

CALCULATED WEIGHT

| Body Height | Body Length | | | | | | | | | |
|-------------|-------------|------|------|------|------|------|------|------|------|------|
| | 10' | 12' | 14' | 16' | 18' | 20' | 22' | 24' | 26' | 28' |
| GVSD79 | 1646 | 1838 | 2021 | 2193 | 2538 | 2727 | 2939 | 3130 | 3341 | 3529 |
| GVSD85 | 1700 | 1895 | 2082 | 2257 | 2608 | 2801 | 3016 | 3111 | 3426 | 3617 |
| GVSD91 | 1739 | 1938 | 2147 | 2305 | 2662 | 2858 | 3078 | 3275 | 3496 | 3687 |
| GVSD97 | 1797 | 1998 | 2191 | 2374 | 2737 | 2936 | 3159 | 3361 | 3585 | 3782 |
| GVSD103 | ---- | ---- | 2237 | 2423 | 2792 | 2995 | 3223 | 3428 | 3655 | 3855 |
| GVSD109 | ---- | ---- | 2293 | 2481 | 2857 | 3063 | 3295 | 3504 | 3735 | 3939 |

REAR FINISHES (bumper blocks optional)



Standard 5" structural DOT underride with poched surface (no dock bumper)



Structural DOT underride & wood filled dock bumper



Center (Chicago) style drop step



2 step fixed with poched surface



Type "B" drop step with skid resistant step surface



Full width drop step with poched surface

REAR DOOR OPTIONS



Single Panel Narrow Opening



2 Panel Narrow Opening



2 Panel Full Opening



3 Panel Full Opening



4 Panel Full Opening



Overhead Rear Door

SIDE DOOR OPTIONS



Single Opening



Double Opening



Single Roll-Up Door

Dry Freight Truck Bodies

BENEFITS

- Morgan's Aerodynamic front end and patented Poly-Tuff™ corner caps increase fuel efficiency and help reduce damage / minimize repairs.
- Fully sealed, plugged together wiring for exterior clearance and ID lighting.
- Lifetime warranty on optional LED clearance and marker lighting.
- Two 5/16" screws per floor-board, staggered pattern stabilizes crossmembers.



HOW TO: Build a Dry Freight Body



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START BY ASKING:

- What is your business?
- What are you hauling?
- How do you load/unload?
- What is your present equipment?
- When do you need delivery?

STANDARD SPECS AND EQUIPMENT

SUBFRAME

- 4" steel I-beam longrails, 3" steel I-beam crossmembers on 16" centers for 12'-16' lengths, 12" centers and steel wheel pans for 18'-26' lengths.

FLOOR TYPE

- 1-1/8" laminated hardwood flooring with 5/16" floor screws on staggered pattern, 2 screws per board per crossmember.

FRONT-END ASSEMBLY

- Aerodynamic design with contoured Poly Tuff corner caps, aluminum 9" top radii and 5" corner radii. Streamlined extruded aluminum body extrusions, connectors and rails.

SIDEWALLS & FRONT

- .040" prepainted white aluminum sheets riveted to vertical steel Z-posts on 16" centers.

ROOF ASSEMBLY

- .032" one-piece aluminum sheet with anti-snap roof bows and seamless roof capping process for improved adhesive seal at all contact points. Roof bows on 24" centers to prevent water/ice pooling.

REAR FRAME

- Header design with rain channel/drip rail for clearance light protection. Rear frame header gussets and reinforced end plate. (Standard on 18' & longer bodies.) Painted steel threshold with drain holes. Curbside and roadside grab handles.

LIGHTS

- One-piece aluminum top rail with recess to protect clearance lights meet federal requirements, easy maintenance, and sealed wire harness. Interior perimeter wiring without splices.

REAR DOOR

- Overhead roll-up rear door.

POPULAR OPTIONS

- 102" wide body
- Various rear finishes, bumpers, fixed and fold-out steps
- Wheel boxes
- Tandem reinforcement
- Various overhead or panel-style rear and side doors
- Interior wall cargo-restraint systems, tie rings, E-track, F-track
- Various floor cargo-restraint systems, D-rings, Bull rings and stake pockets
- Apitong, laminated hardwood and diamond plate floors
- Apitong, hardwood, steel, aluminum and glassboard scuffs
- Translucent roof
- Additional crossmembers
- Stainless steel front corner and top radii
- Various interior liners
- Loadholder track-floor & ceiling
- Tubular, air freight and stainless steel rear frames
- Variety of liftgates & walk ramps
- SmoothWall™ construction
- Various shelving configurations
- LED Lighting Systems with Lifetime Warranty
- Maximizer Side Door, swing, roll-up and sliding with recessed stepwell
- Reinforced front end
- Floor and liner varnish
- Interior lighting - numerous incandescent, fluorescent and LED interior lighting options
- Insulation package - for temperature Protection
- Rubber bumper blocks

Questions to Ask

Q. What lengths, widths and heights are required?

- A. Available — lengths 10'-28', widths 96" and 102", heights 79", 85", 91", 97", 103" and 109".

Q. Are there any critical dimensions such as overall length, width or height?

- A. Special lengths, widths and heights available upon request.

Q. What type of body construction is required?

- A. Aluminum sheet and post, Morganplate or FRP — Fiberglass Reinforced Plywood.

Q. What interior liner do you require?

- A. Plywood, slats, scuff, with FRP — Liner not required.

Q. How is your cargo restrained?

- A. "E" or "F" track, tie rings, surface or recessed mount. Reminder: specify location!

NOTE: Federal Motor Carrier Safety Regulations stipulate that the owner / operator is at all times responsible for insuring cargo is properly secure at all times.

