

TECHNICAL SPECIFICATION

MD7 42R



N4830

			WEIGHT (LB)	
MODEL DEFINING		DESCRIPTION	FRONT	REAR
S	PRODUCT GENERATION	MEDIUM DUTY TRUCKS	0	0
S	BRAND	BRAND MACK	0	0
S	VEHICLE PROFILE	CONVENTIONAL (N-SERIES)	0	0
S	STEERING WHEEL POS.	STEERING WHEEL POSITION, LEFT HAND SIDE	0	0
S	AXLE ARRANGEMENT	4 WHEELS THEREOF 2 DRIVING	0	0

			WEIGHT (LB)	
CUSTOMER/VEHICLE INFO		DESCRIPTION	FRONT	REAR
S	CHASSIS (BASE MODEL)	MD742 - GEN2 - 42R MEDIUM DUTY, CLASS 7 w/ 6.7L, (MAX 33,000lbs GVWR) 107" BBC	2,095	552
S	ASSEMBLY PLANT	FACTORY USA (RV, MACK)	0	0
S	DOT VEHICLE CERTIFICATION	DOT INCOMPLETE VEHICLE CERTIFICATION	0	0
	IDLE EMISSION CERTIFICATION	IDLE EMISSION CERTIFICATION, EPA 24	0	0
S	PRICE BOOK LEVEL	2026A Pricebook	0	0
S	GROSS COMBINATION WEIGHT (CA in PC29 only)	TRUCK ONLY - NO TRAILER TOWING PROVISIONS PROVIDED	0	0
S	BRAKE REGULATION	BRAKE REGULATION, STOPPING DISTANCE 94M (310 FT)	0	0

			WEIGHT (LB)	
ENGINE & TRANSMISSION		DESCRIPTION	FRONT	REAR
	ENGINE / MOTOR	ISB6.7-300 DIESEL CUMMINS 300HP @ 2600RPM (GOV) 660 LB-FT, US21	1,581	-24
	TRANSMISSION	3000 RDS 6 SPEED ALLISON GEN6 W/PROGNOSTICS, WITH PTO PROVISION	530	80
S	FUELSENSE CALIBRATION	ALLISON FUELSENSE, NEUTRAL AT STOP	0	0

			WEIGHT (LB)	
ENGINE & TRANSMISSION EQUIPMENT		DESCRIPTION	FRONT	REAR
	ENGINE BRAKE TYPE	VGT TURBO EXHAUST BRAKE (DIESEL ONLY)	0	0
	CRUISE CONTROL	CRUISE CONTROL	0	0
S	ALTERNATOR	DELCO 12V 160A (28SI) BRUSH-TYPE	0	0
	BATTERY DISCONNECT SWITCH	BATTERY DISCONNECT SWITCH	5	0
S	STARTER MOTOR	12 VOLT MELCO STARTER (MITSUBISHI ELECTRIC)	0	0
S	ENGINE BLOCK HEATER	120 VOLT / 0.75 KW, ENGINE BLOCK HEATER	3	0

			WEIGHT (LB)	
AXLE & SUSPENSION		DESCRIPTION	FRONT	REAR
S	FRONT AXLE	12,000LB MERITOR MFS+ 5400 KG	1,142	0
S	SPRINGS - FRONT	MACK TAPERLEAF 12300# (5500 KG) GROUND LOAD RATING	0	0
S	FRONT AXLE BRAKES	MERITOR "S" CAM TYPE 16.5" x 5" Q+	0	0
S	ANTILOCK BRAKE SYSTEM	BENDIX WITH TRACTION CONTROL 4S4M	9	5
S	STEERING GEAR RATIO	STEERING GEAR, RATIO 18.2, FIXED	0	0
	REAR SHOCK ABSORBER	REAR SHOCK ABSORBER	0	0

TECHNICAL SPECIFICATION *(cont.)*



			WEIGHT (LB)	
AXLE & SUSPENSION	DESCRIPTION		FRONT	REAR
	REAR AXLE - SINGLE	21000# (9525 kg) MERITOR MS-21-14X, (W/ DIFF LOCK) CASING 11.0mm	0	1,189
	REAR SUSPENSION - SINGLE	AL210 AIR-MACK 21000LB 9525KG	0	424
S	BRAKES - REAR	MERITOR "S" CAM 16.5"x7" Q+	0	0

			WEIGHT (LB)	
CHASSIS EQUIPMENT	DESCRIPTION		FRONT	REAR
	DPF DIESEL PARTICULATE FILTER	CUMMINS SINGLE MODULE E.A.T.S. RH SIDE UNDER CAB US17 (7L over 271HP only!!)	100	62
S	EXHAUST	UNDERFRAME RIGHT SIDE INBOARD MOUNTED (Diesel engines only)	0	0

