



HOW TO BUILD A REFRIGERATED BODY

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?



QUESTIONS TO ASK

WHAT LENGTHS, WIDTHS AND HEIGHTS ARE REQUIRED?

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

ARE THERE ANY CRITICAL DIMENSIONS SUCH AS OVERALL LENGTH, WIDTH OR HEIGHT?

Special lengths, widths and heights available upon request.

WHAT PRODUCT IS BEING TRANSPORTED?

Product temperature is critical in calculating the amount of insulation.

WHAT TEMPERATURE(S) DO YOU NEED TO MAINTAIN?

More or less insulation according to door openings (daily) and temperature required.

HOW OFTEN WILL THE DOORS BE OPENED DAILY?

Optional movable partitions are available. Contact Morgan with customer requirements.

WHAT TYPE OF FLOOR IS REQUIRED?

Duct board floor standard, flat floors available upon request.

WHAT TYPE OF BODY CONSTRUCTION IS REQUIRED?

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

WHAT REFRIGERATION EQUIPMENT IS BEING USED? (TYPE AND POWER)

Mechanical refrigeration is available.

HOW IS YOUR CARGO RESTRAINED?

"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.*

WHAT ARE YOUR SIDE AND REAR DOOR REQUIREMENTS?

Overhead and panel-swing doors along with door curtains are available.

IS A FORKLIFT OR PALLET JACK USED?

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

WHAT INTERIOR/EXTERIOR LIGHTING OPTIONS DO YOU REQUIRE? Interior lighting options include dome lights and spotlights; Exterior lighting options include additional clearance lights, marker lights, and spotlights. Recessed taillights in corner posts.

IS THERE A LIFTGATE REQUIRED?

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.)

WHAT BUMPER, STEP AND/OR RAMP REQUIREMENTS ARE NECESSARY?

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.*

WHAT ABOUT COMPANY COLOR AND GRAPHICS?

Prepainted sheets and panels, custom paint and decal installation.

STANDARD SPECS

SUBFRAME

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

FLOOR TYPE

Two 5/16" screw per every other floor board, staggered pattern stabilized crossmembers.

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, vertical lightweight aluminum hat 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

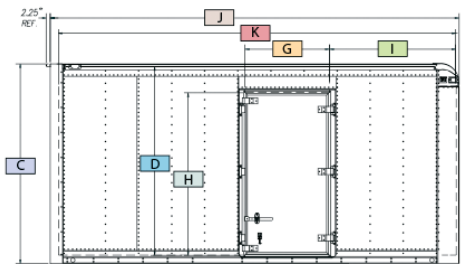
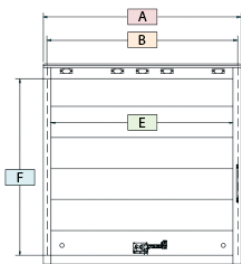
One-piece aluminum top rail with recess to protect clearance lights meet federal requirements, easy maintenance, and sealed wire harness. Interior perimeter wiring without splices.

REAR DOOR

Overhead roll-up rear door.



DIMENSIONAL FEATURES



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

WIDTH DIMENSIONS

Exterior Body Width	A	B			
		1.38" Foam	3" Foam	4" Foam	5" Foam
90	90"	86 3/16"	83 3/16"	81 3/16"	79 3/16"
96	96"	92 3/16"	89 3/16"	87 3/16"	85 3/16"
102	102"	98 3/16"	95 3/16"	93 3/16"	91 3/16"

Notes: Interior width dimension is from scuff to scuff.

HEIGHT DIMENSIONS

Body Height	C	D		
		1.38" Foam	3" Foam	4" Foam
79	85 3/8"	73 7/8"	72 7/8"	71 7/8"
85	91 3/8"	79 7/8"	78 7/8"	77 7/8"
91	97 3/8"	85 7/8"	84 7/8"	83 7/8"
97	103 3/8"	91 7/8"	90 7/8"	89 7/8"
103	109 3/8"	97 7/8"	96 7/8"	95 7/8"

Notes: Exterior height does not include longitudinals. Interior height is based on standard 4" floor foam. Subtract 1" to 5" floor foam. Add 3 9/16" for foam between sills.

