

TECHNICAL SPECIFICATION

MD6 42R



			WEIGHT (LB)	
MODEL DEFINING		DESCRIPTION	FRONT	REAR
S	PRODUCT CLASS	MEDIUM DUTY VEHICLE, MACK	0	0
S	BRAND	BRAND MACK	0	0
S	VEHICLE PROFILE	CONVENTIONAL (N-SERIES)	0	0
S	STEERING WHEEL POS.	STEERING WHEEL POS. 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)	MD642 - 42R MEDIUM DUTY, CLASS 6 w/ 6.7L, (MAX 25,995lbs GVWR)	2,095	552
S	ASSEMBLY PLANT	FACTORY USA (RV, MACK)	0	0
S	DOT VEHICLE CERTIFICATION	DOT INCOMPLETE VEHICLE CERTIFICATION	0	0
	PRICE BOOK LEVEL	2022A 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	ISB6.7-260 D CUMMINS 260HP @ 2600RPM (GOV) 660 LB-FT, US21	1,581	-24
S	ENGINE CONTROL UNIT GENERATION	ENGINE CONTROL UNIT GENERATION 1	0	0
	TRANSMISSION	2500 RDS 6 SP-ALLISON RUGGED DUTY SERIES GEN 6 (WITH PTO PROVISIONS)	342	58
S	FUELSense CALIBRATION	ALLISON FUELSense, NEUTRAL AT STOP	0	0

			WEIGHT (LB)	
ENGINE & TRANSMISSION EQUIPMENT		DESCRIPTION	FRONT	REAR
	ENGINE BRAKE TYPE	ENGINE BRAKE	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
	ENGINE BLOCK HEATER	120 VOLT / 0.75 KW, ENGINE BLOCK HEATER	3	0

			WEIGHT (LB)	
AXLE & SUSPENSION		DESCRIPTION	FRONT	REAR
S	FRONT AXLE	10,000LB MERITOR MFS+ 4500 KG	1,156	0
S	SPRINGS - FRONT	MACK TAPERLEAF 10000# (4500 KG) GROUND LOAD RATING	0	0
S	FRONT AXLE BRAKES	MERITOR "S" CAM TYPE 16.5" x 5" Q+	0	0
S	STEERING GEAR RATIO	STEERING GEAR, RATIO 18.2, FIXED	0	0
	REAR SHOCK ABSORBER	WITHOUT REAR SHOCK ABSORBER	0	0
S	REAR AXLE - SINGLE	17000# (7711 kg) MERITOR MS-17-13X, (W/O DIFF LOCK) CASING 9.5mm	0	1,098

TECHNICAL SPECIFICATION (cont.)



			WEIGHT (LB)	
AXLE & SUSPENSION	DESCRIPTION		FRONT	REAR
S	REAR SUSPENSION - SINGLE	17500# (7711kg) MULTILEAF	0	466
S	BRAKES - REAR	MERITOR "S" CAM 16.5"x7" Q+	0	0

			WEIGHT (LB)	
CHASSIS EQUIPMENT	DESCRIPTION		FRONT	REAR
S	LANE SUPPORT SYSTEM	WITHOUT LANE SUPPORT SYSTEM	0	0
S	IDLE EMISSION CERTIFICATION	IDLE EMISSION CERTIFICATION, CARB 08	0	0
S	DPF DIESEL PARTICULATE FILTER	CUMMINS SINGLE MODULE E.A.T.S. RH SIDE UNDER CAB US17 (7L up to 270HP only!!)	80	47
S	EXHAUST	UNDERFRAME RIGHT SIDE INBOARD MOUNTED	0	0

			WEIGHT (LB)	
FRAME EQUIPMENT & FUEL TANKS	DESCRIPTION		FRONT	REAR
	WHEELBASE	236" Wheelbase (173" CA) 80" After-frame	587	545
	AF (OVERHANG)	80"	0	0
S	FRAME RAILS	STEEL - 260MM X 70MM X 7MM -- (10.24" X 2.75" X 0.275"); RBM 1,370,000 LB-IN	0	0
	PRIMARY FUEL FILTER	FUEL FILTER, WATER SEPARATOR, FUEL EL.HEATER, GENERIC	7	0
S	FUEL TANK - LH	50 GALLON (190 L) 22" ALUMINUM ROUND	135	36

