

# SPECIFICATION, JEA CLASS 131: 22' WALK IN VAN (JEA WATER)

UPDATED JULY 2020

## 1. SCOPE

It is the intent of the JEA to purchase multiple 22' WALK-IN VAN. All units must be tested and delivered to JEA Fleet Facility (5717 New Kings Road Jacksonville, Florida 32209) in complete operational condition, with all required equipment and documentation by the date specified per awarded contract.

## 2. MODEL

New, current model year production 22' WALK IN VAN (Freightliner MT-55 or Equal) with BOSS On-Board Air Compressor (PTO). Reference: JEA Unit # 71652 for Layout/Design Details and clarification.

UTILIZE THE STRONGEST, MOST ROBUST, MAINTENANCE FREE FASTENERS/CONNECTIONS WHERE APPLICABLE TO MINIMIZE MAINTENANCE REQUIREMENTS AND MITIGATE POTENTIAL FAILURES. CONFIRM ALL FASTENERS/CONNECTIONS ARE RATED FOR THE CAPACITIES PER OUR APPLICATION.



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### 3. CHASSIS (DIMENSIONS INCLUDE VAN BODY)

- 3.1 Class-7 Single Axle Van Chassis (29,000 LB GVWR)
- 3.2 Wheel Base: 216"
- 3.3 Overall Height from Level Ground to Highest Point on Vehicle Not to Exceed 138"
- 3.4 Interior Height: 85"
- 3.5 Overall Length: Not to Exceed 384"
- 3.6 Width: 93.5"
- 3.7 Max Speed: 70 MPH

### 4. ENGINE (DIESEL)

- 4.1 Horse Power: Minimum 260 HP
- 4.2 Torque Range: Minimum 650 lbs
- 4.3 No Automatic Idle Shutdown

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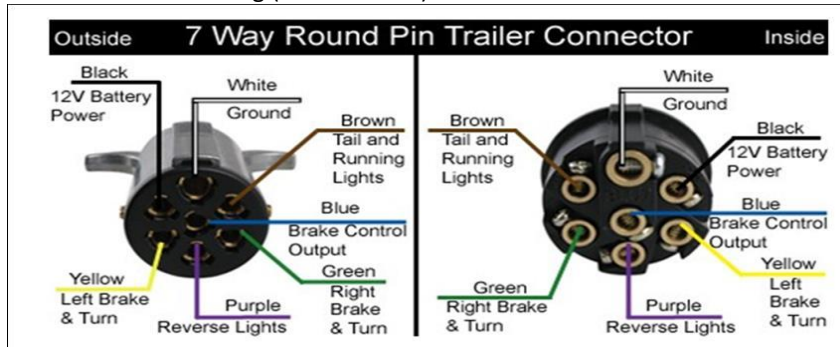
- 4.4 Block Heater
- 4.5 Engine warning and shut down system
- 4.6 B20 Biodiesel Capable, if available

## 5. TRANSMISSION

- 5.1 Allison RDS 2500
- 5.2 PTO Provision

## 6. TOWING

- 6.1 Class-3 Towing Package
- 6.2 7 Pin Round Trailer Plug (JEA Standard)



- 6.3 Minimum max loaded trailer weight (Conventional): 5,000 lbs
- 6.4 Electric brake controller

## 7. REAR AXLE & TIRES (AIR RIDE)

- 7.1 Air Ride / 19,000 lbs with manual dump valve
- 7.2 Locking Differential
- 7.3 Rear: 22.5 Low Profile to accommodate GVWR, All Season Tread

## 8. FRONT AXLE & TIRES (RATED FOR GVWR)

- 8.1 10,000 lbs with Oil Bathed Bearing/Hubs
- 8.2 22.5 Low Profile to accommodate GVWR, All Season Tread

## 9. BRAKES (AIR DISC BRAKES)

- 9.1 Air Disc Brakes with shields
- 9.2 Anti-lock braking system
- 9.3 Automatic drain valves

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9.4 Air Dryer

9.5 Low Air Pressure Warning System

## 10. COOLING SYSTEM

10.1 Heavy duty extra cooling capacity, largest available from manufacturer

## 11. FUEL TANK AND DEF TANK

11.1 Capacity: Minimum 60 gallons useable fuel capacity with Auxiliary Fuel Port

11.2 Capacity: Minimum 10 gallons diesel exhaust fluid capacity

## 12. ELECTRICAL AND LIGHTING (NO SCOTCH LOCK CONNECTIONS)

**NOTE:** WIRE ALL LED STROBE LIGHTS TO ONE OEM UP-FITTER SWITCH IN CAB with Label. WIRE ALL BIN LIGHTS TO ONE OEM UP-FITTER SWITCH. WIRE ALL AREA LIGHTS TO ONE UP-FITTER SWITCH. ALL LIGHTING, LED.

