

# TECHNICAL SPECIFICATION

## MD6 42R



APPLICATION PACKAGES				WEIGHT (LB)	
				FRONT	REAR
S	GSXC1X	CHASSIS HEIGHT	DOCK HEIGHT	0	0

CUSTOMER/VEHICLE INFO				WEIGHT (LB)	
				FRONT	REAR
S	002GH2	CHASSIS (BASE MODEL)	MD642 - 42R MEDIUM DUTY, CLASS 6 w/ 6.7L, (MAX 25,995lbs 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
	MP2002	CUSTOMER FLEET SIZE	REGIONAL FLEET 25 OR MORE VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND	0	0
S	013001	TYPE OF SERVICE	COMMERCIAL	0	0
	M84030	INTENDED REGISTRATION LOCATION	NEW JERSEY	0	0
S	M98018	WARRANTY REGISTRATION LOCATION	USA - WARRANTY REGISTRATION LOCATION	0	0
	MBT05T	EMISSION WARRANTY CERTIFICATION	EPA (only) Cummins Diesel	0	0
S	9KAB1X	IDLE EMISSION CERTIFICATION	IDLE EMISSION CERTIFICATION, CARB 08	0	0
S	5050B5	INITIAL REGISTRATION LOCATION	USA REGISTRATION	0	0
S	534014	LANGUAGE-PUBS/DECAL/SIGNS	ENGLISH	0	0
S	032A99	OPERATING TERRAIN GRADE CONDITIONS	CITY, STARTING GRADES<6%	0	0
S	033A20	LOADING SURFACE FACTOR	ASPHALT LOADING AND / OR UNLOADING SURFACE	0	0

ENGINE & TRANSMISSION				WEIGHT (LB)	
				FRONT	REAR
S	78AC5X	EMISSION ON BOARD DIAG CONTROL	EMISSION OBD, DISPLAY ONLY, USA2016	0	0
	1003L0	ENGINE / MOTOR	ISB6.7-300 DIESEL CUMMINS 300HP @ 2600RPM (GOV) 660 LB-FT, US21	1,597	-39
	1361U6	TRANSMISSION	2500 RDS 6 SP-ALLISON RUGGED DUTY SERIES GEN 6 (WITH PTO PROVISIONS)	309	91
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

ENGINE & TRANSMISSION EQUIPMENT				WEIGHT (LB)	
				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

# TECHNICAL SPECIFICATION *(cont.)*



				WEIGHT (LB)	
AXLE & SUSPENSION		DESCRIPTION		FRONT	REAR
S	2400R0	FRONT AXLE	10,000LB MERITOR MFS+ 4500 KG	1,158	0
S	2440B4	SPRINGS - FRONT	MACK TAPERLEAF 10000# (4500 KG) GROUND LOAD RATING	0	0
S	2410A1	FRONT AXLE BRAKES	MERITOR "S" CAM TYPE 16.5" x 5" Q+	0	0
	2520L2	REAR AXLE - SINGLE	19000# (8618 kg) MERITOR MS-19-14X, (W/ FULL DIFF LOCK) CASING 9.5mm	0	1,173
	260A00	REAR SUSPENSION - SINGLE	AL190 AIR-MACK 19000LB 8618KG	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
	DPF07F	DPF DIESEL PARTICULATE FILTER	CUMMINS SINGLE MODULE E.A.T.S. RH SIDE UNDER CAB US17 (7L over 271HP only!)	64	98
S	130AA9	EXHAUST	UNDERFRAME RIGHT SIDE INBOARD MOUNTED (Diesel engines only)	0	0

				WEIGHT (LB)	
FRAME EQUIPMENT & FUEL TANKS		DESCRIPTION		FRONT	REAR
	271150	WHEELBASE	150" Wheelbase (87" CA) 50" After-frame	322	419
S	274184	FRAME RAILS	STEEL - 280MM X 70MM X 7MM -- (10.24" X 2.75" X 0.275" ); RBM 1,370,000 LB-IN	0	0
	JVXCAX	PRIMARY FUEL FILTER	FUEL FILTER, WATER SEPARATOR, FUEL EL.HEATER, GENERIC (Diesel engines only)	7	0
S	288AC2	FUEL TANK - LH	50 GALLON (190 L) 22" ALUMINUM ROUND	115	58

