



Going Beyond the Call.

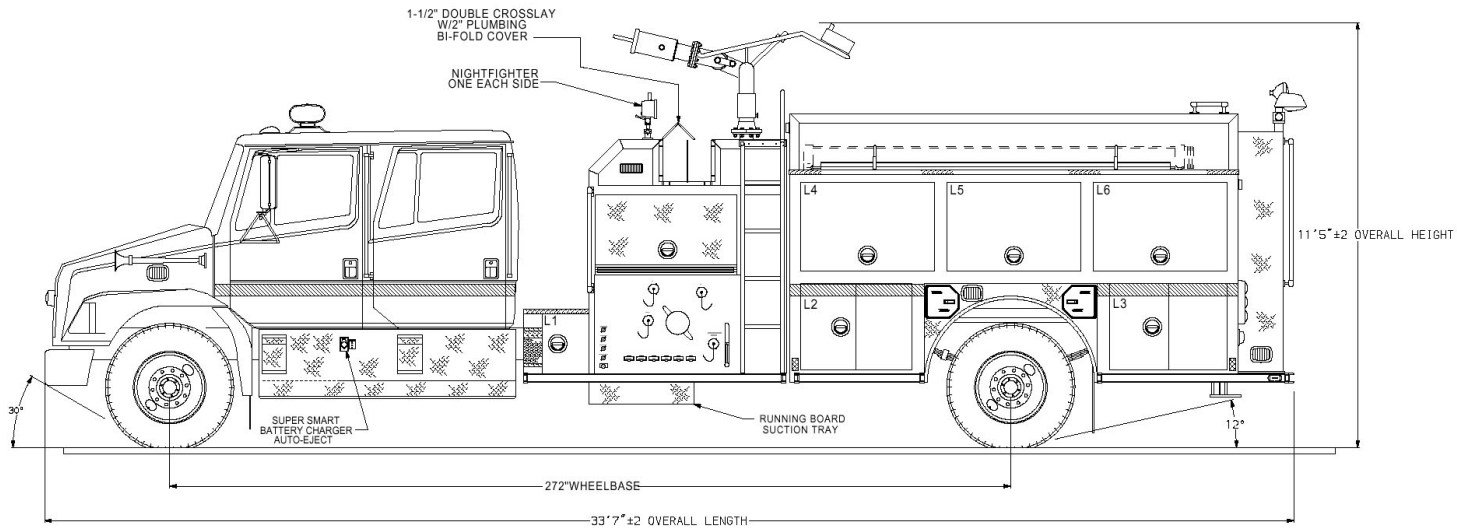
INDUSTRIAL PUMPER

Freightliner FL-80 CHASSIS

X211 TOP MOUNT PUMPER

1500 GPM (5677 LPM) PUMP

ALL- ALUMINUM BODY CONSTRUCTION



(INCHES)			(CENTIMETERS)		
COMPT.	OPENING	INTERIOR	COMPT.	OPENING	INTERIOR
L1/R1	15W X 17H	18W 17H 14D	L1/R1	38W X 43H	46W X 43H X 36D
L2/R2	36W X 28H	36W 28H 24D	L2/R2	91W X 71H	91W X 71H X 61D
L3/R3	38W X 28H	38W 28H 24D	L3/R3	97W X 71H	97W X 71H X 61D
L4/L5/L6	43W X 28H	43W 32H 10D	L4/L5/L6	109W X 71H	109W X 81H X 25D
R4/R5/R6	43W X 28H	43W 32H 10D	R4/R5/R6	109W X 71H	109W X 81H X 25D
B1	40W X 40H	40W 40H 24D	B1	102W X 102H	102W X 102H X 61D



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CHASSIS:

Freightliner FL-80 4 X 2
Wheelbase: 4-door cab 272" (690 cm)
2-door cab 226" (574 cm)
Conventional 4-door cab provides seating for five, 2-door cab provides seating for three.
Gross Vehicle Weight Rating 42,000 lbs. (19026 kgs.)
Front Axle 12,000 lbs. (5443 kgs.)
Rear Axle 30,000 lbs. (13620 kgs.)
Cummins 330 HP diesel engine
Allison MD3060P 5 speed automatic transmission
Alternator 270 amp (SAE rating)
45 gallon (189 liter) fuel tank
Air brakes with ABS
Power steering left hand drive
Bendix AD-9 air dryer with heater
Tires 11R22.5 front and 315 80R/22.5 rear
Steel disc wheels
Exhaust pipe extended to the front of the right rear wheel
Dual 1520 CCA batteries
Air conditioner
Tinted windows
Two heavy duty front tow hooks
Two heavy duty rear tow eyes
Rear mudflaps
Fluid capacity and type plate
Seating capacity plate

BODY:

All-aluminum, extruded modular body for high corrosion resistance, high strength, low weight.
Side wall thickness is 3/16" (4.7 mm). Body structure securely fastened to chassis with 5/8"
(15 mm) OD steel U-bolts.
Flex joint after pump module
All horizontal surfaces, rear steps, running boards and the rear body surface are constructed from
aluminum fire apparatus quality tread brite.
Four extruded aluminum hard suction hose racks.
Hosebed compartment deck is constructed from maintenance-free, anodized hollow aluminum extrusions
assembled into a one-piece grid which is completely removable.
Total hosebed capacity - 55 cubic feet (1.7 cubic meters).
Two adjustable hosebed dividers are provided.
One ladder mounted on left side pump module for easy access to deck gun.
Three auxiliary steps bolted to body at rear for hose bed access.
Bolt-on tailboard for ease of serviceability.
Bolt-on aluminum extrusion rubrail provided on each side of body with Scotchlite inserts.



