CATERPILLAR OEM SOLUTIONS



OFF-HIGHWAY TRUCK BARE CHASSIS SELECTION GUIDE

770 | 772 | 773 (05) | 775 (07) | 777 (05) | 777 (07)

785 | 785 (04) | 789 (04)

BUILT FOR THE WORK YOU DO.

Cat® off-highway truck chassis can be leveraged for a variety of final machines, including water trucks, tow tractors, and fuel / lube trucks. These specialty machines have been proven in construction, quarries, and mining projects worldwide.

And with a wide selection of off-highway truck bare chassis, you get exactly what you need: a rugged, reliable platform that's built for the most important application of all—yours.



DESIGNED TO WORK HARDER… AND SMARTER.

Besides being tough, Cat off-highway truck bare chassis feature cutting-edge technology to increase productivity and lower operating costs.

- **Advanced Productivity Electronic Control Strategy (APECS)** controls smooth-shifting transmissions, delivering improved acceleration and high productivity with low fuel consumption.
- **Vital Information Management System (VIMS)** allows you access to production data, machine health, and truck operation statistics. With this data you can make informed decisions on operator training, haul road efficiency, and scheduled service intervals. In addition, VIMS reports on event logging, idle time, and fuel usage.
- **While each Cat truck offers something different for every application,** they all have one very important thing in common: They're all designed, engineered and manufactured by Caterpillar. This integration ensures that the entire truck can be fully optimized to deliver the highest levels of efficiency for your operations.


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MACHINE OPERATING WEIGHTS

The bare chassis weight and the maximum gross vehicle weights are listed in these tables.
Care must be taken when designing any attachments so that the axle weights are not exceeded.

	Front Axle		Rear Axle		Total Weight	
	kg	lb	kg	lb	kg	lb
770 Bare Chassis						
Gross Vehicle Weight (Target)	24 213	53,380	47 001	103,620	71 214	157,000
770 with Hoist Cylinders (LRC)						
Bare Chassis Weight	15 014	33,100	10 009	22,066	25 023	55,166
Payload	9199	20,280	36 988	81,544	46 191	101,834
770 without Hoist Cylinders (LRC)						
Bare Chassis Weight	14 794	32,614	9862	21,743	24 656	54,357
Payload	9419	20,766	37 139	81,877	46 558	102,643
770 with Hoist Cylinders (HRC)						
Bare Chassis Weight	15 328	33,792	10 218	22,528	25 546	56,319
Payload	8885	19,588	36 783	81,092	45 668	100,681
770 without Hoist Cylinders (HRC)						
Bare Chassis Weight	15 107	33,306	10 072	22,204	25 179	55,510
Payload	9105	20,074	36 930	81,416	46 035	101,490
772 Bare Chassis						
Gross Vehicle Weight (Target)	27 914	61,540	54 186	119,460	82 100	180,999
772 with Hoist Cylinders (LRC)						
Bare Chassis Weight	16 118	35,534	10 745	23,689	26 863	59,223
Payload	11 823	26,066	43 441	95,771	55 237	121,776
772 without Hoist Cylinders (LRC)						
Bare Chassis Weight	15 898	35,048	10 598	23,365	26 496	58,414
Payload	12 017	26,492	43 588	96,095	55 604	122,585
772 with Hoist Cylinders (HRC)						
Bare Chassis Weight	16 432	36,225	10 954	24,150	27 386	60,376
Payload	11 483	25,315	43 232	95,310	54 714	120,623
772 without Hoist Cylinders (HRC)						
Bare Chassis Weight	16 211	35,740	10 808	23,827	27 019	59,567
Payload	11 703	25,800	43 378	95,633	55 081	121,432
773 (05) Bare Chassis						
Gross Vehicle Weight (Target)	33 563	73,995	65 737	144,925	99 300	218,920
773 (05) with Hoist Cylinders (LRC)						
Bare Chassis Weight	18 282	40,305	14 133	31,158	32 415	71,463
Payload	14 487	31,938	52 398	115,518	66 885	147,456
773 (05) without Hoist Cylinders (LRC)						
Bare Chassis Weight	17 938	39,547	13 867	30,571	31 805	70,118
Payload	14 831	32,697	52 664	116,104	67 495	148,801

