

Bridge Inspection Units Models UB50 & UB60



B.E.R. Equipment Rentals

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Bridge inspection is a demanding job, requiring specialized equipment designed to permit the inspector/operator to maneuver safely into every position near the bridge structure allowing for close evaluation. To accomplish this, the right equipment is essential.



We provide a total bridge inspection unit which allows you to work above, below or on the span... do your job, and do it with a minimum of inconvenience to the motoring public's routine.

Particular attention has been given to traffic control problems. The UB units afford stability without outriggers and the rotating counterweight stays within the 96" (2436 mm) width of the truck body thus keeping any portion of the unit from occupying more than one lane of traffic!

UB50 38'0" (11.6 m)

UB60 47' 3" (14.4m)



Spacious Work Platforms are standard with all units. The 600 lb. (272 kg.) capacity, 40"x 60" x 42" deep (102 cm x 152 cm x 107 cm) fiberglass platform, with recessed hand holds for added safety, is standard on the UB50. A 40" x 60" x 42" deep (102 cm x 152 cm x 107 cm) aluminum platform is standard with the UB60. All platforms are designed to be interchangeable.

Two power sources are provided. The primary source of power is a power-take-off from the truck transmission. A liquid-cooled diesel engine capable of powering the Bridge Inspection Unit is provided as backup.

Accessories available include an air compressor with air supply at the work platform and truck deck, three station communication system, 115/220-volt electrical outlets, platform heaters, flood-lights, tool trays and platform cover.

Overhead Capabilities are available on every UB model. There are not additional booms to attach and the third boom can be raised vertically.

Vertical distance from the bridge deck to the bottom of the work platform.

Unique Design Features



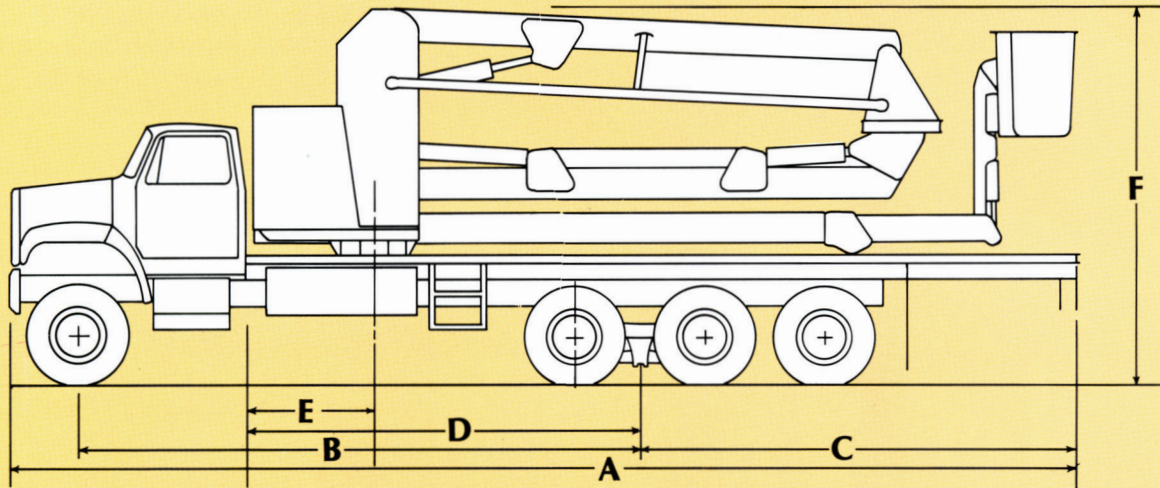
Extra Agility is a standard feature on the UB50 and UB60 models. These units offer a hydraulic activated fourth boom which extends the working range to include travel between bridge girders to get a close-up look at the back side. When the boom is placed perpendicular to the third boom, it is capable of placing an inspection 7' (2.1m) above the third boom on the model UB50, 9'9" (3.0 m) on the model UB60

Smooth, Precise Control Electro/proportional valves provide precise metering capability for all boom and rotation function, which each function having its own individual control. There are three (3) control stations provided. One at the work platform, a second attached to an extendible 20' (6.1 m) remote cord, both using interchangeable electro/hydraulic controls, and a third set, full hydraulic at the main control station. Each control station is equipped with an engine kill switch that when activated will shut off the auxiliary and the chassis engines. These features are all standard of UB units.



Maneuverability Two rotating turrets are provided, one at the pedestal (T-1) affording 155° of rotation and one at the end of the first boom (T-2) with up to 360° rotation. In the deployed position, T-2 has 224° rotation to provide more agility to thread through tight truss work and maneuver around underbridge supports, providing easier access to more underbridge area.

