

ARGOSY COMPACT BUS STANDARD SPECIFICATIONS

These specifications provide for a compact bus with seating capacity for 15, 19, 21, and 25 passengers. The vehicle is designed and equipped to meet all applicable Federal Motor Vehicle Safety Standards. Perimeter seating is available, as well as lift-equipped units for handicapped and elderly passengers.

	CB-20 15-Passenger	CB-22 19-Passenger	CB-24 21-Passenger	CB-26 25-Passenger
General Specifications				
Outside vehicle width	96"	96"	96"	96"
Inside vehicle width	92"	92"	92"	92"
Length	240"	264"	288"	312"
Height	109"	109"	109"	109"
Head room — center aisle	79¼"	79¼"	79¼"	79¼"
Center aisle width with 34" seats	22"	22"	22"	22"
Center aisle width with 39" seats	12"	12"	12"	12"
Height of door opening	80½"	80½"	80½"	80½"
Step height from ground	9½"	9½"	9½"	12"
Curb weight	7,290	7,755	8,515	9,345
Chassis — Chevrolet				
Model	CP30832	CP30832	CP31132	CP31432
Wheelbase	125"	125"	137"	154.5"
GVWR	12,500	12,500	12,500	14,500
GAWR (front)	5,000	5,000	5,000	5,000
GAWR (rear)	7,500	7,500	7,500	9,840
Engine — w/oil cooler				
350 CID-8	350 CID-8	350 CID-8	454 CID V-8	454 CID V-8
Bore	4.00	4.00	4.25	4.25
Stroke	3.48	3.48	4.00	4.00
Displacement	350 cu. in.	350 cu. in.	454 cu. in.	454 cu. in.
Brake Horsepower	165 @ 3800 RPM	185 @ 3800 RPM	*240 @ 3800 RPM	*240 @ 3800 RPM
Torque (pound feet)	255 @ 2800 RPM	255 @ 2800 RPM	*370 @ 2800 RPM	*370 @ 2800 RPM
*For California only — 250 @ 3800 RPM 385 @ 2800 RPM				
Number of main bearings	5	5	5	5
Transmission				
Turbo Hydramatic with auxiliary Hayden cooler	Model 400	Model 400	Model 400	Model 475
Turning Radius				
Curb to Curb	22' 11"	22' 11"	24' 10"	28' 3"
Axes and Suspension				
Front axle capacity	5,000	5,000	5,000	5,000
Front spring capacity	2,500	2,500	2,500	2,500
Rear axle capacity	7,500	7,500	7,500	10,000
Rear spring capacity	3,750	3,750	3,750	5,000
Rear axle ratio	4.10:1	4.10:1	4.10:1	4.56:1
Brakes (power hydra-boost)				
Front (Disc Rotor)	12.5 x 1.53"	12.5 x 1.53"	12.5 x 1.53"	14.25 x 1.53"
Lining	46 sq. in.	46 sq. in.	46 sq. in.	46 sq. in.
Rear (Drum)	13" x 3.5"	13" x 3.5"	13" x 3.5"	15" x 4"
Lining	162.35 sq. in.	162.35 sq. in.	162.35 sq. in.	219.49 sq. in.
Steering	Integral hydraulic power assist tilt steering wheel			
Wheels and Tires				
Tread — Front	8.75 x 16.5 E (10PR) 16.5 x 6 Rim 69.68	8.75 x 16.5 E (10PR) 16.5 x 8 Rim 69.68	8.75 x 16.5 E (10PR) 16.5 x 6 Rim 69.68	8 x 19.5 D (8PP) 6.75 x 19.5 Rim 70.08
Tread — Rear	83.24 Dual	83.24 Dual	83.24 Dual	66.8 Dual
Stabilizer				
Front	Heavy Duty 1¼" Dia.	Heavy Duty 1¼" Dia.	Heavy Duty 1¼" Dia.	Heavy Duty 1¼" Dia.
Rear	Heavy Duty 1½" Dia.	Heavy Duty 1½" Dia.	Heavy Duty 1½" Dia.	Heavy Duty 1½" Dia.
Battery				
Two Batteries	80 amp hour 160 amp total	80 amp hour 160 amp total	80 amp hour 160 amp total	80 amp hour 160 amp total
Alternator				
Leace Neville	130 amp	130 amp	130 amp	130 amp
Fuel Tank	50 gallon	50 gallon	50 gallon	50 gallon
Door Opening Width	26"	26"	26"	26"