			WEIGHT (LB)	
CAB INTERIOR	DESCRIPTION		FRONT	REAR
S	FIRE EXTINGUISHER	HAND FIRE EXTINGUISHER 1.1 KG (2.5LB) ENGLISH DECAL, ABC	0	0
S	SEAT BELT REMINDER	WITHOUT SEAT BELT REMINDER	0	0
S	AUDIO SYSTEM	RADIO, AM/FM, MP3, WEATHER BAND	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
S	DRIVER SEAT	MACK DRIVERS SEAT, AIR SUSPENDED	0	0
	PASSENGER SEAT	FIXED BENCH SEAT SUPPORT, INTEGRATED STORAGE BOX	51	0
	SEAT ARMREST	SEAT ARMREST SINGLE, DRIV(DRIVER SEAT ONLY)	0	0
S	STEERING WHEEL ADJUSTMENT	ADJUSTABLE STEERING WHEEL, 2 MOTIONS	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, BLACK (Anthem mirror)	29	0

			WEIGHT (LB)	
WHEELS & TIRES	DESCRIPTION		FRONT	REAR
S	TIRES BRAND/TYPE - FRONT	11R22.5 G BRIDGESTONE R268 ECOPIA (12350 lbs) (Total for QTY = 2)	243	0
S	WHEELS - FRONT	22.5x8.25 ACCURIDE, POWDER COATED WHITE STEEL DISC (Total for QTY = 2)	128	0

TECHNICAL SPECIFICATION (cont.)

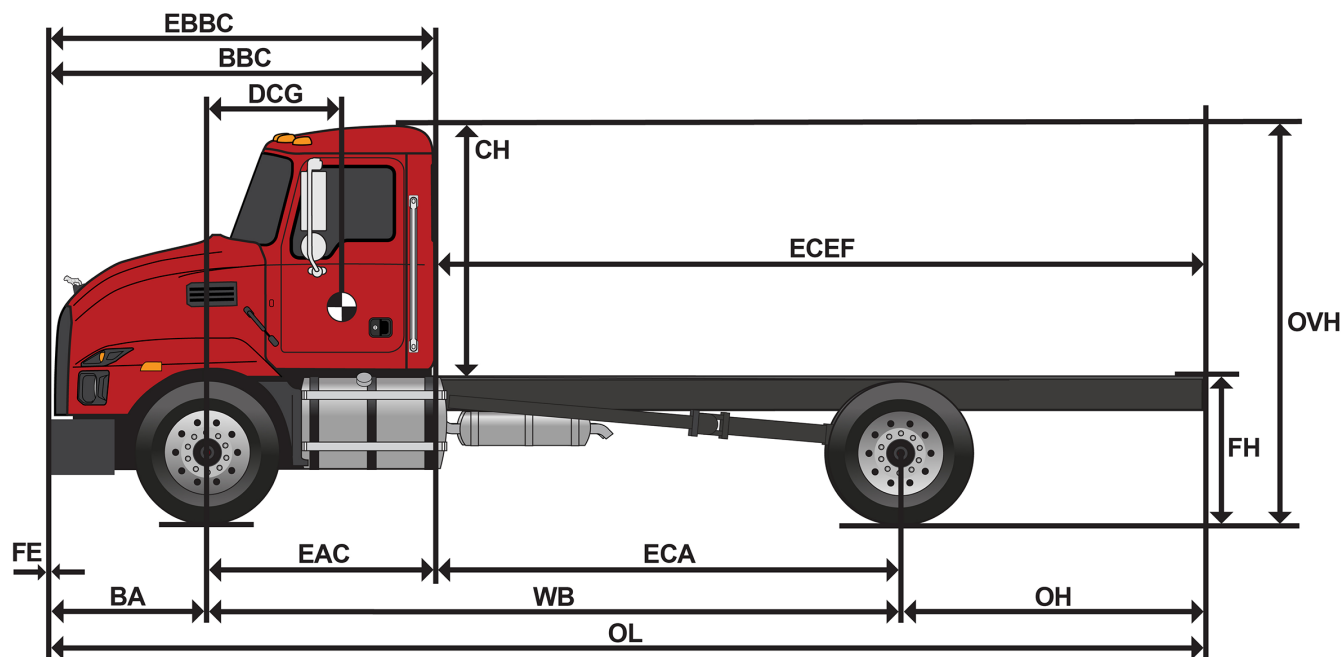


			WEIGHT (LB)	
WHEELS & TIRES	DESCRIPTION		FRONT	REAR
S	FRONT WHEEL STUDS	FRONT WHEEL STUDS, LONG	0	0
S	TIRES BRAND/TYPE - REAR	11R22.5 G BRIDGESTONE R268 ECOPIA (23360 lbs) (ALL POSITION) (Total for QTY = 4)	0	486
S	WHEELS - REAR	22.5x8.25 ACCURIDE, POWDER COATED WHITE STEEL DISC (Total for QTY = 4)	0	256
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

