

**ISOLAIR AVENGER AND AVENGER II
MODELS 3700 AND 3700-110 HELICOPTER SPRAY SYSTEMS**

Avenger

FAA approved on McDonnell Douglas (Hughes) 500 C, D, E, F, FF and N Helicopters

Model 3700: FAA STC SH 3339NM Model 3700-110: FAA STC SH 3686NM



Designed for optimum convenience and performance, Isolair Avenger spray systems are ideal for application of any liquid pesticide, herbicide or insecticide with McDonnell Douglas (Hughes) 500 series helicopters.

The Avenger II is offered with slightly less capacity and lower gross weight for best performance on 500C aircraft.

Both systems feature the user-oriented innovation and quality manufacturing that make Isolair the favorite of pilots and application managers.

Easy to install

One person installation.

Lightweight

Gain 100 pounds of payload.

Cargo Hook

Can be used with system installed.

Standard Skid Gear

Extended or high skid gear is not required.

Increased VNE

Air speeds to approximately 130 MPH.

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Components and Specifications

System Components

Pump: Electric motor driven, flow: 100 GPM (378 ltr/min) at 30 PSI (2.1 kg/cm²).

Boom Valve: Electric motor driven. Provides negative pressure on boom in Off position.

Flow Control Unit: Allows pilot to enter desired boom pressure in flight.

Cyclic Control: Allows pilot control of pumps, boom valve, emergency dump, flow control (boom pressure) and Auto Flagman (optional).

Boom Assembly: Outboard booms can be rotated for desired nozzle position relative to airflow across nozzle orifice.

Tank Assembly: External, side mounted.



Specifications

Net Weight..... 153 lbs (69.4kg)
Gross Weight..... 1238 lbs (561.5kg)
Capacity.....145 US gal (548.8 ltr.)
Boom Span.....29 ft. (8.8m)
Power Requirements.....24VDC
Swath40-60 ft. (12.2m-18.3m)
Nozzle Holes.....56
Air Speed VNE.....124 MPH (108 KIAS)

Avenger II, Model 3700-110:

Net Weight..... 136 lbs (61.7kg)
Gross Weight..... 1055 lbs (478.5kg)
Capacity.....110 US gal (416 ltr.)