ARGOSY COMPACT BUS STANDARD SPECIFICATIONS

BODY AND UNDERFRAME

Side and roof section of body shell are constructed of .040 thick aluminum alloy sheet. Front/rear top segments are .032 stretch formed galvanized steel. Lower front segments are .040 stretch formed aluminum alloy. Lower rear segments are .032 stretch formed aluminum alloy. Bows are .188 thick aluminum alloy hat section shaped ribs extending from one side of coach to the opposite side. Cab area floor is 5/8" thick plywood assembled on .090 wall 1" x 2" steel tube with exterior under-floor aluminum sheet covering.

All body joints are a close riveted assembly with high strength heat treated rivets at floor line and front/rear end seams.

Front and rear bumpers are brushed aluminum with steel reinforced back-up attached to chassis frame. Tow eyes provided front and rear. Bumpers are of the wide channel wrap-around type with heavy duty cast aluminum bumper guards covered by rubber pads of sufficient strength to permit the pushing of one vehicle with another without damaging either vehicle's bumper. Anti ride panel provided at rear bumper.

Interior side and ceiling panels are .032 thick vinyl coated aluminum. In addition, side panels are sculptured high impact thermo-formed ABS .090 sheet installed over the aluminum for greater passenger safety.

Interior walls are insulated with 2 1/4" thick fiberglass panels.

STEPWELLS

Stepwells are constructed of steel and welded directly to the frame. Rise height, 8"; tread depth, 9 3/4"; tread width, 26 1/2". All stepwells equipped with automatic night illumination.

WHEELHOUSES

The wheelhouse is constructed of an outer galvanized steel wheelhouse and a steel inner wheelhouse with 2" thick fiberglass insulation between the two, with a .090 ABS inner cover.

SUB-FLOOR

The plywood used for sub-flooring is a minimum of 1/2" thickness exterior plywood, grade BD completely reinforced with 3/4" plywood between chassis members. The floor is supported on a full width sub-chassis of 1" x 2" steel tube with gusseted steel outriggers extending down to the main chassis. Plywood edges are fully protected by an aluminum extrusion. Sub-floor is laid in such a manner as to be free from squeaks and be securely attached through cross sills.

FLOOR COVERING

Choice of interior flooring is rubber or commercial type vehicle carpeting. The rubber flooring is manufactured by RCA Transit flooring. Step tread is 5/16" ribbed rubber flooring material with steel backing and white hypalon nosing for added safety. Center aisle strip and driver's platform is 3/16" ribbed rubber flooring material. Floor area under seats is covered with 1/2" RCA smooth rubber anti-skid flooring. Available in choice of colors. At the doors, the strip is laid with ribs perpendicular to the center aisle. At the front door the joints between aisle strip and door strip are mitered at approximately 45° with grooves matching. All joints in flooring are butt-cut joint type, properly sealed.

A heavy-duty commercial type of carpeting is available upon request.

SIDE WINDOWS

Large tinted side windows are standard on all models. Passenger sliding windows have an aluminum sash of the double bay, horizontal slide type glazed with tempered safety glass set in vinyl and felt. The sliding section of the windows is equipped with a device to prohibit the window from moving forward during vehicle stops. Driver's window is rear sliding split type tinted safety glass. Passenger escape windows are provided on each side with emergency release latches that automatically activate a warning alarm when the window is released. Emergency window release instructions are on the emergency handles.

