

TECHNICAL SPECIFICATION

MD7 42R

				WEIGHT (LB)		
CUSTOMER/VEHICLE INFO		DESCRIPTION	FRONT	REAR		
S	002GI2	CHASSIS (BASE MODEL)	MD742 - 42R MEDIUM DUTY, CLASS 7 w/ 6.7L, (MAX 33,000lbs GVWR)	2,095	552	
S	99XE1X	ASSEMBLY PLANT	FACTORY USA (RV, MACK)	0	0	
	0051C5	VEHICLE USE & BODY/TRAILER TYPE	SERVICE/UTILITY TRUCK	0	0	
	0342A2	VEHICLE VOCATION	CONSTRUCTION SERVICE	0	0	
S	MP2001	CUSTOMER FLEET SIZE	DEALER FLEET WITH LESS THAN 25 VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND	0	0	
S	013001	TYPE OF SERVICE	COMMERCIAL	0	0	
S	M98018	WARRANTY REGISTRATION LOCATION	USA - WARRANTY REGISTRATION LOCATION	0	0	
	MBT12T	EMISSION WARRANTY CERTIFICATION	CARB + EPA for Cummins Diesel	0	0	
S	5050B5	INITIAL REGISTRATION LOCATION	USA REGISTRATION	0	0	
S	534014	LANGUAGE-PUBS/DECAL/SIGNS	ENGLISH	0	0	
S	032A99	TERRAIN GRADE	CITY, STARTING GRADES<6%	0	0	
S	033A20	LOADING SURFACE	ASPHALT LOADING AND / OR UNLOADING SURFACE	0	0	
S	MOC007	OPERATING CLASS	OPERATING CLASS 7	0	0	

				WEIGHT (LB)		
ENGINE & TRANSMISSION		DESCRIPTION	FRONT	REAR		
	1003L0	ENGINE / MOTOR	ISB6.7-300 D CUMMINS 300HP @ 2600RPM (GOV) 660 LB-FT, US21	1,581	-24	
	1361U6	TRANSMISSION	2500 RDS 6 SP-ALLISON RUGGED DUTY SERIES GEN 6 (WITH PTO PROVISIONS)	342	58	
S	E7EA1X	FUELSENSE CALIBRATION	ALLISON FUELSENSE, NEUTRAL AT STOP	0	0	
S	B1EC1X	TRANSM AUTO NEUTRAL ON P-BRAKE	AUTO NEUTRAL SINGLE INPUT WITH SHIFT SELECTOR OVERRIDE	0	0	

				WEIGHT (LB)		
ENGINE & TRANSMISSION EQUIPMENT		DESCRIPTION	FRONT	REAR		
	HTXB2X	ENGINE BRAKE TYPE	ENGINE BRAKE	0	0	
	JDXA1X	CRUISE CONTROL	CRUISE CONTROL	0	0	
S	132AB9	ALTERNATOR	DELCO 12V 180A (28SI) BRUSH-TYPE	0	0	
	3180A8	BATTERY DISCONNECT SWITCH	BATTERY DISCONNECT SWITCH	5	0	
S	NCXD1X	STARTER MOTOR	12 VOLT MELCO STARTER (MITSUBISHI ELECTRIC)	0	0	
	5NXB7X	ENGINE BLOCK HEATER	120 VOLT / 0.75 KW, ENGINE BLOCK HEATER	3	0	
	TYXE1X	POWER TAKE OFF CONTROL	POWER TAKE OFF TRANSMISSION CONTROL, PREP KIT F/SINGLE PTO	0	0	

				WEIGHT (LB)		
AXLE & SUSPENSION		DESCRIPTION	FRONT	REAR		
S	2400S0	FRONT AXLE	12,000LB MERITOR MFS+ 5400 KG	1,142	0	
S	2440C4	SPRINGS - FRONT	MACK TAPERLEAF 12300# (5500 KG) GROUND LOAD RATING	0	0	

TECHNICAL SPECIFICATION *(cont.)*

				WEIGHT (LB)	
AXLE & SUSPENSION		DESCRIPTION		FRONT	REAR
S	2410A1	FRONT AXLE BRAKES	MERITOR "S" CAM TYPE 16.5" x 5" Q+	0	0
	2520O2	REAR AXLE - SINGLE	21000# (9525 kg) MERITOR MS-21-14X, (W/ DIFF LOCK) CASING 11.0mm	0	1,189
	260AS0	REAR SUSPENSION - SINGLE	AL210 AIR-MACK 21000LB 9525KG	0	424
	ZAXD1X	SUSPENSION LEVELLING DEVICE (CA in PC29 only)	SUSPENSION LEVELLING AIR DUMP	0	0
S	253AA4	BRAKES - REAR	MERITOR "S" CAM 16.5"x7" Q+	0	0
S	TAXNFX	REAR AXLE RATIO	RATIO 5.57, REAR AXLE	0	0

