liter	U.S. gal	liter	U.S. gal
D4E SR	5½-9½	1½-2½	9½-13	2½-3½	11-15	3-4
D6G SR	11-19	3-5	15-21	4-5½	21-26	5½-7
Challenger 35	9½-21	2½-5½	21-32	5½-8½	32-42	8½-11
Challenger 45	9½-23	2½-6	23-38	6-10	38-45	10-12
Challenger 55	11-26	3-7	26-42	7-11	42-53	11-14
Challenger 65E	34-42	9-11	42-49	11-13	49-61	13-16
Challenger 75E	34-42	9-11	42-49	11-13	53-64	14-17
Challenger 85E	34-42	9-11	42-53	11-14	53-61	14-16
Challenger 95E	34-42	9-11	45-57	12-15	57-72	15-19

LOAD FACTOR GUIDE

High: Steady ripping, shuttle pushloading and downhill dozing. Agricultural drawbar work at full throttle, engine lugged to max. power most of the time. Little or no idling or travel in reverse.

Medium: Production dozing, pulling scrapers, most pushloading. Agricultural drawbar work at full throttle but not always lugging engine. Some idling and some travel with no load.

Low: Considerable idling or travel with no load.