12.1 Meters: Engine hour meter, PTO hour meter, transmission temperature, engine oil pressure, engine temperature, charging system, fuel level, air pressure and diesel exhaust fluid level (In Cab / Dash Mounted).

12.2 OEM Up-Fitter Switches/Upper Console: For wiring strobe lights, area lights & etc.

12.3 Auxiliary Accessory Fuse Block: Purpose is to wire GPS, fuel rings, JEA Radio, DC accessory power outlets etc. Wire to waterproof resettable breaker so we can isolate from the vehicle OEM system if needed. An acceptable example is listed below including picture.

Blue Sea Systems ST Blade ATO/ATC Fuse Blocks  
Style Name: 12-Circ Split w/Cover & Neg



12.4 Master Switch With Lockout/Tagout: In Cab, (Mitigate Dead Batteries Due To GPS & Etc.) Example: TR Series Dual Pole Master Disconnect Switch (500A • DPST • IP67/IP69k • Integrated Lockout Tagout).



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- 12.5 All Cab / Chassis Lights: LED only
- 12.6 LED Strobe Lights (8 COUNT): Corner Mounted 4 Upper and 4 Lower
- 12.7 Auxiliary Battery Jump Ports: Insulated remote posts protected and mounted passenger's side, under hood and accessible



- 12.8 DC Accessory Power Outlets: THREE DC Power Outlets in cab for accessories with spring loaded cover (For Cell Phone Chargers & Etc.). See example below (NAPA Part Number & Picture): NAPA Part # BK 7821773 or equal. Power/Wire to the Auxiliary / Accessory Fuse BLOCK



- 12.9 Power Package: Power Windows and Locks (Required, If Available)
- 12.10 Power Package: Mirrors (Power, Extendable & Heated), Cruise Control, Tilt Wheel and Intermittent Windshield Wipers
- 12.11 Factory installed air conditioner and heater
- 12.12 Collision mitigation/warning system with active braking (engage service brakes), lane departure warning system (required, if available), back up sensors and backup alarm. System must not affect the safety or operation of the vehicle while staging or operating attachments.
- 12.13 AM / FM / Weather Band Stereo with auxiliary input, backup camera (7" or 8" color monitor), and Bluetooth/Hands Free
- 12.14 LED Area Lights: under driver & passenger steps and under rear bumper
- 12.15 LED Lighting in all Utility Bins and Drawers
- 12.16 LED Scene Lights (2 Count): 1 LH and 1 RH, Mount centered, 4" to 8" below roof
- 12.17 LED Cab Dome Light: LED
- 12.18 LED Cargo Lights: 2 mounted above rear doors
- 12.19 50 AMP 120V/240V Service Panel with Shore Power and Transfer Switch. Mount Shore Power Plug Right Rear/Outside Lower Corner of Van Body.
- 12.20 120V 15 AMP Dual Exterior Weatherproof Outlets: 2 Count, LH and RH Lower Rear Sidewalls
- 12.21 120V 15 AMP Dual Interior Outlets: 4 Count (Reference existing JEA Unit for exact locations)

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## 13. ADDITIONAL REQUIRED EQUIPMENT

13.1 Front bumper

13.2 Air Ride Driver's Seat and Air Ride Passengers Seat with Collapsible Armrest and Head Rest

13.3 Seat Belts: Fluorescent Green



13.4 Tow/Recovery Hooks: Front & Rear

13.5 Window Tint: driver, passenger & rear windows (Max Legal in FL)

13.6 Cup Holders: Minimum 2

13.7 Two Collapsible Cone Holders (JEA Standard): Mounted Center / Front Bumper



13.8 Fuel Fill Door and Closer

13.9 DEF Tank Fill Door and Closer

## 14. VAN BODY AND ATTACHMENTS (REFERENCE/MATCH JEA Unit # 71652)

14.1 Insulate Driver/Passenger Cabin (Include Cab Floor Matting) and Cargo Area Including Roof

14.2 Sun Visors: Adjustable LH and RH

14.3 Work Tables/Trays: Engine Cover and RH Dash Height

14.4 Interior / Forward / Roof Mounted Console with Lockable Storage Compartments

14.5 14" Fantastic Fans (Powered): 2 Count (Roof Mounted)

14.6 Skylight: 24" Wide X Full Length Cargo Area

14.7 Rear Bumper: 12" Grip Strut with 30" Wide X 12" Deep Fold Down Step

14.8 Battery Tray with Slide Out, RH (3 Battery Capacity): Accessible from outside with lockable/ vented door

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- 14.9 JEA standard 5 gallon aluminum water keg holder (full circle aluminum). Include Igloo 5 Gallon Water Keg. Mount RH Interior Door.
- 14.10 Slider Lockable Doors with Slider Windows, LH and RH
- 14.11 4" Lowered Stepwells, LH and RH
- 14.12 Rear Swing Doors with 12" X 18" Fixed Windows
- 14.13 Pipe Storage Compartment with Swing Door LH: Lockable with various size dividers and accessible from rear/outside the vehicle.
- 14.14 Tamp Storage Compartment with Vented Lockable Door: RH Rear Outside Accessible



