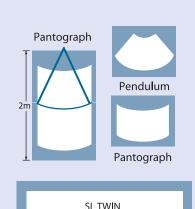




Free Design and Application Service



Straight Line





Clear View Screen

Straight Line





Pendulum Split Window Dual





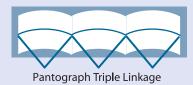
Pendulum Dual Linkage



Pendulum Triple Linkage

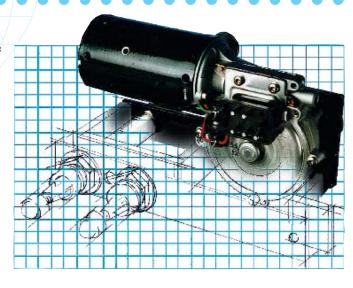


Pantograph Dual Linkage



Meeting the challenges of rapidly developing technology alongside the stringent demands of the modern Marine Industry, we have a reputation at home and abroad synonymous with quality and reliability.

With the need for good clear visibility an essential safety consideration, ship



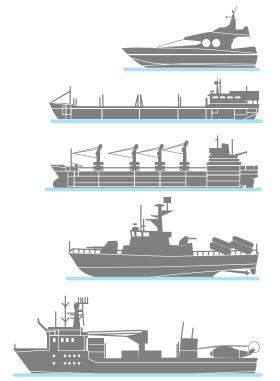
owners and builders worldwide rely on over seventy years experience in the design and manufacture of wiper systems to meet their specific and individual needs.

We provide a design and application facility second to none. Regardless of the type or size of vessel, our team of design engineers offer clients the best advice and assistance. Whether a craft is in its early stages on the drawing board, or refitting, they will help to achieve considerable savings in installation costs and obtain greatly improved window clearing efficiency.

With improved technology in ship design, the quality and reliability of components is critical for peak performance. Continual sourcing of materials of the highest quality for each purpose built wiper system we engineer, ensures that critical performance levels are always maintained and improved.

With this expertise and approach to meet your specific requirements, choosing us is clearly the best choice for the Marine Industry worldwide.

- Straight Line Wipers
- Pantograph Wipers
- Pendulum Wipers
- Linkage Systems
- Clear View Screens
- Control Panels
- Fresh Water Spray Jets
- Fresh Water Spray Pumps



Call us now. It can never be too soon to see where you're going.

2Nm Light Duty Wiper Motor



Newly introduced the 2Nm is a compact light unit, aimed at the small boat market, where efficient clearing of windows is essential.

This unit is supplied as a fixed arc model which is adjustable after the motor is installed. A single speed motor, 12 and 24 volt DC, it has a self parking facility which can be operated by a toggle switch. Extremely robust, this motor is an ideal alternative to the imports.

Construction is of 316 stainless steel.

Pantograph

Pantograph and pendulum arm with blades up to 20 ins. (510mm) are available.

Hegworth Marine Hegwor

Wiper Arms and Blades

Pantograph Arms

P5 Light Duty

Lengths 12" to 20" (310mm to 510mm) nom

Drive Head 12mm Idler Head 10mm Blade Clip 14mm

Pendulum Arms

F6 Light Duty

Lengths 10" to 20" (260mm to 510mm) nom

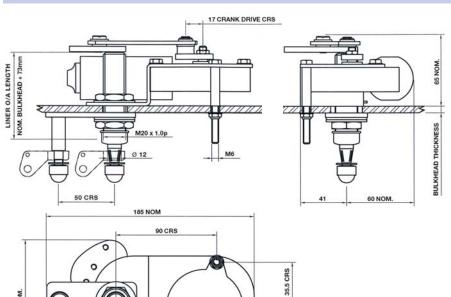
Drive Head 12mm Blade Clip 14mm

Blades

B140 Curved Blade

Lengths 12" to 20" (310mm to 510mm) nom

For use with arm types:
Pendulum F6
Pantograph P5



Specifications

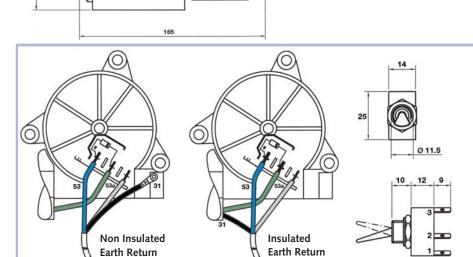
Unit type	2Nm
Voltage	24
Arc of Wipe	0VA
Liner Length	075