Q. What are your side and rear door requirements?

- A. A variety of panel door options, plastic and aluminum covered overhead for rear and side; and a sliding or overhead side door with recessed step ("the Morgan Maximizer").

Q. What about company color and graphics?

- A. Prepainted sheets and panels, custom paint and decal installation.

Q. How do you load & unload?

- A. Several different forklift/pallet jack options are available, including additional crossmembers, threshold plate, reinforced rear end plate, reinforced front end, heavy duty floor.

Q. What interior/exterior lighting options do you require?

- A. Interior lighting available in incandescent, fluorescent and LED versions. Exterior lighting available in incandescent or LED versions. Recessed taillights available in SOME rear frames.

Q. Is there a liftgate required?

- A. Cycle time is one of the most critical items to help determine which liftgate is appropriate. Ask how many times the liftgate will be operated. Liftgate options include tuck away, conventional and rail type models. (Please consider platform size and capacity, bumper type, structural or fabricated.) Stop, turn and taillights provided with chassis or recessed in corner post. (Recessed in corner post feature suggested with tuckunder liftgate application.)

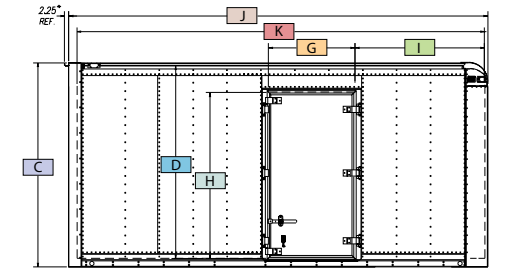
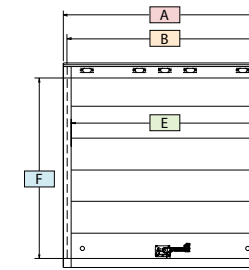
Q. What bumper, step and/or ramp requirements are necessary?

- A. Bumper options include standard DOT underride and step bumpers; folding steps are available; walkramp options include Morgan standard or ventilated with available spring assist for easier operation.

NOTE: For rear finish you should be asking about dock loading or ground loading / unloading to make sure the correct type of bumper / step is offered.

NOTE: Certain state laws dictate rear vision detections or appropriate warning / safety devices be installed. Morgan Corporation offers various safety related items to fill those requirements.

DIMENSIONAL DATA



DIMENSIONAL KEY

A = Overall Width

B = Interior Width (Includes 1/4" Plywood Liner)

C = Exterior Height*

D = Interior Height

E = Rear Door Opening Width

F = Rear Door Opening Height

G = Side Door Opening Width

H = Standard Side Door Opening Height

I = Leading Edge Of Side Door To Inside Front Of Body

J = Exterior Length Of Body**

K = Inside Front Liner To Inside Rear Door Panel

| DIMENSIONAL DATA | | | | | | | | |
|------------------|---------------------------|---------|----------|----------|---------------------------|----------|--------------------------------|---------|
| Body Model | Height & Width Dimensions | | | | Rear Roll-up Door Opening | | Side Door Opening Single Panel | |
| | A | B | C* | D | E | F | G | H |
| GVSD79 | 96" | 92 3/8" | 85 3/8" | 79 1/8" | 88" | 73 1/4" | 40 11/16" | 72 1/4" |
| GVSD85 | 96" | 92 3/8" | 91 3/8" | 85 1/8" | 88" | 79 1/4" | 40 11/16" | 78 1/4" |
| GVSD91 | 96" | 92 3/8" | 97 3/8" | 91 1/8" | 88" | 85 1/4" | 40 11/16" | 78 1/4" |
| GVSD97 | 96" | 92 3/8" | 103 3/8" | 97 1/8" | 88" | 91 1/4" | 40 11/16" | 78 1/4" |
| GVSD103 | 96" | 92 3/8" | 109 3/8" | 103 1/8" | 88" | 95 1/4" | 40 11/16" | 78 1/4" |
| GVSD109 | 96" | 92 3/8" | 115 3/8" | 109 1/8" | 88" | 103 1/4" | 40 11/16" | 78 1/4" |

*Note: Exterior height includes roof crown but does not include body longitudinals.

| BODY LENGTH DIMENSIONS | | | | | | | | | | |
|------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Normal Length | 10' | 12' | 14' | 16' | 18' | 20' | 22' | 24' | 26' | 28' |
| J** | 10' 5 3/8" | 12' 5 3/8" | 14' 5 3/8" | 16' 5 3/8" | 18' 5 3/8" | 20' 5 3/8" | 22' 5 3/8" | 24' 5 3/8" | 26' 5 3/8" | 28' 5 3/8" |
| K | 9' 11 1/2" | 11' 11 1/2" | 13' 11 1/2" | 15' 11 1/2" | 17' 11 1/2" | 19' 11 1/2" | 21' 11 1/2" | 23' 11 1/2" | 25' 11 1/2" | 27' 11 1/2" |

Notes: Inside length is based on roll-up rear door and 1/2" plywood on front end. Add 1 1/2" if body has swing doors. Exterior length is less rear light protector. If body does not have a liftgate or dock bumper, add 2 1/4" to overall length to cover rear light protector.

| STANDARD SIDE DOOR LOCATIONS | | | | | | | | | | |
|------------------------------|----------|-----|-----|----------|-----|-----|-----|-----|-----|-----|
| Body Length | 10' | 12' | 14' | 16' | 18' | 20' | 22' | 24' | 26' | 28' |
| I | 29 7/32" | | | 61 7/32" | | | | | | |

Note: Foremost location of side door is 19 7/32" from inside front wall. Door can be moved fore and aft of standard location on 2" increments only. Door location does not include front liner. Deduct thickness of liner as required.