

FEATURES

AeroSPREADER S500

Product overview for all configurations



ENGINEERED DETAILS

Features

Built for high-volume dry-feed broadcasting where space and access still matter, the AeroSpreader S500 combines a 500 kg marine-aluminum hopper with a direct-drive Aerite blower and an application-matched choice of broadcast, controls, mobility, and feed-reach equipment.



AeroFLOW gentle feed transport

AeroFLOW optimizes gentle, air-driven feed transport for reliable, consistent delivery while protecting pellets from damage. Airflow is matched to the feed, route and equipment configuration.



500 kg Marine-Aluminum Hopper

A 500 kg (1,100 lb) marine-aluminum hopper provides substantial on-unit feed capacity in the compact S500 platform.



Direct-Drive Aerite Blower

The selected Aerite centrifugal blower is directly driven by the engine, avoiding belt and pulley adjustments. AB135 and AB150 packages are available in the current template.



Configured feed path

The eductor and broadcast outlet must match the selected blower and delivery arrangement. Both 4-inch and 5-inch choices exist in the current template.



Lined Stainless Broadcast Hose

The all-stainless broadcast hose uses a smooth internal liner to guide pellets through the feed path while supporting demanding aquaculture service.



Marine-Ready Construction

Marine-grade aluminum, galvanized steel, and stainless-steel hardware are used throughout the S500 for corrosion-conscious operation around freshwater and marine sites.



Manual 360° Periscope Option

When selected, the manual Periscope Feed Head gives the operator full 360-degree directional control over where feed is placed.



Automatic Oscillating Periscope Head Option

The optional oscillating Periscope Feed Head sweeps the discharge automatically for repeatable coverage without continuous manual aiming.



Remote Cable Controls Option

Optional stainless remote cable controls let the operator manage feeding from a practical viewing position on a truck, trailer, vessel, or work platform.



Mobile Three-Wheel Option

The mobile configuration adds pneumatic tires, a rear steering pivot with T-bar handle, and a brake for maneuvering the S500 around the farm.



Trailer and Feed-Reach Options

Optional towing and feed-extension equipment can adapt the S500 for movement between sites or extend the supported discharge path beyond the mounting platform.

Configuration-specific content

Items below apply only to the listed configurations. Other items apply across the range.

Lined Stainless Broadcast Hose: Selected option: Broadcast: 4" SS Flex Handheld Hose, Broadcast: 5" SS Flex Handheld Hose

Manual 360° Periscope Option: Selected option: Broadcast: 4" Manual Periscope Feed Head, Broadcast: 5" Manual Periscope Feed Head

Automatic Oscillating Periscope Head Option: Selected option: Broadcast: 4" Oscillating Periscope Feed Head, Broadcast: 5" Oscillating Periscope Feed Head

Remote Cable Controls Option: Selected option: Control Type: Cable Controls, Control Type: Extended Controls 12ft/3.7m

Mobile Three-Wheel Option: Selected option: Mobility: Mobile Pull Handle 3-wheel + T-bar 500

SPECIFICATIONS

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TECHNICAL OVERVIEW

Specifications

Technical details for the selected configuration. Feed performance, dimensions and empty weight depend on the chosen equipment and operating conditions.

 Hopper Capacity 500 kg (1,100 lb) of dry feed in a marine-aluminum hopper.	 Compatible Pellet Size Pellet-size capability depends on the selected eductor and feed path. The 2024 AB150 / 5-inch configuration lists 2-16 mm pellets; confirm suitability for the configured equipment and feed.
 Maximum Broadcast Rate Feed rate and broadcast distance depend on pellet size, shape and density, blower, eductor, hose and outlet arrangement. Confirm performance for the selected configuration and feed.	 Blower Aerite AB135 or AB150 centrifugal blower, as selected in the quotation.
 Blower Outlet 4-inch or 5-inch feed-path arrangement, as selected and matched to the blower and eductor.	 Configured engine power 6.5 hp for the listed AB135 engine packages or 9 hp for the listed AB150 engine packages. Pull start or electric start follows the selected engine option.
 Construction Materials Marine-grade aluminum, galvanized steel, and stainless-steel hardware.	 Stationary Dimensions Dimensions and empty weight depend on the hopper, mobility and accessories. Use the configured equipment drawing and confirmed tare weight for installation and transport planning.
 Stationary Tare Weight Dimensions and empty weight depend on the hopper, mobility and accessories. Use the configured equipment drawing and confirmed tare weight for installation and transport planning.	 Mobile Dimensions Dimensions and empty weight depend on the hopper, mobility and accessories. Use the configured equipment drawing and confirmed tare weight for installation and transport planning.
 Mobile Tare Weight Dimensions and empty weight depend on the hopper, mobility and accessories. Use the configured equipment drawing and confirmed tare weight for installation and transport planning.	 Configurable Controls and Mobility Available choices include manual or oscillating broadcast heads, remote cable controls, mobile wheels, stationary mounting, trailer integration, and feed-extension boom or tube equipment.
 Country of Manufacture Designed and manufactured in Canada.	

Configuration-specific content

Items below apply only to the listed configurations. Other items apply across the range.

Stationary Dimensions: Selected option: Mobility: Stationary Skid 500

Stationary Tare Weight: Selected option: Mobility: Stationary Skid 500

Mobile Dimensions: Selected option: Mobility: Mobile Pull Handle 3-wheel + T-bar 500

Mobile Tare Weight: Selected option: Mobility: Mobile Pull Handle 3-wheel + T-bar 500

BENEFITS

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WHY IT MATTERS

Benefits

The S500 gives commercial farms more feed capacity and throughput without committing to IAS's largest platforms. Select the broadcast, control, mobility, and extension options that fit the site, then present customers with the operational value of that configured system.



Fewer Refills from 500 kg Capacity

The 500 kg hopper keeps a substantial working supply at the machine, reducing refill interruptions during larger feeding rounds.



Finish Feeding Rounds Faster

A larger working feed supply and an appropriately matched blower and feed path support efficient feeding rounds; actual delivery rate depends on the configuration and feed.



Less Drive Maintenance

Direct drive removes routine belt tension and pulley alignment adjustments, simplifying daily ownership and service.



Protect Pellet Flow

The smooth-lined stainless feed path is designed to move pellets cleanly and consistently through the broadcast system.



High Capacity in a Compact Footprint

The S500 brings a 500 kg hopper to farms where access and working space make larger feeding platforms impractical.



Durable Aquaculture Construction

Corrosion-conscious metals and stainless hardware support dependable service around freshwater and marine operations.



Choose the Right Coverage Pattern

Select manual 360-degree aiming for direct operator control or an oscillating head for automatic, repeatable sweep coverage.



Control Feeding from the Best Viewpoint

Remote cable controls can place key functions where the operator can better observe fish response and feed distribution.



Mobile or Stationary Site Fit

Stationary, mobile, and trailer-ready choices let the same S500 platform fit trucks, vessels, fixed stations, and movable farm workflows.



Feed Placement Beyond the Platform

Feed-extension boom and tube options support discharge farther from the mounting point when cages, tanks, or pond edges are offset from the vehicle or vessel.



Field-Serviceable Canadian Design

A field-serviceable blower package and Canadian design and manufacturing support practical maintenance and long-term equipment ownership.

Configuration-specific content

Items below apply only to the listed configurations. Other items apply across the range.

Protect Pellet Flow: Selected option: Broadcast: 4" SS Flex Handheld Hose, Broadcast: 5" SS Flex Handheld Hose

Control Feeding from the Best Viewpoint Selected option: Control Type: Cable Controls, Control Type: Extended Controls 12ft/3.7m