Standard Details1 Speed; Self Parking. 12v and 24vAngles of ArcVariable - at stated anglesPantograph Units40°; 55°; 65°; 75°; 90°Pendulum Units40°; 55°; 65°; 75°; 90°; 105°Spindle CentresBetween Drive Liner & Idler = 50mm

Drive LinerM20 - Brass Liner / 12mm SS SpindleLiner Overall LengthBulkhead Thickness + 65mmIdler LinerSS Hex Spacer / 10mm SS SpindleBracketNo notation used for Bracket

Unit Weight Allowing for the maximum arm and blade lengths; 1.4Kgs (3.0 lbs)

Optional Insulated Earth Return



Switch Information

2Nm Motor Unit		
Voltage	Starting Current	Running Current
12v DC	2.5 amps	1.5 amp
24v DC	1.1 amps	0.6 amps

Wiring the Motor Unit to a 1 Pole / 2 Throw Switch	
Motor	Switch
31 Black Wire	position 1
	and negative ship's supply
53 Blue Wire (single speed)	position 2
53a Grey Wire	position 3
	and positive ship's supply

Current readings are for guidance only.

20Nm Medium Duty Wiper Motor

The 20Nm is a compact unit, aimed at the small boat market, where efficient clearing of windows is essential.

This unit is supplied as a fixed arc or variable arc model, for 12 & 24 volt DC. The standard motor has two speeds and self parking facility which can be operated by a rotary switch, toggle switch or a multi speed/function control switch. Insulated earth return and EMC filter are standard.

Pantograph and pendulum arm with blades up to 24ins. (610mm) are available.



Wiper Arms and Blades

■ Pantograph Arms

P613 Medium Duty

Lengths 12" to 24" (310mm to 610mm) nom

Drive Head 12mm Idler Head 10mm Blade Clip 14mm

Pendulum Arms

F63 Medium Duty

Lengths 12" to 28" (310mm to 710mm) nom

Drive Head 12mm Blade Clip 14mm

■ Blades

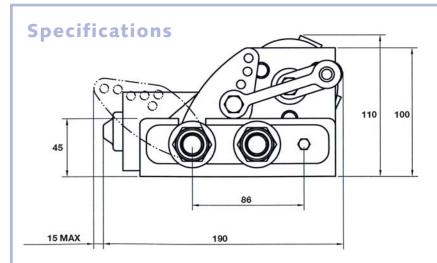
Unit type

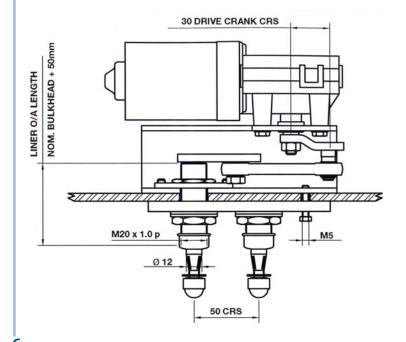
B140 Curved Blade

Lengths 12" to 24" (310mm to 610mm) nom

Arc of Wine

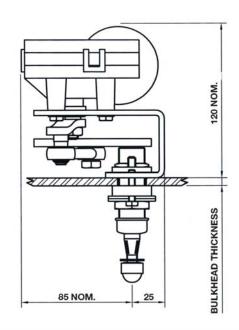
For use with arm types:
Pendulum F63
Pantograph P613





Onit type	ZUMIII	Aic of wipe	OVA
Voltage	24	Liner Length	057
Standard Details		2 Speed; Self Parking; Insulated Earth Return; 12v and 24v	
Angles of Arc	Variable -	at stated angles	
Pantograph Units	40°; 50°;	60°; 70°; 80°; 90°	
Pendulum Units	40°; 50°;	60°; 70°; 80°; 90°	
Spindle Centres	Between	Drive Liner & Idle	r =50mm
Drive Liner	M20 - Bra	ass Liner/12mm S	S Spindle
Liner Overall Lengt	h Bulkhead	Thickness + 65mi	m
Idler Liner	M20 - Bra	ss Liner/20mm S	S Spindle
Bracket	No notati	on used for Brack	et

Unit Weight Allowing for the maximum arm and blade lengths; 3.5Kgs (7.7 lbs)



30Nm Medium Duty Wiper Motor

Pantograph

P613

Lengths

Drive Head

Idler Head

Blade Clip

The 30Nm is a compact medium duty unit, aimed at the small boat market, where efficient clearing of windows is essential.

