

## Spartan MetroStar Chassis

### Extended Medium Four Door Cab

- 20" Raised Roof
- Seating for 6 (5 SCBA)
- Two-Tone Paint
- Full Length Entry Doors
- 21" Front Bumper Extension
- Advanced Occupant Protection System (Air Bags, etc.)
- Heated and Remote Mirrors

### Drive Train

- Cummins L9 450HP Engine
  - Engine Brake with 3 position settings and on/off switch
  - Clutched Engine Fan
  - Heated fuel water separator
  - 2017 EPA Compliant with DEF tank and accessories
- Allison 3000 EVS Transmission
- Spicer 1710 Drive Line

### Frame/Undercarriage

- Hot Dipped Galvanized Frame and accessories to include
  - Main frame "C" channel or channels
  - Front splayed rails and fish plates
  - Cross members (excluding suspension cross members)
  - Cross member gussets
  - Fuel tank mounting brackets
  - Air tank mounting brackets
  - Exhaust mounting brackets
  - Air cleaner skid plate
  - Radiator skid plate
  - Battery supports, battery trays and battery covers
- Double Rails
- 218-inch Wheel base

### Axles/Suspension

- Meritor MFS-20 20,000-pound front axle
- Bilstein Shocks
- Nine Leaf suspension rated at 21,500 pounds
- Meritor RS-25-160 27,000-pound rear axle
- Reyco 79KB leaf suspension with capacity between 21-31,000 pounds
- Bilstein Shocks

### Brakes

- Anti-lock Braking, Automatic Traction Control, and Electronic Stability Control
- 16.5 x 6 drums front
- 16.5 x 7 drums rear

### Tires and Wheels

- Alcoa Aluminum Rims with Dura-bright Finish (all wheels)
- Stainless Steel Wheel Trim
- Wheel guards between all wheels and axles
- Michelin XZA tires front
- Michelin XDN2 tires rear
- OnSpot Tire Chains

### Cab Interior

- Ceiling Mounted HVAC System
- Tow defogging fans
- Xtreme Duty Interior (very little plastic or vinyl)
- Engine Tunnel Mounting Plate for Mounting Department Equipment
- Aluminum Plate for rear wall to be used as a mounting surface
- H.O. Bostrom seats
- IMMI Smart Dock SCBA brackets for SCBA seats

### Chassis Electrical

- Weldon Multi-Plex system
  - Two Vista Displays one for driver and officer
- 320 Amp Alternator
- 6 925 CCA batteries
- Four aux 12volt power points ranging from 40-100 amp for charging or powering Dept supplied equipment
- Kussmaul 1200 Battery Charger with 12v air compressor
- 20-amp Super Auto Eject

### Accessories/Additional Items

- Back Up and Officer's Side Cameras
- Antenna mount and Co-ax cable
- 2-year cab and chassis warranty
- AM/FM Radio
- Lifetime frame warranty
- 10-year paint warranty (PPG Non-Prorated)
- 10-year cab structural warranty

## **TOYNE BODY**

### Pump House

- All Stainless Construction to include frame work
- Enclosed Side mount Panel
- Pump House and Pump Operators station are enclosed
- Separate Module from the body and cab
- Dunnage Compartment above enclosure
- 40k BTU pump house heater

### Pump

- Waterous CSU 1500 GPM
- Mechanical Seals
- Three Sacrificial pump anodes
- Manual Pump Shift override from operators' station
- Trident Air Priming System

### Intakes

- 6-inch front and two 6" side master Intakes
- All master intakes have electric butterfly valves behind the panel
- All master intakes equipped with Storz connection
- Left and right side 2 ½ inch aux. intake

### Plumbing and Valves

- All stainless-steel plumbing or high-pressure hose with stainless ends
- Galvanized Victaulic couplings
- Akron 8000 series valve assemblies with Akron electric controllers
- 10-year warranty on plumbing and valves

### Discharges

- One 2 ½ and One 4" discharge on the officers side panel
- Two 2 ½ discharges drivers side panel
- 3" hose bed discharge
- 4" rear step discharge
- Two 1 ¾ inch pre-connected speed lays
- 2 ½ inch front bumper discharge
- 3" inch deck gun plumbing with Akron Deck Master deck gun

### Foam System

- 2001 Foam Pro
- Four foam capable discharges

### Water Tank and Foam Cell

- 1000 Gallon Water Tank
- 25-gallon foam cell
- 3-inch tank to pump line
- 2 ½ inch direct tank fill

### Toyne Body

- Hot-dipped galvanized Structural Steel sub frame with 36k psi yield strength
- 304 Bolted Brushed Stainless Body with #4 Polished Finish
- Stainless Fenderettes
- 20 year structural and corrosion warranty for sub-frame
- 15 year structural and corrosion warranty for body
- 1000-pound capacity for all compartments
- ROM Roll-Up doors
- 18" rear step

### Compartments

- Full Height both sides
- 56" wide front compartment, 44" rear compartments, and 63" wide compartments over the rear wheels
- All compartments 26" deep
- Left and Right-side coffin compartments
- Through the tank suction hose and ladder storage
- Three triple SCBA cylinder storage compartments in the wheel wells and one 2-cylinder compartment
- Two full height LED strip lights per compartment
- Stokes Basket Compartment above pump

### Storage Items

- 5 poly tool boards
- 6 adjustable shelves
- 2 roll out trays with dividers
- 2 vertically hinged PAC tool boards
- 1 vertical roll out PAC tool board
- 2 drop down slide out trays

### Body Electrical

- Same Weldon Multi-Plex System as Spartan Cab
- 12-inch LED under body strip lights
- All LED DOT and Step Lighting
- Four 110-volt duplex shoreline connections in compartments for charging
- Whelen LED Back-Up, Turn and brake lights

### 12-volt Scene Lighting

- HiViz FireTech brow light
- Two Fire Research 7000 lumen LED lights on the rear of body
- Six Fire Research Spectra 20,000 lumen LED body lights

### Emergency Lighting

- Whelen 72" LED Freedom Light Bar
- Six Whelen M9 series lights upper body
- Whelen M6 lower level warning lights

### 110/220v Electrical

- Smart Power HR8 hydraulic generator
- 2 Hannay Electric cord reels
- Four Pod Command Light LED light tower
- Generator/Shoreline transfer switch

### Audible Emergency Warning

- Federal "Q"
- Whelen 295HFS Electric Siren
- Two Hadley E-Tone Airhorns

### Misc. Items

- Three lengths of 6" x 10' Kocheck Suction Hose
- 24,4, and 10; ladder package
- Wheel Chocs
- Lettering and striping
- Inspection trip for 4 members
- Delivery and training
- Mounting of Department supplied equipment