

Chapter 3

SPECIFICATIONS

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

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	REMARKS
SEATING CAPACITY	2	-4 (-9)	1.16 (3.8)	-4.63 (-33.47)	ALL	
FUEL TANK (WITH FUEL)	340L(90GAL) x 1	154 (340)	1.73 (5.68)	266.42 (1927.02)	ALL	
	189L(50GAL) x 2	206 (454)	1.945 (6.38)	400.67 (2898.05)	ALL	
BATTERY	GR31 x 3	25 (56)	0.81 (2.66)	20.41 (147.64)	ALL	
	AGM x 2	11 (24)	0.81 (2.66)	8.91 (64.45)	ALL	
	AGM x 3	42 (92)	0.81 (2.66)	33.78 (244.31)	ALL	
	ODYSSEY x 2	12 (27)	0.81 (2.66)	9.88 (71.48)	ALL	
	ODYSSEY x 3	44 (96)	0.81 (2.66)	35.24 (254.86)	ALL	
EXHAUST	STACK TAIL - TRUCK	49 (108)	1.46 (4.79)	71.54 (517.45)	ALL	
TOW HOOKS	LESS	-5 (-12)	-1.00 (-3.28)	5.40 (39.06)	ALL	
	STEEL	10 (21)	-1.05 (-3.44)	-9.98 (-72.15)	ALL	
FRONT BUMPER	STL + 4"	20 (45)	-1.15 (-3.77)	-23.35 (-168.85)	ALL	
	RESIN + 4"	11 (24)	-1.15 (-3.77)	-12.42 (-89.83)	ALL	
	LESS	-27 (-60)	-1.05 (-3.44)	28.56 (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 E1254I Disc for 12k	28 (61)			ALL	Unsprung weight
	DANA E1462I Drum for 13.2k to 14.6k	18 (40)			ALL	Unsprung weight
	DANA E1462I 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	Tire size	Front		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)	LUG	Bridgestone M760 (G)		
OPT	11R22.5 - 14	RIB	Bridgestone R268 (G)	RIB	Bridgestone R268 (G)	0 (0)	-24 (-52)
	11R22.5 - 16	RIB	Bridgestone R268 (H)	RIB	Bridgestone R268 (H)	1 (2)	-22 (-48)
				LUG	Bridgestone M799 (H)		-20 (-44)
	295/75R22.5 - 14	RIB	Bridgestone R268 (G)	RIB	Bridgestone R268 (G)	-4 (-8)	-31 (-68)
				LUG	Bridgestone M726ELA (G)		-16 (-36)
	295/75R22.5 - 16	RIB	Bridgestone R268 (H)	RIB	Bridgestone R268 (H)	-3 (-6)	-29 (-64)
	12R22.5 - 16	RIB	Bridgestone R268 (H)	RIB	Bridgestone R268 (H)	15 (34)	7 (16)
	315/80R22.5 - 20	RIB	Bridgestone M870 (L)	-		42 (92)	-

DETAIL OF OPTION DISK

STD /OPT	Disk size	Front	Rear	The difference kg (lb)	
		Rim width (in.)	Rim width (in.)	Front Axle	Rear Axle
STD	FR & RR 22.5X8.25 STEEL	8.25	8.25		
OPT	FR & RR 22.5X8.25 ALUMINUM	8.25	8.25	-23 (-50)	-45 (-100)
	FR 22.5X8.25 ALUMINUM RR 22.5X8.25 ALUMINUM/STEEL			-23 (-50)	-23 (-50)
	FR & RR 22.5X9.00 STEEL	9.00	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		8.25	39 (86)	0 (0)
	22.5xFR 9.00 - RR 8.25 ALUMINUM			-6 (-14)	-45 (-100)
	FR 22.5X9.00 ALUMINUM RR 22.5X8.25 ALUMINUM/STEEL			-6 (-14)	-23 (-50)

MODEL : NMC2

DETAIL OF OPTION TIRE

STD /OPT	Tire size	Front		Rear		The difference kg (lb)	
		RIB/LUG	Maker Pattern	RIB/LUG	Maker Pattern	Front Axle	Rear Axle
STD	11R22.5 - 16	RIB	Bridgestone R268 (H)	LUG	Bridgestone M799 (H)		
OPT	11R22.5 - 16	RIB	Bridgestone R268 (H)	RIB	Bridgestone R268 (H)	0 (0)	-4 (-8)
	11R22.5 - 14	-		RIB	Bridgestone R268 (G)	-	-7 (-16)
				LUG	Bridgestone M760 (G)	-	40 (88)
	295/75R22.5 - 16	RIB	Bridgestone R268 (H)	RIB	Bridgestone R268 (H)	-4 (-8)	-18 (-40)
	12R22.5 - 16	RIB	Bridgestone R268 (H)	RIB	Bridgestone R268 (H)	15 (32)	54 (120)
	315/80R22.5 - 20	RIB	Bridgestone M870 (L)	RIB	Bridgestone M870 (L)	41 (90)	160 (352)

DETAIL OF OPTION DISK

STD /OPT	Disk size	Front	Rear	The difference kg (lb)	
		Rim width (in.)	Rim width (in.)	Front Axle	Rear Axle
STD	FR & RR 22.5X8.25 STEEL	8.25	8.25		
OPT	FR & RR 22.5X8.25 STEEL	8.25	8.25	0 (0)	0 (0)
	FR & RR 22.5X8.25 ALUMINUM			-23 (-50)	-91 (-200)
	FR 22.5X8.25 ALUMINUM RR 22.5X8.25 ALUMINUM/STEEL				-45 (-100)
	22.5XFR 9.00 - RR 8.25 STEEL	9.00	8.25	39 (86)	0 (0)
	22.5XFR 9.00 - RR 8.25 ALUMINUM			-6 (-14)	-91 (-200)
	FR 22.5X9.00 ALUMINUM RR 22.5X8.25 ALUMINUM/STEEL				-45 (-100)

4. CAUTIONS TO INSTALL VARIOUS KIND OF BODY

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.