This unit is supplied as a fixed arc or variable arc model, for 12 & 24 volt DC. The standard motor has two speeds and self parking facility which can be operated by a rotary switch, toggle switch or a multi speed/function control switch. Insulated earth return and EMC filter are standard.

Pantograph and pendulum arm with blades up to 28ins. (710mm) are available.

Pendulum Arms F63 Medium Duty

Lengths 12" to 28" (310mm to 710mm) nom

Drive Head 12mm Blade Clip 14mm

Blades

R140 Curved Blade

Lengths 12" to 24" (310mm to 610mm) nom

2 Speed; Self Parking; Insulated

Pendulum F63 Pantograph P613

14mm

Specifications

12mm

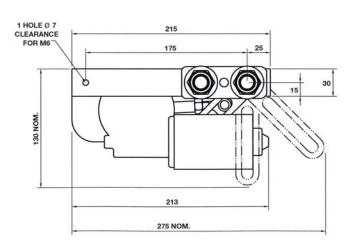
10_{mm}

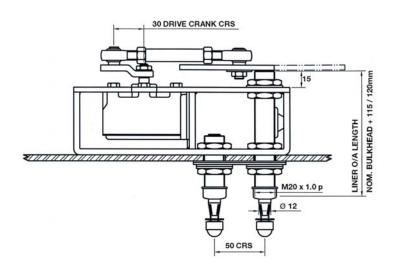
Medium Duty

12" to 28" (310mm to 710mm) nom

Pantograph Arms

Unit type 125 30Nm Liner Length Voltage 24 Idler 12 Arc of Wipe Bracket C 090





Standard Details Earth Return; 12v and 24v Angles of Arc Fixed - Compact and Handed Units 25° to 90° (in 5° increments only) Pantograph Units

Pendulum Units 25° to 115° (in 5° increments only) Angles of Arc Variable - Compact and Handed Units Pantograph Units 35°; 40°; 45°; 50°; 55°;60°; 70°; 80°; 90°

35°; 40°; 45°; 50°; 55°;60°; 70°; 80°; 90°; **Pendulum Units** 100°; 110°; 120°

Spindle Centres Between Drive Liner & Idler = 50mm Pantograph Units only

Drive Liner M20 - Brass Liner/12mm SS Spindle

Pantograph & Pendulum Units

Liner Overall Length Bulkhead Thickness + 115/120mm

(Compact Units)

Liners over 125mm are available at extra cost

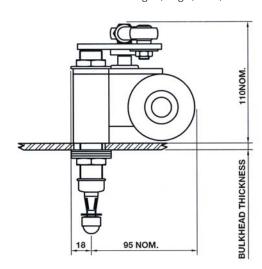
Idler Liner M20 - Brass Liner/12mm SS Spindle

Pantograph Units only

Bracket C - Compact Bracket

Unit Weight Allowing for the maximum arm and

blade lengths; 4Kgs (8.8lbs)



50Nm Heavy Duty Wiper Motor





Pantograph

For its size the 50Nm is a very powerful unit, adaptable for high speed vessels, workboats and leisure craft, where compact design and outstanding performance are paramount.

This unit is supplied as a fixed arc or variable arc model, for 12 & 24 volt DC. The standard motor has two speeds and self parking facility which can be operated by a rotary switch, toggle switch or a multi speed/function control switch. Insulated earth return and EMC filter are standard.

Pantograph and pendulum arms and blades up to 34ins. (1000mm) are available.



Pantograph Arms

P615 Medium Duty

Lengths 12" to 34" (310mm to 860mm) nom

Drive Head 12_{mm} Idler Head 12mm Blade Clip 14mm

P620 Medium Duty

Lengths 12" to 34" (310mm to 860mm) nom

Drive Head 12mm **Idler Head** 12_{mm} Blade Clip 20mm

8

Pendulum Arms

F63 Medium Duty

Lengths 12" to 34" (310mm to 860mm) nom

Drive Head 12mm Blade Clip

Medium Duty

12" to 34" (310mm to 860mm) nom Lengths

Drive Head 12_{mm} Blade Clip 20mm

Blades

B140 Curved Blade

12" to 32" (310mm to 810mm) nom Lengths

2 Speed; Self Parking; Insulated

Fixed - Compact and Handed Units

25° to 90° (in 5° increments only)