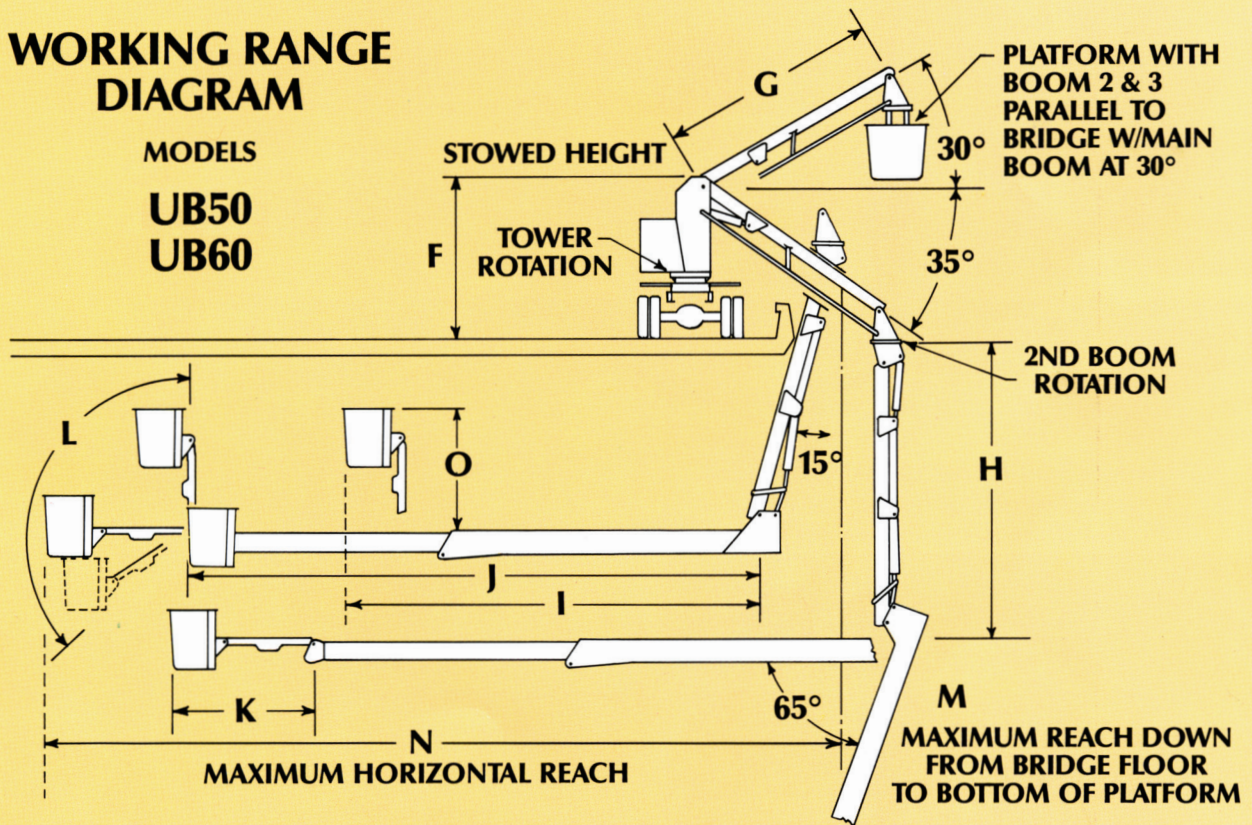
Bridge Inspection Units - Models UB50/UB60



WORKING RANGE DIAGRAM

MODELS

UB50
UB60



DIMENSION	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
MODEL UB50	37'0" (11.3 m)	19'2" (5.8 m)	14'11" (4.5 m)	14'4" (4.4 m)	4'3" (1.3 m)	13'3" (4.0 m)	16'11" (5.2 m)	24'1" (7.3 m)	24'8" (7.5 m)	37'8" (11.5 m)	8'0" (2.4 m)	125°	63'0" (19.2 m)	51'9" (15.8 m)	7'1" (2.2 m)
MODEL UB60	41'0" (12.5 m)	19'2" (5.8 m)	17'3" (5.3 m)	14'4" (4.4 m)	4'3" (1.3 m)	13'3" (4.0 m)	16'11" (5.2 m)	24'1" (7.3 m)	32'10" (10.0 m)	44'2" (13.5 m)	9'3" (2.8 m)	136°	70'0" (21.3 m)	60'6" (18.4 m)	9'9" (3.0 m)

The specifications and description listed herein were approved at the time of initial printing and are subject to change without incurring any liability. Also, this specification describes the operating parameters of a total bridge inspection unit system and is not intended to imply what is or is not included in the base price of the ASPEN AERIALS, INC. price list for this information.



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