



8504

65 ELMVALE

OC Transpo

8504

POP

# 60' ORION-IKARUS ARTICULATED TRANSIT BUS

## SPECIFICATIONS

### DIMENSIONS

Length over body	58' 11"
	(17960 mm)
Length over bumpers	59' 7"
	(18160 mm)
Width	102"
	(2590 mm)
Height	124"
	(3150 mm)
Floor height	38"
	(968 mm)
Step height	16"
	(403 mm)
Turning radius	43' 6"
	(13260 mm)
Curb weight	
Front	12456 lbs (5660 kg)
Center	16517 lbs (7470 kg)
Rear	9006 lbs (4090 kg)
Total	37979 lbs (17220 kg)

### AXLES

Rockwell Standard  
Front — FL941 18000 lbs capacity (8160 kg)  
Drive — 59742W 24000 lbs capacity (10840 kg)  
Ratio — 4.56-1 60 mph (97 kmh) Other ratios available.  
Rear — FL-941 18000 lbs capacity (8160 kg)

### BODY

Integral body/chassis structure using rectangular steel tube space frame. Roof made from stamped steel sheet. Side panelling welded and riveted zinc-coated steel sheet. Wheelhousing — stainless steel.

### BRAKES

Air operated with SAB automatic slacks. Bendix valves and chambers.  
Foundation brake size: 16.5" x 6" (419 mm x 152 mm) on front and rear axle and 14.5" x 10" (368 mm x 254 mm) on center drive axle.  
Bendix AD-2 air dryer.

### COOLING

Double fan, hydraulic driven, thermostatically controlled. One radiator mounted on curb side behind front axle. Thermo controlled shutter in front of radiator.

### DESTINATION SIGNS

Above windshield, electrically operated. Electronic and multiple roll signs available for front and side. Optional route number sign available for front and side. Optional route number sign available for rear window.

### DOORS

All three doors are double leaf slide glide. Front door air-operated — exit door electro-pneumatic treadle-operated with sensitive edges, 48" (1220 mm) clear opening, double stream.

### ELECTRICAL

24 volt system except headlights, radio, farebox. Alternator — Electrodyne 240 amps 24 volt.  
Batteries — 2 group 8D-204 12 volt mounted on slide-out tray.  
Starter — 24 volt Delco Remy.  
Wiring — Heavy duty numbered with flame resistant insulation. Main control panel accessible from outside under driver's window.  
Auxiliary panel on driver's side behind drive wheel. Passenger "Next Stop" operated by pullcord.

### ENGINE

Cummins NHHC-300 diesel in-line horizontal 4 stroke.  
Rated 300 HP at 2100 RPM.  
Located under floor in tractor section.

### FLOOR

13/16" (20 mm) plywood with center layer of 1/8" noise deadening material over engine.  
Black or colored RCA rubber grooved flooring in aisles. Yellow nosing on steps.

### FUEL TANK

Saddle tanks in trailer section filled from curb side. 94 Imp. or 112 U.S. gallons (430 liters).

### HEATING

110,000 BTU (27500 Kcal) rear heater.  
5-42,000 BTU (10500 Kcal) heater units distributed in tractor and trailer.

All passenger units blow air into stainless steel ducts at floor level and up the sides through a warm wall system onto the side windows.

60,000 BTU (15000 Kcal) front heater and defroster.

80,000 BTU (20000 Kcal) diesel fuel-operated water heater to boost water temperature.

### INSULATION

1-1/2" (40 mm) individually packaged fiberglass batts.

### INTERIOR TRIM

1/10" (2.5 mm) bus grade melamine panels.

### MIRRORS

Left side 8" x 8" (200 mm x 200 mm)  
Right side 8" x 8" (200 mm x 200 mm)  
Inside 16" x 4" (400 mm x 100 mm)

### SEATING

Air ride or conventional driver's seat.  
Passenger seating — 73 maximum with 73 standees.

### STEERING

Sheppard integral power steering.

### SUSPENSION

Full air — front and rear — 2 bellows center drive — 4 bellows  
8 heavy duty shock absorbers

### TRANSMISSION

Allison HT747 4-speed automatic.  
Optional — Allison HTB748 with integral hydraulic retarder.

### VENTILATION

3 roof hatches for ventilation and emergency egress.  
All side windows have upper tip-ins.

### WHEELS & TIRES

8 Lemmerz 10 stud 9.00 x 22.5 rims suitable for 315/75R 22.5 radial tires or 13/22.5 bias ply regroovable tires. 1 spare rim shipped loose.

### WINDOWS

Single glazed with upper tip-in.  
All passenger windows are emergency egress.  
Driver's window — full height sliding.

### WIPERS

Air operated, variable speed.  
Windshield washers wet arm standard with 5 gallon (22 liters) tank and outside fill.

### BUMPERS

Energy absorbing Help bumpers front and rear.



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