

# BRT



**N**ABI's "BRT" vehicles set the standard for bus design. Recognized in the industry as the leader in BRT styling, this platform incorporates a raked and aerodynamic front mask design for that rail-like, sleek appearance which demands attention from your passengers and invites those who would not normally ride the bus to "come aboard".

The first NABI BRT buses were delivered in 2005 with the 3-axle 60-foot articulated version and the 2-axle 42-foot version steadily gaining in popularity ever since. These beautifully styled, low-floor, high capacity vehicles are available using diesel and natural gas fuels, with conventional as well as hybrid drive systems. The styling is further enhanced by the vehicles' fully enclosed mechanical attic, which runs full

length of the vehicle (front and rear bodies for the 60-BRT), stylized bumpers and graceful lines. The NABI BRT is stunningly styled from every angle.

But, don't be fooled by the sleek styling! The NABI BRT has been engineered and "Whole Bus Tested" at the Altoona Bus Testing Center as a heavy-heavy-duty transit bus and is equipped with a proven structure and industry standard components for dedicated BRT operation as well as regular fixed route service. All body surfaces are inherently corrosion resistant, and side skins are easily replaceable in sections from aluminum sheet.

The NABI BRT has what it takes for years of dependable and reliable service.



- The BRT's modern, streamlined appearance emulates a light-rail car and helps to entice "choice riders" out of their vehicles and into the bus
- The tall windows allow a great deal of visibility and a large amount of light to enter the bus
- Its large "dual stream" doors provide the maximum ease in boarding or exiting the bus
- Its high interior ceiling height increases the feeling of openness and space inside the bus
- The main electrical panel containing the main Bus Controller, certain of the multiplex zone controllers, bus circuit breakers and relays is now located in the driver compartment area, which provides a cleaner environment for these important electrical system components as well as easier access for service technicians
- The BRT has a double-wall roof structure, creating an "attic" about 18 inches high for the full length of the BRT vehicle (both bodies on the 60-BRT). This

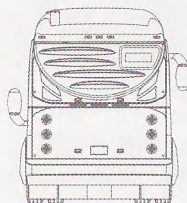
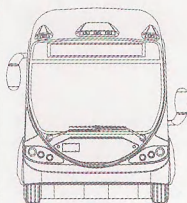
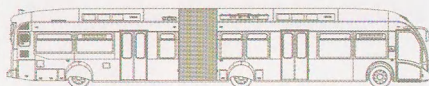
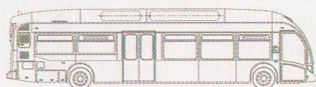
attic is to contain rooftop HVAC modules, CNG tanks... all in a streamlined fashion without the use of "dog houses" scabbed onto the roofs. The roofs have hinged clam-shell doors to provide easy access to the attic-mounted equipment

- The front mask of the BRT obviously has the "swoopy" styling with one-piece windshield and triangular quarter-panels
- The front end of the BRT uses a W/s wiper system that incorporates overlapping blades. This feature results in a windshield that is wiped clear across, without the visual obstruction of the unwiped area that normally occurs near the center post
- The headlight design utilizes round headlights that encompass multiple headlight technologies (Halogen, Led, smart Led, etc.) and are "general use" components with routine availability in the after market
- The BRT uses coach type mirrors on both sides, servo actuated on both sides with turn signal indicators integrated into the mirror heads. These

mirrors, including arms can be colored to match the BRT body color

- The BRT uses custom made bumpers styled to blend with the streamlined styling. Also, these bumpers can be colored to match the BRT body color
- The bellows (in the articulated "bogie" section) used on the 60-BRT is a double-wall construction at the top. In this manner the bellows matches the roof contour as viewed from the outside, but there is a normal, ceiling-height bellows at approximately the same height as the ceiling panels inside the passenger compartment
- The rear mask is higher and is restyled to blend with the higher roof, much the same as the front mask
- The BRT offers an optional air disc brake package on all axles. Stopping distance tests for the BRT with these brakes have demonstrated superior braking performance with significantly less fade after repeated braking applications