25° to 115° (in 5° increments only)

Variable - Compact and Handed Units

Between Drive Liner & Idler = 50mm

M20 - Brass Liner/12mm SS Spindle

35°; 40°; 45°; 50°; 55°;60°; 70°; 80°; 90°

35°; 40°; 45°; 50°; 55°;60°; 70°; 80°; 90°;

Earth Return; 12v and 24v

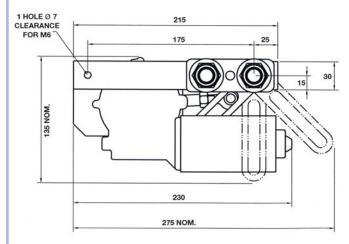
For use with arm types: Pendulum F63 Pantograph P615

B140 Curved Blade 32" (810mm), nom Lengths

Pendulum Pantograph P615

Specifications

Unit type 50Nm Liner Length 125 Voltage 24 Idler 12 Arc of Wipe 090 **Bracket** C



Standard Details

Angles of Arc Pantograph Units

Pendulum Units Angles of Arc

Pantograph Units

Pendulum Units

Spindle Centres

Drive Liner

Liner Overall Length

Bulkhead Thickness + 115/120mm (Compact Units) or 45mm (Handed Units) Liners over 125mm are available at extra cost

Idler Liner

M20 - Brass Liner/12mm SS Spindle Pantograph Units only

100°; 110°; 120°

Pantograph Units only

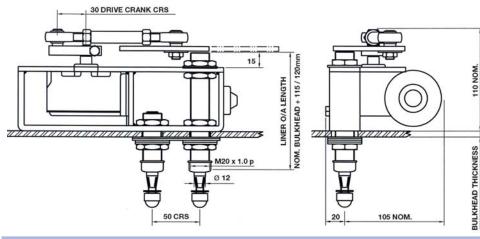
Pantograph & Pendulum Units

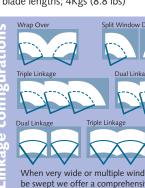
Bracket L - Left Hand Bracket; R - Right Hand Bracket;

C - Compact Bracket

Unit Weight

Allowing for the maximum arm and blade lengths; 4Kgs (8.8 lbs)





When very wide or multiple windows are to be swept we offer a comprehensive range of swept area solutions utilising the 50NM drive unit operating either two or three arms and blades off one motor.

This offers customers the benefit of simpler installations as well as cost saving.

80Nm Heavy Duty Compact Wiper Motor



Pantograph



With the ever increasing need for speed and the 24 hour day operation of today's shipping the 80Nm model gives outstanding performance. To ensure a good swept window albeit travelling at 60 knots, the wiper arm design needed to ensure a good blade contact has necessitated the development of the extra heavy duty model.

Supplied as fixed and variable arc models and available for 24 volt DC, the standard motor has two speeds and self parking facility which can be operated by a rotary switch, toggle switch or a multi speed/function control switch. Insulated earth return is standard. Where a higher on board voltage is used,

we offer a number of solutions which will utilise this extremely reliable wiper and still offer a competitive package. Pantograph and pendulum arms up to 60 inches (1525mm) are available and blades up to 39 inches (1000mm).



Wiper Arms and Blades

■ Pantograph Arms

P84 Heavy Duty Lengths

24" to 60" (610mm to 1525mm) nom

Drive Head 16mm Idler Head 16mm

Blade Clip 14mm & 20mm

Pendulum Arms

F80 Heavy Duty

24" to 60" (610mm to 1525mm) nom Lengths

Drive Head 16mm Blade Clip 14mm F81 Heavy Duty

24" to 60" (610mm to 1525mm) nom Lengths

Drive Head 16mm Blade Clip

Blades

B140 Curved Blade

Lengths 12" to 28" (3105mm to 710mm) nom

with arm types F80 Pendulum **Pantograph** P84

B140 Curved Blade

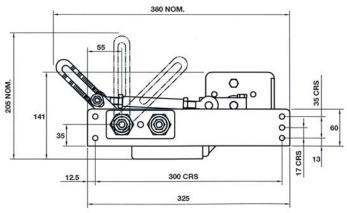
Lengths 32" (810mm), 36" (915mm)

