

# Chapter 3

## SPECIFICATIONS

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1. MODEL LINE-UP
2. WEIGHTS AND DIMENSIONS
3. WEIGHT DISTRIBUTION OF THE OPTIONAL EQUIPMENT
4. CAUTIONS TO INSTALL VARIOUS KIND OF BODY

## 1. MODEL LINE-UP

Unit:mm(in)

Model code	Engine	Rr suspension	Cab type	Transmission (T/M)	Wheelbase					
					M	P	R	T	V	X
					5207 (205)	5512 (217)	5969 (235)	6426 (253)	6883 (271)	7341 (289)
NHC2	L9 (300HP)	AIR	Day	AUTO T/M (ALLISON 3000RDS(6AT))	●	●	●	●	●	●
				AUTO T/M (ALLISON 3500RDS(6AT))	●	●	●	●	●	●
				AUTO T/M (ALLISON 3000HS(6AT))	●	●	●	●	●	●

Model code	Engine	Rr suspension	Cab type	Transmission (T/M)	Wheelbase							Unit:mm(in)
					K	L	N	R	U	U (opt)	V	
					4623 (182)	4928 (194)	5436 (214)	5918 (233)	6629 (261)	6731 (265)	6985 (275)	7137 (281)
NMC2	L9 (300HP)	AIR	Day	AUTO T/M (ALLISON 3000RDS(6AT))				●	●	●	●	●
				AUTO T/M (ALLISON 3500RDS(6AT))				●	●	●	●	●
				AUTO T/M (ALLISON 3000HS(6AT))				●	●	●	●	●
	L9 (360HP)	AIR	Day	AUTO T/M (ALLISON 3000RDS(6AT))	●	●	●	●	●	●	●	●
				AUTO T/M (ALLISON 3000HS(6AT))	●	●	●	●	●	●	●	●

## 2. WEIGHTS AND DIMENSIONS

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See to the Excel data in bookmarks for weights and dimensions.

- GVW Capacity and GAW Capacity listed in the Excel data must not be exceeded.
- Chassis weight: On Std. Spec. filled with lubricants coolant and fuel, but without spare tire and Std. tool sets.
- All specifications of the products are within normal manufacturing allowances and tolerances.

### 3. WEIGHT DISTRIBUTION OF THE OPTIONAL EQUIPMENT

The table of option weight shows the difference weight with standard specifications.

CONTENT OF OPTION		WEIGHT kg (lb.)	GRAVITY POSITION FROM F.A.C. m (ft.)	MOMENT FROM F.A.C. kg-m (lb-ft)	W/B mm (in)	REMARKS
SEATING CAPACITY	2	-4 (-9)	1.16 (3.8)	(-33.47)	ALL	
FUEL TANK (WITH FUEL)	340L(90GAL) x 1	154 (340)	1.73 (5.68)	(1927.02)	ALL	
	189L(50GAL) x 2	206 (454)	1.945 (6.38)	(2898.05)	ALL	
	454L(120GAL) x 1	274 (604)	1.97 (6.46)	(3904.23)	ALL	
STANDARD BATTERY BOX	GR31 x 3	25 (56)	0.81 (2.66)	(147.64)	ALL	
	AGM x 2	11 (24)	0.81 (2.66)	(64.45)	ALL	
	AGM x 3	42 (92)	0.81 (2.66)	(244.31)	ALL	
	ODYSSEY x 2	12 (27)	0.81 (2.66)	(71.48)	ALL	
	ODYSSEY x 3	44 (96)	0.81 (2.66)	(254.86)	ALL	
EXHAUST	STACK TAIL - TRUCK	49 (108)	1.46 (4.79)	(517.45)	ALL	
TOW HOOKS	LESS	-5 (-12)	-1.00 (-3.28)	(39.06)	ALL	
FRONT BUMPER	STEEL	10 (21)	-1.05 (-3.44)	(-72.15)	ALL	
	STL + 4"	20 (45)	-1.15 (-3.77)	(-168.85)	ALL	
	RESIN + 4"	11 (24)	-1.15 (-3.77)	(-89.83)	ALL	
	LESS	-27 (-60)	-1.05 (-3.44)	(206.57)	ALL	
FRAME 4x2 79" to 97" ROH	B section ROH 2464mm(97in)	35 (77)			ALL	
	D section ROH 2464mm(97in)	50 (110)			ALL	
FRONT AXLE	DANA E1252RW Disc for 12k	28 (61)			ALL	Unsprung weight
	DANA E1462W Drum for 13.2k to 14.6k	18 (40)			ALL	Unsprung weight
	DANA E1462W Disc for 13.2k to 14.6k	46 (101)			ALL	Unsprung weight
	DANA D2000F Drum for 16k	98 (216)			ALL	Unsprung weight
	DANA D2000F Disc for 16k	126 (277)			ALL	Unsprung weight
FRONT SUSPENSION	Leaf 14.6k	33 (73)			ALL	Unsprung weight
	Leaf 16k	31 (67)			ALL	Unsprung weight
REAR AXLE 4X2	DANA S23 172 Air Drum	0 (0)			ALL	Unsprung weight
	DANA S23 172 Air Disc	-32 (-71)			ALL	Unsprung weight
REAR SUSPENSION 4X2	Air 21k	0 (0)	at rear axle center line		ALL	STD - Air
	Air 23k SD	35 (76)	at rear axle center line		ALL	Unsprung weight
REAR AXLE 6X4	DANA DSH40 Air Drum	0 (0)			ALL	STD - Air
	DANA DSH40 Air Disc	-63 (-139)			ALL	Unsprung weight
	DANA D46 172 Air Drum	189 (417)			ALL	Unsprung weight
	DANA D46 172 Air Disc	109 (240)			ALL	Unsprung weight
REAR SUSPENSION 6X4	Air 40k	0 (0)	at rear trunnion center line		ALL	STD - Air
	Air 46k	99 (218)	at rear trunnion center line		ALL	Unsprung weight