				WEIGHT (LB)	
CHASSIS EQUIPMENT		DESCRIPTION		FRONT	REAR
S	9KAB1X	IDLE EMISSION CERTIFICATION	IDLE EMISSION CERTIFICATION, CARB 08	0	0
	DPF07F	DPF DIESEL PARTICULATE FILTER	CUMMINS SINGLE MODULE E.A.T.S. RH SIDE UNDER CAB US17 (7L over 271HP only!!)	100	62
S	130AA9	EXHAUST	UNDERFRAME RIGHT SIDE INBOARD MOUNTED	0	0
S	L3XN3X	BODY BUILDER MODULE	EL PREP KIT, TMC RP1404 EL. INTERFACE NO BODYBUILDER MODULE	0	0

				WEIGHT (LB)	
FRAME EQUIPMENT & FUEL TANKS		DESCRIPTION		FRONT	REAR
	271236	WHEELBASE	236" Wheelbase (173" CA) 80" After-frame	607	609
S	274194	FRAME RAILS	STEEL - 260MM X 70MM X 8MM -- (10.24" X 2.75" X 0.31"); RBM 1,580,000 LB-IN	0	0
	JVXCAX	PRIMARY FUEL FILTER	FUEL FILTER, WATER SEPARATOR, FUEL EL.HEATER, GENERIC	7	0
S	288AC2	FUEL TANK - LH	50 GALLON (190 L) 22" ALUMINUM ROUND	135	36

				WEIGHT (LB)	
CAB INTERIOR		DESCRIPTION		FRONT	REAR
S	198048	GAUGES - UNIT OF MEASURE	U.S. UNITS (PREDOMINANT)	0	0
	5RXA1X	BACK-UP ALARM	BACK-UP ALARM	0	0
S	PVXA2X	AIR RESTRICTION INDICATOR	MECHANICAL, GRADUATED, ON FILTER	0	0
S	LSXH1X	DAYTIME RUNNING LIGHTS	DRL WHEN ENGINE RUNNING & PARK BRAKE OFF	0	0
S	40XAKX	FIRE EXTINGUISHER	HAND FIRE EXTINGUISHER 1.1 KG (2.5LB) ENGLISH DECAL, ABC	0	0
S	F8XAVX	AUDIO SYSTEM	RADIO, AM/FM, MP3, WEATHER BAND	0	0
S	5EAA1X	AUDIO INTEGRAT. PHONE HANDSFRE	AUDIO INTEGRATED HANDSFREE PHONE, BLUETOOTH	0	0
S	5FAA1X	AUDIO COMMUNICATION CONNECTOR	AUDIO COMMUNICATION CONNECTOR, USB AUDIO	0	0
S	D6XS1X	COMMUNICATION EQUIPMENT	FACTORY INSTALLED GEOTAB FLEET MANAGEMENT SYSTEM	0	0
S	3ZXG2X	DRIVER SEAT	MACK DRIVERS SEAT, AIR SUSPENDED	0	0
S	U3CA1X	DRIVERS SEAT UPHOLSTERY	DRIVERS SEAT UPHOLSTERY, VINYL	0	0
	34XH3X	PASSENGER SEAT	FIXED BENCH SEAT SUPPORT, INTEGRATED STORAGE BOX	51	0
S	U4CA1X	PASSENGERS SEAT UPHOLSTRY	PASSENGERS SEAT UPHOLSTERY, VINYL	0	0

TECHNICAL SPECIFICATION *(cont.)*

				WEIGHT (LB)	
CAB INTERIOR		DESCRIPTION		FRONT	REAR
S	592052	SEAT BELT(S)	ALL SEAT BELTS, BLACK	0	0

				WEIGHT (LB)	
CAB EXTERIOR		DESCRIPTION		FRONT	REAR
	6MEE1X	HOOD RADIATOR GRILLE, FINISH	HOOD RADIATOR GRILLE FINISH, BRIGHT CHROME	0	0
	W9EADX	FRONT BUMPER FINISH	FRONT BUMPER FINISH BRIGHT	0	0
	1520G2	MIRRORS - EXTERIOR	HEATED AND MOTORIZED MIRRORS BOTH SIDES, CHROME (Hadley mirror)	31	0
	3GXC1X	EXTERIOR MIRROR FEATURES	HEATED AND MOTORIZED MIRRORS BOTH SIDES	0	0