& 39" (1000mm)

For use with arm types Pendulum Pantograph P84

Specifications

Unit type 057 80Nm Liner Length Voltage 24 Idler 16 Arc of Wipe 090 **Bracket** C



Standard Details

2 Speed; Self Parking; Insulated Earth Return; 12v and 24v

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

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

M26 - Brass Liner/16mm SS Spindle **Drive Liner**

Pantograph & Pendulum Units

Liner Overall Length Bulkhead Thickness + 55mm

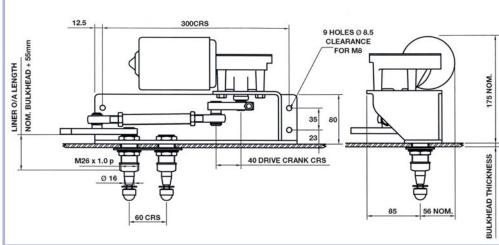
M20 - Brass Liner/16mm SS Spindle Idler Liner Pantograph Units only

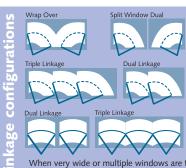
Bracket L - Left Hand Bracket; R - Right Hand Bracket;

C - Compact Bracket

Unit Weight Allowing for the maximum arm and

blade lengths; 8Kgs (17.6 lbs)





When very wide or multiple windows are to be swept we offer a comprehensive range of swept area solutions utilising the 80NM drive unit operating either two or three arms and blades off one motor.

This offers customers the benefit of simpler installations as well as cost saving.

110Nm Heavy Duty Wiper Motor





The power of this system is awesome. Designed for the very largest ship windows, the 110Nm gives near silent continual performance.

Supplied as a fixed arc model and available for 24 volt DC, this high powered motor has two speeds and self parking facility which can be operated by a rotary switch, toggle switch or a multi speed/function control

Pantograph and pendulum arms up to 72 inches (1829mm) are available and blades up to 78 inches



Pantograph Arms

Heavy Duty

24" to 72" (610mm to 1830mm) nom Lengths

Drive Head 16mm **Idler Head** 16mm

Blade Clip 14mm & 20mm

Pendulum Arms

F80 Heavy Duty

Lengths 24" to 72" (610mm to 1830mm) nom

Drive Head 16mm Blade Clip F81 Heavy Duty

24" to 72" (610mm to 1830mm) nom Lengths

Drive Head 16mm Blade Clip 20_{mm}

Blades

B140 Curved Blade

Lengths 12" to 28" (310mm to 710mm) nom

For use with arm type

F80 Pendulum Pantograph P84

B140 Curved Blade

Lengths

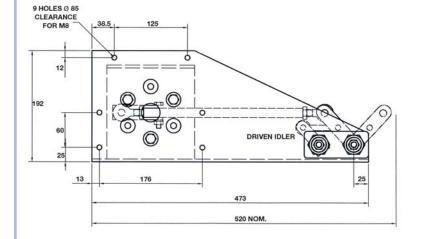
32" (810mm), 36" (915mm), 39" (1000mm), 52" (1320mm), 56" (1420mm), 64" (1625mm), 72" (1830mm), 78" (1980mm)

For use with arm types

Pendulum **Pantograph** P84 F81

Specifications

Unit type 110Nm Liner Length 057 Voltage 24 Idler 16 Arc of Wipe 090 **Bracket** R



2 Speed; Self Parking; Insulated Standard Details

Earth Return: 24v

Angles of Arc Fixed - Compact and Handed Units

Pantograph Units 45° to 90° (in 5° increments only) **Pendulum Units** 45° to 115° (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

Liner Overall Length Bulkhead Thickness + 55mm

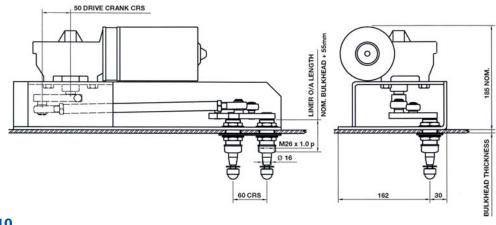
Idler Liner M26 - Brass Liner/16mm SS Spindle

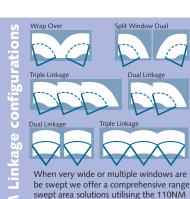
Pantograph Units only

Bracket L - Left Hand Bracket; R - Right Hand Bracket;

Unit Weight Allowing for the maximum arm and

blade lengths; 9.2Kgs (20.0 lbs)





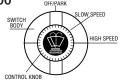
When very wide or multiple windows are to be swept we offer a comprehensive range of swept area solutions utilising the 110NM drive unit operating either two or three arms and blades off one motor.

