

TECHNICAL SPECIFICATION

MD7 42R



CUSTOMER/VEHICLE INFO	DESCRIPTION
S CHASSIS (BASE MODEL)	MD742 - 42R MEDIUM DUTY, CLASS 7 w/ 6.7L, (MAX 33,000lbs GVWR)
S ASSEMBLY PLANT	FACTORY USA (RV, MACK)
VEHICLE USE & BODY/TRAILER TYPE	TANKER or PUMPER TRUCK
VEHICLE VOCATION	PICKUP & DELIVERY / SHORT HAUL SERVICE
S CUSTOMER FLEET SIZE	DEALER FLEET WITH LESS THAN 25 VEHICLES IN OWN FLEET OF ANY VEHICLE BRAND
S TYPE OF SERVICE	COMMERCIAL
INTENDED REGISTRATION LOCATION	ONLY FOR ORDERS PRODUCED PRIOR TO December 31, 2023
WARRANTY REGISTRATION LOCATION	CANADA - WARRANTY REGISTRATION LOCATION
EMISSION WARRANTY CERTIFICATION	EPA (only) Cummins Diesel
S IDLE EMISSION CERTIFICATION	IDLE EMISSION CERTIFICATION, CARB 08
S INITIAL REGISTRATION LOCATION	CANADA REGISTRATION
S LANGUAGE-PUBS/DECAL/SIGNS	ENGLISH
S OPERATING TERRAIN GRADE CONDITIONS	CITY, STARTING GRADES<6%
S LOADING SURFACE FACTOR	ASPHALT LOADING AND / OR UNLOADING SURFACE
S OPERATING CLASS	OPERATING CLASS 7; 33000lb GVWR

ENGINE & TRANSMISSION	DESCRIPTION
S EMISSION ON BOARD DIAG CONTROL	EMISSION OBD, DISPLAY ONLY, USA2016
ENGINE / MOTOR	ISB6.7-280 DIESEL CUMMINS 280HP @ 2600RPM (GOV) 660 LB-FT, US21
TRANSMISSION	2500 RDS 6 SP-ALLISON RUGGED DUTY SERIES GEN 6 (WITH PTO PROVISIONS)
S FUELSENSE CALIBRATION	ALLISON FUELSENSE, NEUTRAL AT STOP
S TRANSM AUTO NEUTRAL ON P-BRAKE	AUTO NEUTRAL SINGLE INPUT WITH SHIFT SELECTOR OVERRIDE

ENGINE & TRANSMISSION EQUIPMENT	DESCRIPTION
ENGINE BRAKE TYPE	ENGINE BRAKE
CRUISE CONTROL	CRUISE CONTROL
S ALTERNATOR	DELCO 12V 160A (28SI) BRUSH-TYPE
BATTERY DISCONNECT SWITCH	BATTERY DISCONNECT SWITCH
S STARTER MOTOR	12 VOLT MELCO STARTER (MITSUBISHI ELECTRIC)
ENGINE BLOCK HEATER	120 VOLT / 0.75 KW, ENGINE BLOCK HEATER
POWER TAKE OFF CONTROL	POWER TAKE OFF TRANSMISSION CONTROL, PREP KIT F/SINGLE PTO

AXLE & SUSPENSION	DESCRIPTION
S FRONT AXLE	12,000LB MERITOR MFS+ 5400 KG
S SPRINGS - FRONT	MACK TAPERLEAF 12300# (5500 KG) GROUND LOAD RATING
S FRONT AXLE BRAKES	MERITOR "S" CAM TYPE 16.5" x 5" Q+
REAR AXLE - SINGLE	21000# (9525 kg) MERITOR MS-21-14X, (W/ DIFF LOCK) CASING 11.0mm
REAR SUSPENSION - SINGLE	AL210 AIR-MACK 21000LB 9525KG
SUSPENSION LEVELLING DEVICE (CA in PC29 only)	SUSPENSION LEVELLING AIR DUMP
S BRAKES - REAR	MERITOR "S" CAM 16.5"x7" Q+
S REAR AXLE RATIO	RATIO 5.57, REAR AXLE

TECHNICAL SPECIFICATION *(cont.)*



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

FRAME EQUIPMENT & FUEL TANKS		DESCRIPTION
	WHEELBASE	206" Wheelbase (143" CA) 65" After-frame
S	FRAME RAILS	STEEL - 260MM X 70MM X 8MM -- (10.24" X 2.75" X 0.31"); RBM 1,580,000 LB-IN
S	PRIMARY FUEL FILTER	FUEL FILTER & WATER SEPARATOR (Diesel engines only)
	FUEL TANK - LH	90 GALLON (340 L) 22" ALUMINUM ROUND