			WEIGHT (LB)	
FRAME EQUIPMENT & FUEL TANKS	DESCRIPTION		FRONT	REAR
	WHEELBASE	235" Wheelbase (168" CA) 90" After-frame	607	609
	AF (OVERHANG)	90"	0	0
S	FRAME RAILS	STEEL - 260MM X 70MM X 8MM -- (10.24" X 2.75" X 0.31"); RBM 1,580,000 LB-IN	0	0
S	PRIMARY FUEL FILTER	FUEL FILTER & WATER SEPARATOR (Diesel engines only)	12	0
	FUEL TANK - LH	90 GALLON (340 L) 22" ALUMINUM ROUND	155	56

			WEIGHT (LB)	
CAB INTERIOR	DESCRIPTION		FRONT	REAR
	LANE SUPPORT SYSTEM	WITHOUT LANE SUPPORT SYSTEM	0	0
S	FIRE EXTINGUISHER	WITHOUT FIRE-EXTINGUISHER	0	0
S	SEAT BELT REMINDER	WITHOUT SEAT BELT REMINDER	0	0
S	AUDIO SYSTEM	RADIO, AM/FM, MP3, WEATHER BAND, W/ MUTE IN REVERSE	0	0
S	AUDIO INTEGRAT. PHONE HANDSFRE	AUDIO INTEGRATED HANDSFREE PHONE, BLUETOOTH	0	0
S	AUDIO COMMUNICATION CONNECTOR	AUDIO COMMUNICATION CONNECTOR, USB AUDIO	0	0
	SEAT - DRIVER'S	MACK-AIR, MORDURA HIGH BACK, 1 CHAMBER AIR LUMBAR	82	0
	DRIVER SEAT	MACK DRIVERS SEAT, AIR SUSPENDED	0	0
	SEAT - PASSENGER'S	MACK-FIXED, MORDURA BENCH SEAT, MID BACK, W/ STORAGE BOX	51	0
	SEAT ARMREST	SEAT ARMREST SINGLE, DRIV(DRIVER SEAT ONLY)	0	0
S	STEERING WHEEL ADJUSTMENT	TILT / TELESCOPIC STEERING COLUMN	0	0

			WEIGHT (LB)	
CAB EXTERIOR	DESCRIPTION		FRONT	REAR
S	WINDSHIELD TYPE	ONE PIECE WINDSHIELD	0	0
S	DOOR WINDOW FRONT	PEEP WINDOW ON PASSENGER SIDE DOOR	0	0
	MIRRORS - EXTERIOR	HEATED AND MOTORIZED MIRRORS BOTH SIDES, CHROME (Bulldog mirror)	31	0

			WEIGHT (LB)	
WHEELS & TIRES	DESCRIPTION		FRONT	REAR
	TIRES BRAND/TYPER - FRONT	11R22.5 G BRIDGESTONE R268 ECOPIA (12350 lbs) (Total for QTY = 2)	243	0

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			WEIGHT (LB)	
WHEELS & TIRES	DESCRIPTION		FRONT	REAR
	WHEELS - FRONT	22.5x8.25 ACCURIDE, 43644x POLISHED ALUMINUM DISC (Total for QTY = 2)	80	0
S	FRONT WHEEL STUDS	FRONT WHEEL STUDS, LONG	0	0
	TIRES BRAND/TYPE - REAR	11R22.5 G BRIDGESTONE M760 ECOPIA (23360 lbs) (DRIVE ONLY) (Total for QTY = 4)	0	538
	WHEELS - REAR	22.5x8.25 ACCURIDE, 43644x POLISHED ALUMINUM DISC (Total for QTY = 4)	0	159
S	DRIVE WHEEL STUDS	DRIVE WHEEL STUDS, LONG	0	0
			WEIGHT (LB)	
PAINT	DESCRIPTION		FRONT	REAR
S	PAINT DESIGN	SINGLE COLOR	0	0
S	PAINT COLOR - FIRST COLOR	GLACIER WHITE; P3029	0	0
FRONT / REAR AXLE WEIGHTS (LB)			6718	3645
TOTAL WEIGHT (LB)				10362



VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Dwg Ref	Length	UOM
Front Frame Extension	FE	0.0	INCHES
Bumper to Front Axle	BA	40.0	INCHES
Eff. Bumper to Front Axle	N/A	40.0	INCHES
Wheelbase	WB	235.0	INCHES
Rear Overhang	OH	90.0	INCHES
Overall Length	OL	365.0	INCHES
Bumper to Back of Cab	BBC	107.0	INCHES
Eff. Bumper to Back of Cab	EBBC	107.0	INCHES
Eff. Cab to Rear Axle	ECA	168.0	INCHES
Eff. Front Axle to Back of Cab	EAC	67.0	INCHES
Eff. Cab to End of Frame	ECEF	258.0	INCHES
Unladen Frame Height	FH	40.6	INCHES
Cab Height	CH	69.1	INCHES
Overall Height	OVH	109.7	INCHES
Driver CG	DCG	59.1	INCHES