- 14.15 Underfloor Lockable Weatherproof Drawers LH: 2 Count, Rear Outside Accessible
- 14.16 BOSS Air Compressor: 185 CFM Underdeck PTO Air Compressor plumbed LH and RH Rear Bumper. Install Louver/Shroud RH.
- 14.17 Inverter: 3000W Industrial/Commercial. Include 3 AGM batteries.
- 14.18 Vented Fuel Can Storage Compartment LH: Lockable and accessible from outside
- 14.19 Racks and Brackets: 2 Boot Racks and Shovel/Rake Brackets
- 14.20 Jack Hammer Rack



- 14.21 Shelving and Work Benches: EZ STAK or Equal. Reference Drawings and Current In-Service JEA Unit # 71652

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## 14.22 Shelving Dividers

- 60 count dividers sized 8" tall x 16 ¼" long.
- 20 count dividers sized 3" tall x 16 ¼" long.
- 50 count dividers sized 4" tall x 16 ¼" long.
- 25 count dividers sized 3" tall x 22 ¼" long.
- 10 count dividers sized 4" tall x 22 ¼" long.

## 14.23 Aluminum Wash Tank with Ball Valve: Mount to Inside LH Rear Door



## 15. COLOR / GRAPHICS

15.1 White exterior

15.2 Delete all vendor and manufacturer identification decals except required safety & reference identification tags, decals, data plates & placards

15.3 Install Vehicle Height Warning Placard with maximum height (feet/inches) in cab on the dash (driver's view) and on driver's side door (outside of vehicle, close to door handle)

15.4 Install decal on rear bumper near hitch to include the MAX tow capacity and MAX tongue weight

## 16. MANUALS, VIDEOS, KEYS & OPERATOR ORIENTATION

16.1 (1) set of operator manuals per unit (HARD COPY). (1) Electronic Copy maintenance, repair & parts manuals

16.2 Provide five (5) complete sets of keys per unit (3 FOB Keys and 2 Standard Keys for Chassis) including attachments, bins and tool boxes. Key all bins and tool boxes alike. Stamp/Engrave JEA provided 5 digit unit number on all keys.

16.3 (1) On-Site JEA Operator Orientation Class (Complete Unit Overview: Chassis & Attachments)

16.4 (1) On-Site JEA Maintenance Orientation Class (Complete Unit: Chassis & Attachments)

16.5 Include a paper copy Specification / Build Sheet / Drawings in all units including Key Codes

## 17. DRAWINGS

17.1 Scaled Drawings will be provided to JEA upon receipt of order. Drawings will include all interior/exterior and equipment layout details & dimensions. Final Drawings / Layout will be approved by JEA before work is started. Include one electronic copy (Flash Drive). Drawings maybe used at JEA's discretion for solicitations, request for information, reference for repairs, etc.

17.2 Provide weight study




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## 18. WARRANTY

- 18.1 Minimum (2) One Year warranty on Chassis & All Attachments (Include Parts, Travel & Labor). Must include all standard manufacturer warranties.
- 18.2 Warranty period starts when units are received at JEA's fleet facility and are inspected and accepted.

## 19. OTHER REQUIREMENTS

- 19.1 Purchase and Install Yellow City License Plates
- 19.2 Install JEA provided decals (You may use JEA's current vendor at your expense)
- 19.3 Install JEA provided safety equipment: Purple-K fire extinguisher (5 LB), first aid kit and key safe
- 19.4 Current DOT Inspection / Certification with decal installed lower left inside corner of windshield. Include current date, current hours, next service due date and next service due hours.
- 19.5 Include a paper copy specification / build sheet in all units including key codes
- 19.6 Must include/document the VIN number, make, model, description, JEA PO # and JEA provided 5 digit unit # on all invoices
- 19.7 Awarded vendor must complete and submit the JEA provided Vehicle and Equipment Attribute Data Spreadsheet
- 19.8 Reflective roadside triangle warning/hazard kit 

**NOTE:** All units, attachments, products and services must meet and comply with all applicable regulations and specifications including but not limited to Federal and State Laws, OSHA Regulations, ANSI Standards, DOT Regulations and ASTM Standards. All units must be delivered to the JEA Fleet Facility with a minimum  $\frac{3}{4}$  tank of fuel. Contact Thurman McGlothlin at 904-576-9382 48 hours prior to delivery. Delivery times are Monday through Friday 07:00 AM – 03:00 PM at 5717 New Kings Road Jacksonville Florida, 32209.