REAR WINDOWS

Rear window is glazed with tinted tempered safety glass. Window consists of three sections; one flat center section and two curved side sections. Back is safety equipped with a clear 20" x 40" opening for quick passenger escape, utilizing the same emergency release system as the side windows.

WINDSHIELD

There are approximately 3,200 square inches of tinted windshield area allowing the driver an unobstructed view. The windshield is a two-piece fixed-type quarter-inch laminated safety glass set in heavy rubber channels. Windshield visor is padded and easily rotates at a one hundred and twenty degree plane above driver.

WINDSHIELD WIPERS

Two heavy-duty electric two-speed windshield wipers, controlled by dual switches mounted on the dash for convenience of the operator, are provided. An electric windshield washer is also provided. Windshield wiper motors are mounted inside of the front engine access compartment for ease of inspection or maintenance.

SEATING

Individually contoured passenger seats are two-passenger, forward-facing, 34" width allowing a 22" aisle or a 39" width allowing a 12" aisle. A passenger grab bar is affixed to each seat back next to the aisle. Each passenger seat has an all-steel construction with 16 gauge 1" O.D. tube. Back and seat cushions are supported with tension suspension bands. Cushions are full remolded 4 lb. density foam construction. Seat covering is 32 oz. long wearing vinyl with ventilated 48 oz. vinyl seat inserts. Inserts are custom pleated. Passenger perimeter seating is also available.

DRIVER'S SEAT

The driver's seat swivels for easy entry into seat. A pin-loc lever is provided for positive lock in driving position. Seat slides provide fore and aft adjustment with integral height adjustment. The driver's seat has the same general specifications as the passenger seats. It is of full-foam construction. The seat and bolster are perforated material.

EXTERIOR LIGHTING

The exterior lighting meets all Federal requirements. The coach is provided with 12 volt, sealed beam, automotive headlights having tilt ray features which are controlled by a button dimming switch mounted on the floor convenient to the operator's left foot. A headlight high beam indicator is installed on the instrument panel.

Two 4" square automotive type, combination stop and turn lights and two 4" back-up lights are provided for the rear of the coach. Two automotive type turn indicators are provided on the front of each vehicle. Turn signals are controlled by one switch of the self-cancelling type. Rear lights are red; front lights are amber. Front and rear lights are of the flush-mounted type. The stop lights switch is of high quality and gives foolproof performance. The location of the stop light switch is in such a place as to be protected from road splash and other contaminants. Also, illumination is provided for the rear license plate.

Roof marker lights, one at each corner of the coach, are provided, as well as three clearance lights, both on the front and rear of the vehicle. Four I.C.C. reflectors — two amber on lower front and two red on rear — are provided.

Hazard warning flasher is connected with turn lights circuit for emergency stops. The hazard warning flasher is also activated each time the door opens.

INTERIOR LIGHTING

12 volt lights extending the full length of the passenger compartment on either side provide lighting adequate for night reading and operation with or without engine running. This system is controlled from driver's compartment.

The door stepwell and the area immediately outside in front of the door are illuminated from a light in the stepwell and above the door. Lights are activated by door opening. They can be shut off during daylight hours.

GRAB RAILS AND STANCHIONS

All stanchions and grab rails are 1-5/16" O.D. stainless steel tubing. All fittings are polished cast aluminum.

Stanchions are mounted at aisle to the rear of the driver's seat extending from floor to ceiling and aft of door stepwell at the aisle.

Horizontal grab rails extend from stanchions to the sidewalls at the entrance door. Hand assist rails are installed and angled from the door stanchions to the bottom step on either side of the door to assist passengers.

MODESTY PANEL

A color coordinated vinyl modesty panel is attached to the stanchion and grab rail of the door stepwell and on rail aft of driver.

MIRRORS

A 4" x 16" rectangular (framed safety glass) inside rear view mirror is mounted on windshield center post.

Fully adjustable outside rear vision mirrors are provided on right and left sides of the bus.

Mirrors can be mounted with a feature that allows the mirrors to be moved out of the way when the bus is washed with automatic bus washing machine.