

**HANS BUCH**

LOWRANCE

# Wiper systems


**Hans Buch // Marine**

When it comes to harsh weather conditions on the ocean it is essential to have clear vision. We provide wiper systems from Wynn - an excellent supplier of high quality solutions for marine and offshore. With a wiper system from Wynn we guarantee a long lasting solution that will do the job in any climates and weather conditions.

Based on the ship drawings, the wipers are customized to your specific needs in regards to window size and tilt.



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# Wipers

Wynn Heavy-Duty Straight-Line Wipers are the most advanced linear action window wiping systems. These Wipers are optimised for marine and other specialist applications.

Two models are available - the Type D which has an external motor, and the Type C with an internal motor. Straight-Line Wipers are usually the best for clearing rectangular windows. For large windows, Wynn's Heavy-Duty wiper arms and blades can clear windows more than 2 m high.

Wynn straight-line wipers are built to give the maximum view in any weather. They can work in temperatures from as low as -40 °C to extreme tropical conditions.

Installation is simple and many mounting options are available. These allow either new or replacement installations for both variants of wipers.

It is possible to retrofit Wynn wipers without replacing the ECU, which makes the installation process easy and accessible.



## Info

- Type D MkV - Externally mounted motor. Motor housing fully sealed to IP67
- Type C - Internally mounted motor
- Arms with blades up to 39 ins (1000mm) available
- A large wiped window coverage can be achieved
- Reliable operation in extreme temperatures
- 2 or 3 speed operation with self parking facility
- Available in 24, 115 and 230 volt, single phase or three phase AC
- Operated by a multi-speed / function control facility
- Induction motor (brushes) are used for AC supply

# Wiper Specifications

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## Twin

<b>Stroke</b>	Minimum - 585mm, Maximum - 3500mm (over 3500mm can be supplied upon request)
<b>Blade</b>	Maximum - 800mm
<b>Arm</b>	Maximum - 800mm
<b>Wipe Speed: fast/slow</b>	1.4m per second / 0.7m per second
<b>AC Motor</b>	Induction type: 100, 115, 230v
<b>DC Motor</b>	Permanent magnet; 24v
<b>3-PH Motor</b>	Fast speed / slow speed / intermittent
<b>1-PH and DC</b>	Normal speed / intermittent 8000 motor 3 speed 0.7/1.1/1.4n/sec
<b>De-icing heater</b>	200 watts per metre
<b>Park Sensor</b>	Reed switch
<b>Spray Nozzles</b>	1 up to 990mm stroke, 2 if > 1015mm stroke, 6mm overall diameter tubing
<b>Mounting</b>	Above, below or vertical on the window
<b>Type Approvals</b>	DNV, ABS

## Single

<b>Stroke</b>	Minimum - 305mm, Maximum - 2260mm
<b>Blade</b>	Maximum - 1000mm
<b>Arm</b>	Maximum - 1800mm

The heavy duty Type D and Type C straightline wipers offer the most advanced design of linear action wiping systems for marine applications.

A large wiped window coverage can be achieved, providing maximum view from the ships bridge whatever the weather, in temperatures from as low as -40°C to extreme tropical conditions. High powered AC induction motors provide an efficient, reliable and quiet operation. Incorporating the highest quality 316 Stainless Steel and other noncorrosive materials throughout, the Type D has the motor outboard so that it is only necessary to bring the electrical cables through the bulkhead. the motor housing is fully sealed to IP67 standards.

Control features can include 2 or 3 speed operation, self parking, intermittent wipe, heater switch, master group control and wash/air purge functions.