## MODEL : NHC2

## DETAIL OF OPTION TIRE

STD /OPT	Front Tire size	Front		Rear Tire size	Rear		The difference kg (lb)	
		RIB/LUG	Maker Pattern		RIB/LUG	Maker Pattern	Front Axle	Rear Axle
STD	11R22.5 - 14	RIB	Bridgestone R268 (G)	11R22.5 - 14	LUG	Bridgestone M760 (G)		
OPT	11R22.5 - 14	RIB	Bridgestone R268 (G)	11R22.5 - 14	RIB	Bridgestone R268 (G)	0 (0)	-24 (-52)
	11R22.5 - 16	RIB	Bridgestone R268 (H)	11R22.5 - 16	RIB	Bridgestone R268 (H)	1 (2)	-22 (-48)
					LUG	Bridgestone M799		-20 (-44)
	295/75R22.5 - 16	RIB	Bridgestone R268 (H)	295/75R22.5 - 16	RIB	Bridgestone R268 (H)	-4 (-9)	-29 (-64)
	12R22.5 - 16	RIB	Bridgestone R268 (H)	11R22.5 - 14	RIB	Bridgestone R268 (G)	17 (37)	-24 (-52)
					LUG	Bridgestone M760 (G)	17 (37)	0 (0)
				11R22.5 - 16	RIB	Bridgestone R268 (H)	1 (2)	-22 (-48)
					LUG	Bridgestone M799		-20 (-44)
				12R22.5 - 16	RIB	Bridgestone R268 (H)	17 (37)	7 (16)
					RIB	Bridgestone R268 (G)	17 (37)	-24 (-52)
	315/80R22.5 - 20	RIB	Bridgestone M870	11R22.5 - 14	LUG	Bridgestone M760 (G)	17 (37)	0 (0)
					RIB	Bridgestone R268 (H)	1 (2)	-22 (-48)
				11R22.5 - 16	LUG	Bridgestone M799		-20 (-44)
					RIB	Bridgestone R268 (G)	-4 (-8)	-31 (-68)
				295/75R22.5 - 14	LUG	Bridgestone M726ELA		-16 (-36)
					N/A		42 (92)	N/A

## DETAIL OF OPTION WHEEL

STD /OPT	Disk size	Front	Rear	The difference kg (lb)	
		Rim width mm (in.)	Rim width mm (in.)	Front Axle	Rear Axle
STD	FR & RR 22.5X8.25 STEEL	8.25	8.25		
OPT	FR & RR 22.5X8.25 ALUMINUM	210 (8.25)	210 (8.25)	-24 (-52)	-47 (-104)
	FR 22.5X8.25 ALUMINUM RR 22.5X8.25 ALUMINUM/STEEL			-24 (-52)	-24 (-52)
	FR & RR 22.5X9.00 STEEL	228 (9.00)	228 (9.00)	39 (86)	78 (172)
	FR & RR 22.5X9.00 ALUMINUM			-6 (-14)	-13 (-28)
	FR 22.5X9.00 ALUMINUM RR 22.5X9.00 ALUMINUM/STEEL			-6 (-14)	33 (72)
	22.5xFR 9.00 - RR 8.25 STEEL		210 (8.25)	39 (86)	0 (0)
	22.5xFR 9.00 - RR 8.25 ALUMINUM			-6 (-14)	-47 (-104)
	FR 22.5X9.00 ALUMINUM RR 22.5X8.25 ALUMINUM/STEEL			-6 (-14)	-24 (-52)