BODY LENGTH DIMENSIONS

Normal Length	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'
J**	10' 5 5/8"	12' 5 5/8"	14' 5 5/8"	16' 5 5/8"	18' 5 5/8"	20' 5 5/8"	22' 5 5/8"	24' 5 5/8"	26' 5 5/8"	28' 5 5/8"
K	9' 7"	11' 7"	13' 7"	15' 7"	17' 7"	19' 7"	21' 7"	23' 7"	25' 7"	27' 7"

Notes: O/H Door Dimensions are for a single insulated door. Subtract 1" for double insulated door.

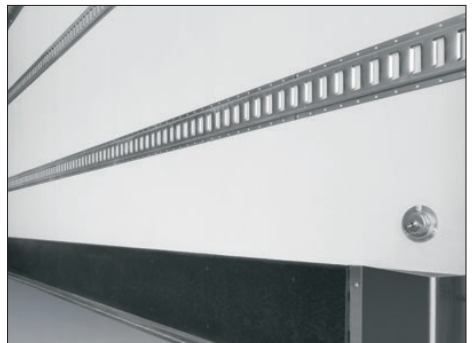
STANDARD SIDE DOOR LOCATIONS

	Body Length									
	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'
G	29 11/16"				61 11/16"					

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.

POPULAR OPTIONS

- » 102" Wide Body
- » Various Rear Finishes, Bumpers, Fixed and Fold-Out Steps
- » 4" and 5" Insulation Packages Available
- » Morgan Low Mount Monorail Walkramp
- » Liftgates
- » Refrigeration Unit and Installation
- » Cargo Restraint Systems
- » Interior Wall Cargo-Restraint Systems, Tie Rings, E-Track, F-Track
- » Strip Curtains
- » Bulkheads – Permanent or Movable
- » Side and Rear Door Options
- » Various Flooring Options
- » Aluminum Sheet and Post, Morganplate or FRP – Fiberglass Reinforced Plywood
- » Custom Paint and Decal Installation
- » Various Lighting Options
- » Multi-Temperature Applications
- » Custom Side Door Steps
- » Customized Rear Bumpers
- » Shelving and Rack Systems
- » Various Scuff Plate Options
- » Variety of Liftgates and Walk Ramps
- » Various Shelving Configurations
- » Interior/Exterior Lighting Options



CALCULATED WEIGHT (LBS)

Body Model	Body Length									
	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'
GVSR79	2440	2685	2944	3194	3456	3707	3967	4221	4482	4732
GVSR85	2505	2754	3019	3273	3539	3796	4059	4318	4584	4839
GVSR91	2571	2824	3092	3352	3613	3884	4153	4418	4691	4947
GVSR97	2635	2883	3166	3430	3705	3971	4244	4514	4789	5053
GVSR103	-	-	3239	3510	3789	4057	4338	4611	4891	5160

Note: Weight is calculated weight based on typical GVSD. Actual weight may vary.
Body Weight Includes: Base body, O/H rear door, D.O.T. underride, mud flaps, lighting per FMVSS 108, mounting kit, glassboard liner front, sides and ceiling, steel reinforcement for one-piece Reefer unit, 3" foam sides and ceiling, 4" foam front and floor, smooth extruded aluminum hat floor, 4" Jr. I-beam longitudinals

REAR FINISHES



Standard ICC



Standard ICC with Dock Bumper



ICC with additional Options



Drop Step Bumper



Center Drop Step

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



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Products as shown may include optional equipment that is not part of the standard Morgan Truck Body configuration. Some product images may differ from current configurations and may not be available as depicted at the time of your order. NOTE: All dimensions, weights, and measurements specified herein are subject to Morgan's manufacturing tolerances, may change without notice, and may vary depending on options selected. Please contact your Morgan Representative for available options, complete up-to-date specifications and for measurements for your particular truck body and chassis specifications.
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