				WEIGHT (LB)	
WHEELS & TIRES		DESCRIPTION		FRONT	REAR
S	900AS0	TIRES BRAND/TYPE - FRONT	11 R22.5 G BRIDGESTONE R268 ECOPIA (12350 lbs) (Total for QTY = 2)	243	0
	5310Z1	WHEELS - FRONT	22.5x8.25 ACCURIDE, POLISHED ALUMINUM DISC (Total for QTY = 2)	80	0
	FWT002	FRONT AXLE TIRE & WHEEL QUANTITY	TWO FRONT TIRES & WHEELS	0	0
S	901AX1	TIRES BRAND/TYPE - REAR	11 R22.5 G BRIDGESTONE R268 ECOPIA (23360 lbs) (ALL POSITION) (Total for QTY = 4)	0	486
	346186	WHEELS - REAR	22.5x8.25 ACCURIDE, POLISHED ALUMINUM DISC (Total for QTY = 4)	0	159
	RWT004	REAR AXLE TIRE & WHEEL QUANTITY	FOUR REAR AXLE TIRES & WHEELS	0	0

				WEIGHT (LB)	
PAINT		DESCRIPTION		FRONT	REAR
S	944CQ2	PAINT COLOR - FIRST COLOR	GLACIER WHITE; P3029	0	0

				WEIGHT (LB)	
BASE WARRANTY & PURCHASED COVERAGES		DESCRIPTION		FRONT	REAR
S	M58038	ENGINE TOWING WARRANTY	CUMMINS ENGINES (Contact Cummins for Standard Warranty and Extended Coverage Details)	0	0
S	M70100	MACK ONECALL BUNDLE	12 MONTH - ASIST AND MACK ONECALL	0	0
S	898002	VEHICLE WARRANTY TYPE	NORMAL DUTY WARRANTY CLASSIFICATION	0	0
S	M50AQ7	BASIC CHASSIS COVERAGE	CHASSIS PLAN 24 MO/UNLIMITED MI NORMAL DUTY PROTECTION PLAN	0	0
S	M51102	ENGINE WARRANTY	CUMMINS ENGINES B6.7 (Contact Cummins for Standard Warranty and Extended Coverage Details)	0	0
S	M52032	EMISSION COMPONENT COVERAGE	CUMMINS ENGINES (Contact Cummins for Standard Warranty and Extended Coverage Details)	0	0
S	M540B4	TRANSMISSION WARRANTY	ALLISON TRANSMISSIONS (Contact Allison Transmission for standard warranty and extended coverage data)	0	0
S	M560V6	AIR CONDITIONING WARRANTY	AIR CONDITIONING STANDARD COVERAGE (Sealed System Only) 24 MONTHS UNLIMITED MILEAGE	0	0
S	M57028	CHASSIS TOWING WARRANTY	STANDARD CHASSIS TOWING 90 DAYS OR 5,000 MILES	0	0

TECHNICAL SPECIFICATION *(cont.)*

				WEIGHT (LB)	
BASE WARRANTY & PURCHASED COVERAGES		DESCRIPTION		FRONT	REAR
S	M680F5	PARTNERED SERVICES	GEOTAB FOR MACK TRUCKS - 12 MONTH	0	0
FRONT / REAR AXLE WEIGHTS (LB)				6416	3546
TOTAL WEIGHT (LB)				9,961	

VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Sales Code	Dwg Ref	Length	UOM
Front Frame Extension	N/A	FE	0.0	INCHES
Bumper to Front Axle	N/A	BA	40.0	INCHES
Wheelbase	N/A	WB	236.0	INCHES
Rear Overhang	N/A	OH	79.9	INCHES
Overall Length	N/A	OL	355.9	INCHES
Bumper to Back of Cab	N/A	BBC	103.0	INCHES
Eff. Bumper to Back of Cab	N/A	EBBC	103.0	INCHES
Eff. Cab to Rear Axle	N/A	ECA	173.0	INCHES
Eff. Front Axle to Back of Cab	N/A	EAC	63.0	INCHES
Eff. Cab to End of Frame	N/A	ECEF	252.9	INCHES
Unladen 5th Wheel Height	001AA3	5W	0.0	INCHES
Unladen Frame Height	N/A	FH	40.3	INCHES
Cab Height	N/A	CH	69.1	INCHES
Overall Height	N/A	OVH	109.4	INCHES
Driver CG	N/A	DCG	59.1	INCHES
Second Front Axle Spacing	001AA3	SFAS	0.0	INCHES



