

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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