

Alliance Heavy Duty Rotator Model HD-73



Features and Specifications

The HD-73 rotator incorporates all the features that contribute to smooth, durable and easy operation without the need for a technician. It features a simple, foolproof operation of the control box. The HD-73 rotator is constructed of heavy duty stainless steel and is selected for their excellent strength capability and low maintenance requirements. The rotator is designed to meet an end user's need to provide wind and wave weather conditions for around up to 107 sq. ft. of wind load area. The HD-73 rotator is factory assembled with a durable, high quality, aluminum base with a lifetime structural strength of 100 degrees Fahrenheit to 20 degrees Fahrenheit.

The HD-73 heavy duty design permits centering procedure to be a two-step operation without the need of 1500 ft. lbs. of torque. The rotator base design permits easy four foot in-tower mounting without spacers. The main support bracket design also provides a positive three-point alignment. The HD-73 has an innovative automatic brake action for smooth, low starting torque which helps to reduce risk of structural damage by sudden increases in wind. High inertia allows for the internal, low speed rotor. The HD-73 control unit features DUAL SPEED operation with one five-position switch. This permits a constant 100 rpm minute speed for monitoring over an extended period and a lower speed for adjustment of size, speed, degree, one way or two way, for fine adjustments for the best signal for receiving and transmitting.

The rotator not only has a readily accessible externally located fuse for fault and protection, it also has an internally located automatic reset thermal protector for the motor windings to protect against short circuits. Motor protection can be extended upon option.

Max. vertical load - 1200 lbs. (not balanced)

Max. wind load bending moment - 10,000 in.-lbs. (side-bruss, two-point)

Starting torque - 400 in.-lbs.

Break torque (wind) - 1,800 in.-lbs.

Horizontal load (one point)

Bearings - 103400 (aluminum hardened)

Max. mounting clearance - 14.5" O.D. (1/2" O.D.)

Cable - 5 conductor

Voltage input - 117 volts A.C. 60 hertz
+ 12 volts

Shipping weight - 17 lbs.

Motor - motor split phase, universal

Motor voltage - 50 watts A.C.

Motor - 0.75 A.M.P. full load

Motor size - 5.5 W x 5.5 and 10.0 x 10.0 x 5.0



The **ALLIANCE** Manufacturing Co., Inc. - Atwater, Ohio 44601

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ALLIANCE HEAVY DUTY ROTATOR MODEL **HD73**

- with exclusive
Dual Speed Control



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