



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
S	WARRANTY REGISTRATION LOCATION	US - WARRANTY REGISTRATION LOCATION
	EMISSION WARRANTY CERTIFICATION	EPA (only) Cummins Diesel
	INITIAL REGISTRATION LOCATION	USA REGISTRATION
S	LANGUAGE-PUBS/DECAL/SIGNS	ENGLISH
S	TERRAIN GRADE	CITY, STARTING GRADES<6%
S	LOADING SURFACE	ASPHALT LOADING AND / OR UNLOADING SURFACE
	VEHICLE MODEL YEAR	2022 MODEL YEAR

ENGINE & TRANSMISSION		DESCRIPTION
S	ENGINE PACKAGE, COMBUSTION	ISB6.7-220 D CUMMINS 220HP @ 2600RPM (GOV) 600 LB-FT, US21
S	TRANSMISSION	2500 HS 6 SP-ALLISON HIGHWAY SERIES GEN 5 (WITHOUT 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
S	STARTER MOTOR	12 VOLT MELCO STARTER (MITSUBISHI ELECTRIC)
S	ENGINE BLOCK HEATER	WITHOUT ENGINE BLOCK HEATER
S	POWER TAKE OFF CONTROL	WITHOUT POWER TAKE OFF CONTROL

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+
S	REAR AXLE - SINGLE	21000# (9525 kg) MERITOR MS-21-13X, (W/O DIFF LOCK) CASING 11.0mm
S	REAR SUSPENSION - SINGLE	21000# (9525kg) MULTILEAF
	SUSPENSION LEVELLING DEVICE (CA in PC29 only)	WITHOUT SUSPENSION LEVELLING DEVICE
S	BRAKES - REAR	MERITOR "S" CAM 16.5"x7" Q+
S	REAR AXLE RATIO	RATIO 5.57, REAR AXLE

CHASSIS EQUIPMENT		DESCRIPTION
S	IDLE EMISSION CERTIFICATION	IDLE EMISSION CERTIFICATION, CARB 08
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
	BODY BUILDER MODULE	EL PREP KIT, TMC RP1404 EL. INTERFACE NO BODYBUILDER MODULE

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
S	FUEL TANK - LH	50 GALLON (190 L) 22" ALUMINUM ROUND

CAB INTERIOR		DESCRIPTION
S	GAUGES - UNIT OF MEASURE	U.S. UNITS (PREDOMINANT)
S	BACK-UP ALARM	WITHOUT 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 SUPPORT	MACK DRIVERS SEAT, AIR SUSPENDED
S	DRIVERS SEAT UPHOLSTERY	DRIVERS SEAT UPHOLSTERY, VINYL
S	PASSENGER SEAT SUPPORT	FIXED PASSENGER SEAT
S	PASSENGERS SEAT UPHOLSTRY	PASSENGERS SEAT UPHOLSTERY, VINYL
S	SEAT BELT(S)	ALL SEAT BELTS, BLACK

CAB EXTERIOR		DESCRIPTION
S	HOOD RADIATOR GRILLE, FINISH	HOOD RADIATOR GRILLE FINISH, MATTE BLACK
S	FRONT BUMPER FINISH	FRONT BUMPER FINISH PAINTED GLOSS BLACK
S	MIRRORS - EXTERIOR	STANDARD MANUAL MIRROR BOTH SIDES, BLACK (Anthem mirror)

WHEELS & TIRES		DESCRIPTION
S	TIRES BRAND/TYPE - FRONT	11R22.5 G BRIDGESTONE R268 ECOPIA (12350 lbs) (Total for QTY = 2)
S	WHEELS - FRONT	22.5x8.25 ACCURIDE, POWDER COATED WHITE STEEL DISC (Total for QTY = 2)
	FRONT AXLE TIRE & WHEEL QUANTITY	TWO FRONT TIRES & WHEELS
S	TIRES BRAND/TYPE - REAR	11R22.5 G BRIDGESTONE R268 ECOPIA (23360 lbs) (ALL POSITION) (Total for QTY = 4)
S	WHEELS - REAR	22.5x8.25 ACCURIDE, POWDER COATED WHITE STEEL DISC (Total for QTY = 4)
	REAR AXLE TIRE & WHEEL QUANTITY	FOUR REAR AXLE TIRES & WHEELS

PAINT		DESCRIPTION
S	PAINT COLOR - FIRST COLOR	GLACIER WHITE; P3029

BASE WARRANTY & PURCHASED COVERAGES		DESCRIPTION
S	ENGINE TOWING WARRANTY	CUMMINS ENGINES (Contact Cummins for Standard Warranty and Extended Coverage Details)
S	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
S	PARTNERED SERVICES	GEOTAB FOR MACK TRUCKS - 12 MONTH

Z - DO NOT USE - OBSOLETE		DESCRIPTION
	GHG STEER TIRE CATEGORY (PAWS) (CA)	GHG STEER TIRE CATEGORY, LOW ROLLING RESISTANCE
	GHG DRIVE TIRE CATEGORY (PAWS) (CA)	GHG DRIVE TIRE CATEGORY, LOW ROLLING RESISTANCE