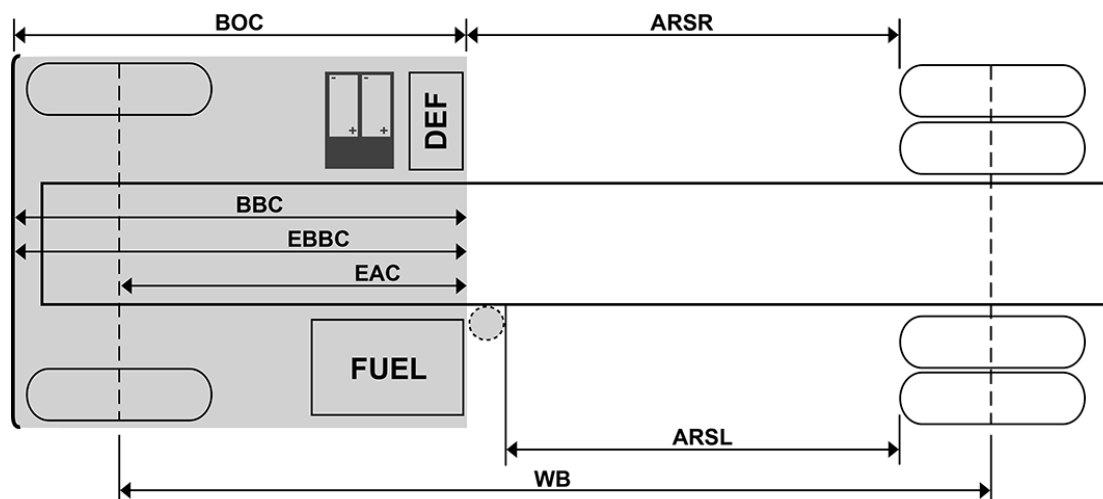
FRONT / REAR AXLE WEIGHTS (LB)			6436	3515
TOTAL WEIGHT (LB)				9950

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	40.5	INCHES
Cab Height	N/A	CH	69.1	INCHES
Overall Height	N/A	OVH	109.6	INCHES
Driver CG	N/A	DCG	59.1	INCHES
Second Front Axle Spacing	001AA3	SFAS	0.0	INCHES



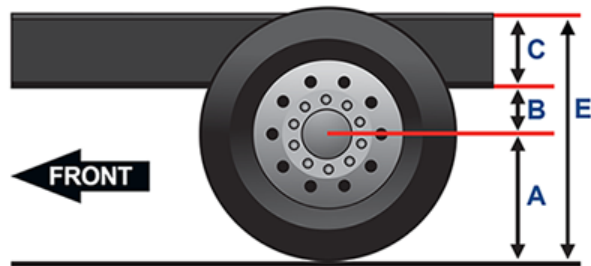
VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY

Description	Sales Code	Dwg Ref	Left Value(in)	Right Value(in)
Wheelbase	N/A	WB	236.0	236.0
Available Rail Space Right	N/A	ARSR	N/A	154.3
Available Rail Space Left	N/A	ARSL	144.2	N/A
Eff. Front Axle to Back of Cab	N/A	REF	63.0	63.0
Front Axle To Fender	001AA3	N/A	30.0	30.0
Battery Box	001AA3	N/A	0.0	25.0
50 GALLON (190 L) 22" ALUMINUM ROUND / TRUCK	288AC2 / 001AA3	N/A	41.0	0.0
Ad-Blue Tank	001AA3	N/A	0.0	6.0
Drive Tire Radius	901AX1	N/A	20.7	20.7



Top View image is intended for illustration purposes only and is not presented to scale. Wheelbase, Axle Spacing and After frame are not shown as specified, but are a representation. Customer Adaptation (CA) options and relocated components are not represented in these images. Most CA options impact the variation of the image, thus an image may not populate. Calculations are approximate to a tolerance of ± 4 inches due to component mounting variation. Certain chassis component options are NOT represented in the Top View image, such as, but not exclusive to, Front Frame Extensions, Fuel Water Separators, Air Dryers, PTOs, Fifth Wheels, Chassis Fairings, Toolboxes, Trailer Connections. For further information on these items and their respective locations on your specification, please refer to the data sheets associated with those items in the configurator.

VEHICLE SPECIFICATION/CALCULATED PERFORMANCE SUMMARY					
			Rear		
Description	Sales Code	Dwg Ref	Unladen	Laden	UOM
Requested Fifth Wheel Height	001AA3		0.0	0.0	INCHES
Tire Radius	901AX1	A	20.7	19.3	INCHES
Suspension Height	260AP0	B	9.5	8.0	INCHES
Frame Depth	YBXD1X	C	10.2	10.2	INCHES
Closest Available Fifth Wheel Leg Height	N/A	D	0.0	0.0	INCHES
Total Height	N/A	E	40.5	37.5	INCHES





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