	Front Axle		Rear Axle		Total Weight	
	kg	lb	kg	lb	kg	lb
775 (07) Bare Chassis						
Gross Vehicle Weight (Target)	34 237	75,480	66 461	146,521	111 812	246,503
775 (07) with Hoist Cylinders (LRC)						
Bare Chassis Weight	21 500	47,399	13 121	28,928	34 621	76,326
Payload	27 017	59,562	50 174	110,615	77 191	170,177
775 (07) without Hoist Cylinders (LRC)						
Bare Chassis Weight	21 159	46,648	12 914	28,470	34 073	75,118
Payload	27 209	59,985	50 530	111,400	77 739	171,385
775 (07) with Hoist Cylinders (HRC)						
Bare Chassis Weight	22 086	48,691	13 195	29,090	35 281	77,781
Payload	26 786	59,053	49 745	109,669	76 531	168,722
775 (07) without Hoist Cylinders (HRC)						
Bare Chassis Weight	21 743	47,935	12 990	28,638	34 733	76,573
Payload	26 978	59,475	50 101	110,454	77 079	169,930
777 (07) Bare Chassis						
Gross Vehicle Weight (Target)	54 336	119,790	110 318	243,210	164 654	363,000
777 (07) with Hoist Cylinders (LRC)						
Bare Chassis Weight	26 698	58,859	24 990	55,094	51 740	114,067
Payload	27 638	60,931	85 328	188,115	112 914	248,933
777 (07) without Hoist Cylinders (LRC)						
Bare Chassis Weight	26 098	57,537	24 429	53,857	50 578	111,505
Payload	28 238	62,253	85 889	189,353	114 076	251,495
777 (07) with Hoist Cylinders (HRC)						
Bare Chassis Weight	26 976	59,452	25 243	55,650	52 262	115,218
Payload	27 369	60,337	85 076	187,559	112 392	247,782
777 (07) without Hoist Cylinders (HRC)						
Bare Chassis Weight	26 368	58,131	24 681	54,413	51 100	112,656
Payload	27 968	61,659	85 637	188,797	113 550	250,335
777 (05) Bare Chassis						
Gross Vehicle Weight (Target)	53 909	118,848	109 451	241,298	163 360	360,147
777 (05) with Hoist Cylinders (LRC)						
Bare Chassis Weight	27 097	59,740	24 224	53,404	51 321	113,143
Payload	26 811	59,109	85 228	187,895	112 039	247,003
777 (05) without Hoist Cylinders (LRC)						
Bare Chassis Weight	26 266	57,907	23 481	51,766	49 747	109,673
Payload	27 642	60,941	85 971	189,533	113 613	250,473

LRC = Lesser Regulated Countries. **HRC** = Highly Regulated Countries. Weights include lubricant, coolant and 100% fuel.

	Front Axle		Rear Axle		Total Weight	
	kg	lb	kg	lb	kg	lb
785 Bare Chassis						
Gross Vehicle Weight (Target)	82 327	181,499	167 148	368,498	249 476	550,000
785 with Hoist Cylinders (LRC)						
Bare Chassis Weight	47 435	104,576	38 188	84,190	85 623	188,766
Payload	34 892	76,923	128 960	284,308	163 853	361,234
785 without Hoist Cylinders (LRC)						
Bare Chassis Weight	46 383	102,257	37 341	82,322	83 725	184,582
Payload	35 944	79,242	129 807	286,175	165 751	365,418
785 with Hoist Cylinders (HRC)						
Bare Chassis Weight	48 060	105,954	38 690	85,296	86 751	191,253
Payload	34 267	75,545	128 458	283,201	162 725	358,747
785 without Hoist Cylinders (HRC)						
Bare Chassis Weight	47 008	103,634	37 844	83,431	84 853	187,068
Payload	35 319	77,865	129 304	285,066	164 623	362,931
785 (04) Bare Chassis						
Gross Vehicle Weight (Target)	83 076	183,150	166 401	366,850	249 476	550,000
785 (04) with Hoist Cylinders (LRC)						
Bare Chassis Weight	43 677	96,290	38 345	84,537	82 022	180,827
Payload	39 399	86,860	128 055	282,313	167 454	369,173
785 (04) without Hoist Cylinders (LRC)						
Bare Chassis Weight	43 133	95,091	37 294	82,218	80 426	177,309
Payload	39 943	88,059	129 107	284,632	169 050	372,691
789 (04) Bare Chassis						
Gross Vehicle Weight (Target)	106 880	235,630	213 120	469,848	320 000	705,478
789 (04) with Hoist Cylinders (LRC)						
Bare Chassis Weight	57 657	127,112	46 043	101,507	103 700	228,619
Payload	49 223	108,518	167 077	368,341	216 300	476,859
789 (04) without Hoist Cylinders (LRC)						
Bare Chassis Weight	56 234	123,975	44 906	99,000	101 140	222,975
Payload	50 646	111,655	168 214	370,848	218 860	482,503

LRC = Lesser Regulated Countries. **HRC** = Highly Regulated Countries. Weights include lubricant, coolant and 100% fuel.
The 773 (05), 777 (05), 785 (04), and 789 (04) are only offered for lesser regulated countries.

CAT OFF-HIGHWAY BARE CHASSIS LINEUP
BACKED BY THE GLOBAL CAT DEALER NETWORK



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- Expert service & advice
- Integrated solutions
- Customer value agreements
- Upgrades & retrofit kits
- Fast, efficient parts fulfillment
- World-class rebuilds
- Remanufacturing and more

CUSTOMIZATION FOR YOUR APPLICATION.

Cat chassis are the right choice for a variety of specialty purpose-built machines:







The Cat Water Delivery System (WDS) is available as an optional attachment and includes a hydraulic pump and motor, a water pump, spray heads, and controls in the cab. WDS provides variable water flow based on truck speed and determines appropriate flow to conserve water.

Trailer arrangements include: Axle, A-Frame, Suspension, Wheel/Brake Groups, and Rims. Custom brake control software integrates with the off-highway truck brake and traction control systems.

Cat bare chassis can be configured to work as a fuel / lube truck for your job site. These trucks are critical to keeping your operation up and running – offering refueling, maintenance, and service options wherever you need them.


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GET IT ALL FROM A SINGLE SOURCE.

Along with offering a bare chassis, your Cat dealer can coordinate the activity of the OEM manufacturer with Caterpillar application and integration support, resulting in a simple, easy-to-manage acquisition process… and one tough machine that's built for your special-purpose needs.



For more information on Cat Articulated Truck Bare Chassis, contact OEM Solutions:
oem_solutions@cat.com | www.cat.com/oemsolutions

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