80Nm Extra Heavy Duty Window Wiper
LOW VOLTAGE SYSTEMS IDEAL FOR AVERAGE TO HIGH SPEED VESSELS

- Pantograph and pendulum
- Silent running
- Arms with blades up to 59ins. (1500mm) available for average speed vessels
- Arms with blades up to 39ins. (1000mm) available for high speed vessels
- Fixed arc or variable arc models
- 12 and 24 volt DC
- Two speeds
- Self parking facility
- Insulated earth return
- Operated by various controls including a rotary switch, rocker switch or a multi-speed/function control system

WIPER SYSTEMS FOR ALL SIZES OF VESSEL
**SPECIFICATIONS**

**Standard Details**
- 2 Speed; Self Parking; Insulated Earth Return: 12v and 24v

**Angles of Arc - Fixed:**
- Pantograph Units: 25° to 90° (in 5° increments only)
- Pendulum Units: 25° to 115° (in 5° increments only)

**Angles of Arc - Variable:**
- Pantograph Units: 40° to 90° (in 5° increments only)
- Pendulum Units: 40° to 90° (in 5° increments only)

**Spindle Centres**
- Between Drive Liner & Idler = 60mm
- Pantograph Units only

**Drive Liner**
- M26 - Brass Liner/16mm SS Spindle
- Pantograph & Pendulum Units

**Idler Liner**
- M26 - Brass Liner /16mm SS Spindle
- Pantograph Units only

**Liner Overall Length**
- Bulkhead Thickness + 55mm

**Bracket**
- C - Compact Bracket

**Unit Weight**
- Allowing for the maximum arm and blade lengths, 8Kgs (17.6 lbs)

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**WIPER ARMS & BLADES**

- **Pantograph Arms**
  - **P84** Heavy Duty
  - Lengths: 24" to 60" (610mm to 1525mm) nom
  - Drive Head: 16mm
  - Blade Clip: 14mm & 20mm

- **Pendulum Arms**
  - **F80** Heavy Duty
  - Lengths: 24" to 60" (610mm to 1525mm) nom
  - Drive Head: 16mm
  - Blade Clip: 14mm
  - **F81** Heavy Duty
  - Lengths: 24" to 60" (610mm to 1525mm) nom
  - Drive Head: 16mm
  - Blade Clip: 20mm

- **Blades**
  - **B160** Curved Blade, Stainless Steel
  - Lengths: 12" to 28" (310mm to 710mm) nom
  - For use with arm types:
    - Pendulum: F80
    - Pantograph: P84
  - **B160** Curved Blade, Stainless Steel
  - Lengths: 32" (810mm), 36" (915mm), 39" (1000mm)
  - For use with arm types:
    - Pendulum: F81
    - Pantograph: P84

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**Low Voltage Systems Ideal for Average to High Speed Vessels**

Can be used in combination with the following Controllers:
- Carling Switch
- Cole Hersee Switch
- Wynn 8224 Bus Control
- Pine Controller
- Toggle Switch

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**www.b-hepworth.com**