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EQUIPMENT COMPARTMENTS:

Large enclosed equipment compartments are supplied for reels, hose lines and ancillary fire fighting equipment as shown in drawing.

All compartment floors are 1/8" (3 mm) thick aluminum treadplate and all side compartment doors use a box pan configuration. Gas springs standard on all doors.

One adjustable shelf mounted in the front left lower compartment.

HANDRAILS:

One handrail installed below hosebed between rear beavertails. Two handrails installed on edge of beavertails. One cab door assist handrail behind each cab door opening.

One handrail at each side of the top mount walkway. One handrail on each side of the body at the rear mounted on the body extrusion.

FOAM TANK:

1000 gallon (3785 liter) capacity, 1/2" (12 mm) polypropylene shell with 3/8" (9mm) baffles, 20" (508 mm) access cover with 1/4" (6 mm) mesh screen, foam pail opener, installed on rubber four point mounting with a **lifetime warranty**, fill tower and foam expansion dome removable for maintenance inspection.

FOAM SYSTEM:

Williams' Hot Shot II™ 150 balanced pressure foam proportioning system, capable of proportioning up to 2500 gpm (9,464 lpm) at up to 6%.

Williams' Patriot I Hydro-Chem™ 1000 gpm (3,785 lpm) deck gun featuring Hydro-Foam™ technology and dual agent delivery capability, tiller style handle control for quick response.

PUMP:

Midship mounted Hale QMax single stage centrifugal pump, 1500 gpm (5678 lpm) capacity.

Entire pump will be nodular iron, and all moving parts in contact with foam will be high quality bronze or stainless steel. Pump shaft will be ground, heat-treated stainless steel and pump impeller will be hard, fine grain bronze. Includes vernier throttle, master suction gauge, and master discharge gauge.

Pump will be certified by third party testing service in compliance with NFPA #1901.

PLUMBING:

All plumbing to be stainless steel, brass or high pressure hose.

Two 6" (152 mm) steamer inlets.

Four 2.5" (63 mm) discharges - two left side and two right side.

One 4" (102 mm) discharge - right side controls on pump panel.

One 4" (102 mm) discharge deck gun at platform.

One suction inlet - left side.

One dry chemical inlet right side.

One 2.5" (63mm) auxiliary deck gun foam concentrate inlet - right side.

One double crosslay at front of body. Each crosslay has one 2" (50 mm) mechanical swivel with a 1-1/2" (38 mm) hose connection and 2" (50 mm) brass in-line valves. Capacity: 200' of 1-3/4" each (60M of 44 mm each).

PUMP PANEL:

Operator's controls and gauges are top mounted on a brushed stainless steel pump panel that is completely removable and/or hinged. Discharges and intakes are identified by NFPA color coded tags. Also located on pump panel: pump operator panel light (both side panels), master drain valve, electric primer, engine cooler, foam tank level gauge, fuel gauge, oil pressure gauge, water temperature gauge and oil pressure and water temperature alarm.



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LIGHTING AND WARNING EQUIPMENT:

A single battery master disconnect switch mounted in cab.
One battery charging system with waterproof cover.
Turn signal and red flashing warning lights on front of cab.
Federal Model #ADL 5202 light bar with red lens and rotating lamps.
Federal Model PA-300M electronic siren with PA system.
Federal Model #121 single beam 15,000 candle power rotating light door ajar light with red dome mounted in cab.
Two Federal Signal Vector warning lights at the rear of the body.
One heavy duty metal floor mounted foot switch to operate air horn.
Lighting package to meet 1996 NFPA compliance.
Federal strobe and halogen warning light package.
Two 6" (152 mm) 12-volt deck lights at the rear.
One 12-volt light shall be mounted in each body compartment and the pump compartment.
Each body compartment light wired to dash mounted door ajar light.
One red and one clear light each side at rear to function as running lights, brake lights and back-up lights.
Two round amber arrow turn signals installed at the rear of the apparatus, one on each side.
Two amber, rectangular shaped, clearance lights installed on front of body, both sides.
Two recessed steplights.
One back-up alarm.

FINISH:

Chassis and frame rails painted black.
Exterior finish acrylic urethane high gloss enamel in user choice of single non-metallic color: lime, red, white or yellow.
Straight 4" (101 mm) reflective stripe for body and chassis.

DELIVERY, TRAINING AND TECHNICAL DOCUMENTATION:

Delivery Ex Works, Ocala, Florida, USA.
Estimated weight of completed unit: 28,000 lbs (12,701 kgs)
Dimensions: 4-door cab – 11' 5" high x 8' wide x 33'7" long (348 cm high x 244 cm wide x 1023 cm long)
2-door cab – 11' 5" high x 8' wide x 29'10" long (348 cm high x 244 cm wide x 909 cm long)
General video tape, narrated in English, describes typical operations, controls and switch locations.
Two sets of chassis manuals with service, maintenance and troubleshooting instructions. Wiring and air schematics also included.
Two operation and safety manuals.
Three days of training will be conducted at the department by a qualified Emergency One, Inc. Delivery Engineer.

WARRANTIES:

10-year structural body warranty, 10-year stainless steel plumbing warranty, 10-year paint, and lifetime corrosion warranty
1 year basic vehicle warranty
Lifetime polypropylene tank warranty