## specifications



Equipment	42-BRT	60-BRT
Passenger Capacity - seated	43	63 (single exit door)
Length - over body	42' 6"	60' 0"
Length - over bumpers	43' 3"	60' 9"
Width - over body	102"	102"
Roof Height - overall	137"	137"
Wheelbase	307.83"	238.98"/278.82"
Front overhang	87.99"	87.99"
Rear overhang	123.62"	123.62"
Approach Angle - No skid plate	9°	9°
Approach Angle - With skid plate	8°	8°
Breakover Angle	8.5°	10.2°/8.7°
departure Angle	9°	9°
step Height - entry door	15.5"	15.5"
step Height - Center door	N/A	15.5"
step Height - exit door	15.5"	15.5"
Floor Height - Rear axle	35"	35"
Headroom - Front axle	96.5"	96.5"
Headroom - Rear axle	78.5"	78.5"
Passenger doors - Front (clear opening)	36" plug type	36" plug type
Passenger doors - Center (clear opening)	N/A	36" plug type
Passenger doors - Rear (clear opening)	29" flip-out type	29" flip-out type
Turning Radius (outside)	45.5'	43'
Tire size	305/70R22.5	305/70R22.5
Weight - GVWR	43,420 lbs.	69,420 lbs.
diesel Fuel Tank Capacity	125 gallons	125 gallons
CNG Fuel Tank Capacity	(up to) 26,600 sCF	(up to) 27,300 sCF

Specifications and features are for reference only and subject to change without notice.

## standard equipment


- CUMMINS ISL 280 & 330 ENGINES
- ALLISON B400R & B500R TRANSMISSIONS
- MERITOR AXLES
- DINEX MULTIPLEX SYSTEM
- S-CAM BRAKES W/AUTOMATIC SLACK ADJUSTERS
- HYDRAULIC FAN DRIVE SYSTEM
- REAR-MOUNT HVAC (2-AXLE CNG) & ROOF-MOUNT HVAC (2-AXLE DIESEL, ARTIC DIESEL & CNG)
- FLUORESCENT INTERIOR LIGHTING
- WHEEL CHAIR RAMP - 1:4 OR 1:6 SLOPE AT ANY DOOR LOCATION
- 8D BATTERIES (2)
- CONVENTIONAL FRAME TYPE WINDOWS

## available options

- CUMMINS ISLH-280, ISBH-280, ISL-G280 (2-AXLE); ISLH-330 OR ISL-G 320 ENGINES (3-AXLE)
- ZF ECOLIFE TRANSMISSION; ALLISON H40EP & H50EP HYBRIDS
- DISC PLUS BRAKES (ALL AXLES)
- ALL-ELECTRIC COOLING FAN SYSTEM
- ALL-ELECTRIC HVAC
- LED INTERIOR LIGHTING
- MAINTENANCE-FREE BATTERIES (4)
- HIDDEN-FRAME TYPE WINDOWS
- ALL-COMPOSITE SUB-FLOORING
- CENTER AND REAR DOOR WIDTH OPTIONS -
- CENTER DOOR (60-BRT ONLY) - 29" FLIP-OUT; 36" & 44" SLIDE-GLIDE
- REAR DOOR (42-AND 60-BRT) - 36" & 44" SLIDE-GLIDE OR PLUG TYPE
- 150 GALLON USEABLE DIESEL FUEL TANK CAPACITY FOR 60-BRT

### HEADQUARTERS

106 National Drive, Anniston, AL 36207  
Tel: (256) 831-4296 • Fax: (256) 831-4299

 North American  
Bus Industries, Inc.  
[www.nabusind.com](http://www.nabusind.com)

### AFTERMARKET PARTS

2338 US Highway 42 South, Delaware, OH 43015  
Tel: (888) 333-6224 • Fax: (800) 794-9799