

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	DRY VAN, PICK UP & DELIVERY 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	ALBERTA
	WARRANTY REGISTRATION LOCATION	CANADA - WARRANTY REGISTRATION LOCATION
	EMISSION WARRANTY CERTIFICATION	EPA (only) Cummins Diesel
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	ISB6.7-260 DIESEL CUMMINS 260HP @ 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+
	REAR AXLE RATIO	RATIO 5.29, REAR AXLE

TECHNICAL SPECIFICATION *(cont.)*



CHASSIS EQUIPMENT		DESCRIPTION
S	DPF DIESEL PARTICULATE FILTER	CUMMINS SINGLE MODULE E.A.T.S. RH SIDE UNDER CAB US17 (7L up to 270HP only!!)
S	EXHAUST	UNDERFRAME RIGHT SIDE INBOARD MOUNTED (Diesel engines only)

FRAME EQUIPMENT & FUEL TANKS		DESCRIPTION
S	WHEELBASE	270" Wheelbase (207" CA) 100" 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 2.2 KG (5LB) ENGLISH DECAL, ABC
S	WARNING TRIANGLE	WITHOUT WARNING TRIANGLE
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
	SEAT BELT(S)	ALL SEAT BELTS, ORANGE

CAB EXTERIOR		DESCRIPTION
S	HEADLAMPS	HEADLAMP TYPE, HALOGEN
S	HOOD RADIATOR GRILLE, FINISH	HOOD RADIATOR GRILLE FINISH, MATTE BLACK
S	FRONT BUMPER FINISH	FRONT BUMPER FINISH PAINTED GLOSS BLACK
	MIRRORS - EXTERIOR	HEATED AND MOTORIZED MIRRORS BOTH SIDES, BLACK (Anthem 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
S	PAINT COLOR - FIRST COLOR	GLACIER WHITE; P3029

TECHNICAL SPECIFICATION *(cont.)*



BASE WARRANTY & PURCHASED COVERAGES		DESCRIPTION
S	ENGINE TOWING WARRANTY	CUMMINS ENGINES (Contact Cummins for Standard Warranty and Extended Coverage Details)
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

SERVICES		DESCRIPTION
S	MACK ONECALL AND ASIST	MACK ONECALL AND ASIST - 12 MONTH
S	PARTNERED SERVICES	GEOTAB FOR MACK TRUCKS - 12 MONTH

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