



In-Mar Systems
In-Mar Solutions

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TYPES C & D Heavy Duty Straightline Wipers

IDEAL FOR LARGE OCEAN-GOING VESSELS OR
VESSELS REQUIRING MAXIMUM COVERAGE

- Type D MkV - Externally mounted motor. Motor housing fully sealed to IP67
- Type C - Internally mounted motor
- Arms with blades up to 2000mm 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 supplies

ISO 9001
BUREAU VERITAS
Certification



Type D MkV

Type C

... WIPER SYSTEMS FOR ALL SIZES OF VESSEL





The heavy duty Type D (externally mounted motor) and Type C (internally mounted motor) straightline wipers offer the most advanced design of linear action window wiping systems for marine and other specialist 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 non-corrosive 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.

Standard controllers are available in 1- 6 ways, with modular systems being supplied where there are more wipers or have a special requirement. Control features can include 2 or 3 speed operation, self parking, intermittent wipe, heater switch, master group control and wash/air purge functions.

SPECIFICATIONS

Single Stroke

Blade Arm
 Maximum - 2000mm
 Maximum - 1500mm

Twin Stroke

Blade Arm
 Maximum - 1000mm
 Maximum - 800mm

Wipe Speed: fast/slow
 1.4m per second / 0.7m per second

AC Motor
 Induction type: 100, 115, 230v

DC Motor
 Permanent magnet; 24v

3-PH Motor
 Fast speed / slow speed / intermittent
 Normal speed / intermittent
 8000 motor 3 speed 0.7/1.1/1.4n/sec

1-PH and DC
 200 watts per metre

De-icing heater
 Reed switch

Park Sensor
 1 up to 990mm stroke, 2 if > 1015mm stroke, 6mm overall diameter tubing

Spray Nozzles
 Above, below or vertical on the window

Mounting
 Type Approvals



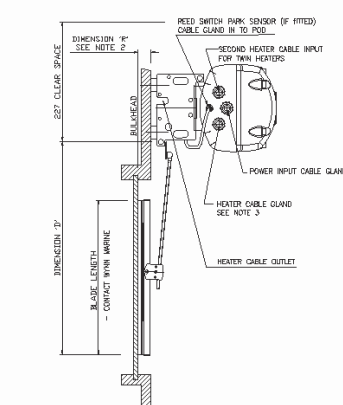
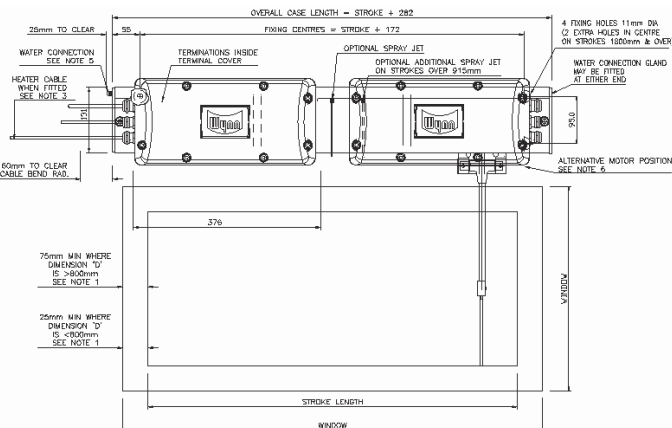
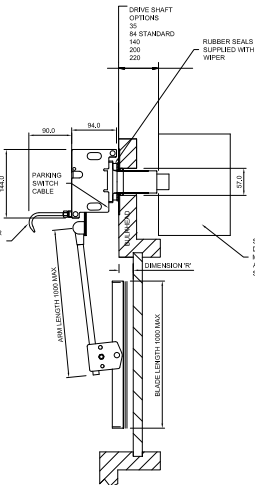
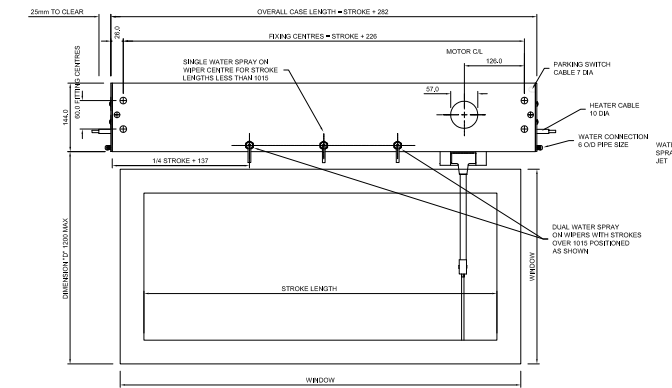
Types C&D Straightline Wipers

IDEAL FOR LARGE OCEAN-GOING VESSELS

Can be used in combination with the following Controllers:

Control Systems

- 1000 (1 speed only)
- 2000 (2 speed)
- 6000 (2 speed)
- 8000 (3 speed)



*Measurements are for illustrative purposes only



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