				WEIGHT (LB)	
CAB INTERIOR		DESCRIPTION		FRONT	REAR
S	198048	SPEEDOMETER &- GAUGES - UNIT(S) 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
	40XAIX	FIRE EXTINGUISHER	HAND FIRE EXTINGUISHER 2.2 KG (5LB) ENGLISH DECAL, ABC	0	0
S	4VXABX	WARNING TRIANGLE	WITHOUT WARNING TRIANGLE	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
S	34XB1X	PASSENGER SEAT	FIXED PASSENGER SEAT	29	0
S	U4CA1X	PASSENGERS SEAT UPHOLSTRY	PASSENGERS SEAT UPHOLSTERY, VINYL	0	0
S	592052	SEAT BELT(S)	ALL SEAT BELTS, BLACK	0	0

# TECHNICAL SPECIFICATION (cont.)



CAB EXTERIOR			WEIGHT (LB)	
			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
1520I2	MIRRORS - EXTERIOR	HEATED AND MOTORIZED MIRRORS BOTH SIDES, CHROME (Bulldog mirror)	31	0

WHEELS & TIRES			WEIGHT (LB)	
			FRONT	REAR
900AT0	TIRES BRAND/TYPE - FRONT	11R22.5 H BRIDGESTONE R268 ECOPIA (13220 lbs) (Total for QTY = 2)	247	0
5310Z1	WHEELS - FRONT	22.5x8.25 ACCURIDE, 43644x POLISHED ALUMINUM DISC (Total for QTY = 2)	80	0
FWT002	FRONT AXLE TIRE & WHEEL QUANTITY	TWO FRONT TIRES & WHEELS	0	0
901090	TIRES BRAND/TYPE - REAR	11R22.5 G BRIDGESTONE M760 ECOPIA (23360 lbs) (DRIVE ONLY) (Total for QTY = 4)	0	538
346186	WHEELS - REAR	22.5x8.25 ACCURIDE, 43644x POLISHED ALUMINUM DISC (Total for QTY = 4)	0	159
RWT004	REAR AXLE TIRE & WHEEL QUANTITY	FOUR REAR AXLE TIRES & WHEELS	0	0

PAINT			WEIGHT (LB)		
			FRONT	REAR	
S	924014	PAINT TYPE	SOLID PAINT	0	0
S	944CQ2	PAINT COLOR - FIRST COLOR	GLACIER WHITE; P3029	0	0

BASE WARRANTY & PURCHASED COVERAGES			WEIGHT (LB)		
			FRONT	REAR	
S	M58038	ENGINE TOWING WARRANTY	CUMMINS ENGINES (Contact Cummins for Standard Warranty and Extended Coverage Details)	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	M51I02	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
	M57058	CHASSIS TOWING WARRANTY	CHASSIS TOWING 24 MO/200K MILES	0	0

<b>FRONT / REAR AXLE WEIGHTS (LB)</b>	6054	3466
<b>TOTAL WEIGHT (LB)</b>	9520	



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
Eff. Bumper to Front Axle	N/A	N/A	40.0	INCHES
Wheelbase	N/A	WB	150.2	INCHES
Rear Overhang	N/A	OH	50.0	INCHES
Overall Length	N/A	OL	240.2	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	87.2	INCHES
Eff. Front Axle to Back of Cab	N/A	EAC	63.0	INCHES
Eff. Cab to End of Frame	N/A	ECEF	137.2	INCHES
Unladen Frame Height	N/A	FH	40.6	INCHES
Cab Height	N/A	CH	69.1	INCHES
Overall Height	N/A	OVH	109.7	INCHES
Driver CG	N/A	DCG	59.1	INCHES