CAB INTERIOR		DESCRIPTION
S	SPEEDOMETER -&- GAUGES - UNIT(s) OF MEASURE	METRIC PREDOMINANT - ROADSPEED W/U.S. UNITS FOR ALL OTHER GAUGES
	BACK-UP ALARM	BACK-UP ALARM
S	AIR RESTRICTION INDICATOR	MECHANICAL, GRADUATED, ON FILTER
S	DAYTIME RUNNING LIGHTS	DRL WHEN ENGINE RUNNING & PARK BRAKE OFF
S	FIRE EXTINGUISHER	HAND FIRE EXTINGUISHER 1.1 KG (2.5LB) ENGLISH DECAL, ABC
S	AUDIO SYSTEM	RADIO, AM/FM, MP3, WEATHER BAND
S	AUDIO INTEGRAT. PHONE HANDSFRE	AUDIO INTEGRATED HANDSFREE PHONE, BLUETOOTH
S	AUDIO COMMUNICATION CONNECTOR	AUDIO COMMUNICATION CONNECTOR, USB AUDIO
S	COMMUNICATION EQUIPMENT	FACTORY INSTALLED GEOTAB FLEET MANAGEMENT SYSTEM
S	DRIVER SEAT	MACK DRIVERS SEAT, AIR SUSPENDED
	DRIVERS SEAT UPHOLSTERY	DRIVERS SEAT UPHOLSTERY, MORDURA
	PASSENGER SEAT	FIXED BENCH SEAT SUPPORT, INTEGRATED STORAGE BOX
	PASSENGERS SEAT UPHOLSTRY	PASSENGERS SEAT UPHOLSTERY, MORDURA
S	SEAT BELT(S)	ALL SEAT BELTS, BLACK

CAB EXTERIOR		DESCRIPTION
	HOOD RADIATOR GRILLE, FINISH	HOOD RADIATOR GRILLE FINISH, BRIGHT CHROME
	FRONT BUMPER FINISH	FRONT BUMPER FINISH BRIGHT
	MIRRORS - EXTERIOR	HEATED AND MOTORIZED MIRRORS BOTH SIDES, CHROME (Bulldog mirror)

WHEELS & TIRES		DESCRIPTION
	TIRES BRAND/TYPE - FRONT	11R22.5 H BRIDGESTONE R268 ECOPIA (13220 lbs) (Total for QTY = 2)
	WHEELS - FRONT	22.5x8.25 ACCURIDE, 51487x POWDER COATED WHITE STEEL DISC (Total for QTY = 2)
	FRONT AXLE TIRE & WHEEL QUANTITY	TWO FRONT TIRES & WHEELS
	TIRES BRAND/TYPE - REAR	11R22.5 G BRIDGESTONE M760 ECOPIA (23360 lbs) (DRIVE ONLY) (Total for QTY = 4)
	WHEELS - REAR	22.5x8.25 ACCURIDE, 51487x POWDER COATED WHITE STEEL DISC (Total for QTY = 4)
	REAR AXLE TIRE & WHEEL QUANTITY	FOUR REAR AXLE TIRES & WHEELS

PAINT		DESCRIPTION
S	PAINT TYPE	SOLID PAINT
	PAINT COLOR - FIRST COLOR	ARCTIC WHITE (MACK EXCLUSIVE COLOR); 932845

TECHNICAL SPECIFICATION *(cont.)*



BASE WARRANTY & PURCHASED COVERAGES		DESCRIPTION
S	ENGINE TOWING WARRANTY	CUMMINS ENGINES (Contact Cummins for Standard Warranty and Extended Coverage Details)
	MACK ONECALL BUNDLE	12 MONTH - ASIST AND MACK ONECALL
S	VEHICLE WARRANTY TYPE	NORMAL DUTY WARRANTY CLASSIFICATION
S	BASIC CHASSIS COVERAGE	CHASSIS PLAN 24 MO/UNLIMITED MI NORMAL DUTY PROTECTION PLAN
S	ENGINE WARRANTY	CUMMINS ENGINES B6.7 (Contact Cummins for Standard Warranty and Extended Coverage Details)
S	EMISSION COMPONENT COVERAGE	CUMMINS ENGINES (Contact Cummins for Standard Warranty and Extended Coverage Details)
S	TRANSMISSION WARRANTY	ALLISON TRANSMISSIONS (Contact Allison Transmission for standard warranty and extended coverage data)
S	AIR CONDITIONING WARRANTY	AIR CONDITIONING STANDARD COVERAGE (Sealed System Only) 24 MONTHS UNLIMITED MILEAGE
S	CHASSIS TOWING WARRANTY	STANDARD CHASSIS TOWING 90 DAYS OR 5,000 MILES
	PARTNERED SERVICES	GEOTAB FOR MACK TRUCKS - 12 MONTH

SERVICES	DESCRIPTION
S	MACK ONECALL AND ASIST MACK ONECALL AND ASIST - 12 MONTH

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