## MODEL : NMC2

## DETAIL OF OPTION TIRE

STD /OPT	Front Tire size	Front		Rear Tire size	Rear		The difference kg (lb)	
		RIB/LUG	Maker Pattern		RIB/LUG	Maker Pattern	Front Axle	Rear Axle
STD	12R22.5 - 16	RIB	Bridgestone R268 (H)	11R22.5 - 14	LUG	Bridgestone M760 (G)		
OPT	11R22.5 - 16	RIB	Bridgestone R268 (H)	11R22.5 - 16	RIB	Bridgestone R268 (H)	-14 (-32)	4 (9)
					LUG	Bridgestone M799		4 (9)
				455/55R22.5 - 22	LUG	Bridgestone M845		-47 (-103)
	295/75R22.5 - 16	RIB	Bridgestone R268 (H)	295/75R22.5 - 16	RIB	Bridgestone R268 (H)	-19 (-42)	-11 (-25)
				455/55R22.5 - 22	LUG	Bridgestone M845		-47 (-103)
	12R22.5 - 16	RIB	Bridgestone R268 (H)	11R22.5 - 14	RIB	Bridgestone R268 (G)	0 (0)	0 (0)
				11R22.5 - 16	RIB	Bridgestone R268 (H)		4 (9)
					LUG	Bridgestone M799		4 (9)
				12R22.5 - 16	RIB	Bridgestone R268 (H)		62 (136)
				455/55R22.5 - 22	LUG	Bridgestone M845		-47 (-103)
	315/80R22.5 - 20	RIB	Bridgestone M870	11R22.5 - 16	RIB	Bridgestone R268 (H)	26 (58)	4 (9)
					LUG	Bridgestone M799		4 (9)
				295/75R22.5 - 14	RIB	Bridgestone R268 (G)		-16 (-35)
					LUG	Bridgestone M726ELA		-13 (-28)
				295/75R22.5 - 16	RIB	Bridgestone R268 (H)		-11 (-25)
				315/80R22.5 - 20	RIB	Bridgestone M870		167 (369)
				455/55R22.5 - 22	LUG	Bridgestone M845		-47 (-103)

## DETAIL OF OPTION WHEEL

STD /OPT	Disk size	Front	Rear	The difference kg (lb)	
		Rim width mm (in.)	Rim width mm (in.)	Front Axle	Rear Axle
STD	22.5XFR 9.00 - RR 8.25 STEEL	9.00	8.25		
OPT	FR & RR 22.5X8.25 STEEL	210 (8.25)	210 (8.25)	-39 (-86)	0 (0)
	FR & RR 22.5X8.25 ALUMINUM			-62 (-136)	-91 (-200)
	FR 22.5X8.25 ALUMINUM RR 22.5X8.25 ALUMINUM/STEEL			-45 (-100)	
	22.5XFR 8.25 - RR 14.00 STEEL	228 (9.00)	355 (14.00)	-39 (-86)	-6 (-12)
	22.5XFR 9.00 - RR 14.00 STEEL		228 (9.00)	0 (0)	156 (344)
	FR & RR 22.5X9.00 STEEL			-45 (-100)	-26 (-56)
	FR & RR 22.5X9.00 ALUMINUM				65 (144)
	FR 22.5X9.00 ALUMINUM RR 22.5X9.00 ALUMINUM/STEEL				-91 (-200)
	22.5XFR 9.00 - RR 8.25 ALUMINUM	210 (8.25)	210 (8.25)	-45 (-100)	-45 (-100)
	FR 22.5X9.00 ALUMINUM RR 22.5X8.25 ALUMINUM/STEEL				

## 4. CAUTIONS TO INSTALL VARIOUS KIND OF BODY

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1. The vehicle center of gravity of the complete vehicle should be equal to or less than 1778mm (70in.) from the ground.
2. 90% or more of the operating conditions should be on a good paved road.
3. Installation of a Dump body is not recommended on the air suspended models.