This offers customers the benefit of simpler installations as well as cost saving.

20, 30, 50, 80 & 110Nm Electrical Details

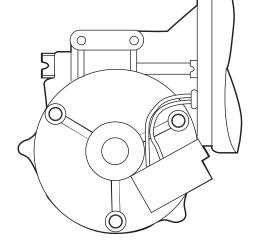
Non-intermittent Rotary Switch 12v:24v 10094800





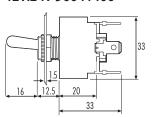


Wiring the Motor Unit to a Rotary Switch	
Motor	Switch
31b (self park reversal feed)	position P
53 (low speed)	position L
53a (self park)	position B and
	positive DC ship's supply
53b (high speed)	position H
31 (earth connection)	the negative ship's supply
Washer Pump	position W



Toggle Switch & Plate.

Dimensions: w20 h38 12v:24v 90041400

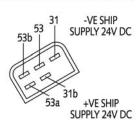






Wiring the Motor Unit to a Toggle Switch	
Motor	Switch
31b (self park reversal feed)	position 8
53 (low speed)	position 4
53a (self park)	position 6 and
	positive DC ship's supply
53b (high speed)	position 2
31 (earth connection)	the negative ship's supply

INSULATED EARTH RETURN



20Nm Motor Unit		
Voltage	Starting Current	Running Current
12v DC	5 amps	3 amp
24v DC	3 amps	2 amps

30Nm Motor Unit		
Voltage	Starting Current	Running Current
12v DC	5 amps	3 amp
24v DC	3 amps	2 amps

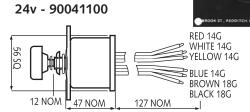
50Nm Motor Unit		
Voltage	Starting Current	Running Current
12v DC	5 amps	3 amp
24v DC	3 amps	2 amps

80Nm Motor Unit		
Voltage	Starting Current	Running Current
12v DC	9 amps	5 amp
24v DC	5 amps	2 amps

110Nm Motor Unit		
Voltage	Starting Current	Running Current
24v	5 amps	2 amps

Multi Speed Control Switch and Plate.

Dimensions: w83 h66 12v - 90041000



Wiring the Motor Unit to a Multi Speed Control Switch		
Motor	Switch	
31b (self park reversal feed)	to the BLUE wire	
53 (low speed)	to the YELLOW wire	
53a (self park)	both RED wires and	
	positive DC ship's supply	
53b (high speed)	to the WHITE wire	
31 (earth connection)	to the BLACK wire	
Washer Pump	to BROWN wire	

Current readings are for guidance only.

MKIII Heavy & Standard Duty Straight Line Wipers



Seawiper

The Seawiper now incorporates the improved MKIII drive system which allows for smoother running at higher speed and relieves strain off the drive belt thus ensuring longer life. The main frame is a heavy gauge aluminium extrusion to provide maximum rigidity.

Stroke lengths have been calculated to suit most windows. The wiper casing has been centrally located around the mechanism. This is a great advantage where wipers are being fitted adjacent to each other across a bank of bridge windows. The carriage assembly is driven by a unique attachment that does NOT weaken the drive belt. M.O.D.(N) approval of self regulating De-icers. De-Icer output 49W/ft @ O°F (average). De-icers are contained within the wiper casing to provide maximum heat. Voltages 24v DC, 110/120v and 220/240v AC available. Wiper motor and gearbox fit onto the drive shaft in any position through 360°. Wipers can be mounted above or below the window. Finish: white on anodised marine grade aluminium. All materials used are highly resistant to the corrosive effects of sea water.

MK III Straight Line single arm wiper unit.

Straight Line Arms and Blades

■ Straightline Arms

Medium Duty Lengths 10" to 28" (260mm to 710mm) max

Drive Head 12mm Blade Clip 14mm

RSLA Heavy Duty 12" to 28" (310mm to 710mm) max Lengths

Drive Head 12mm

Blade Clip 14mm

■ Blades

FB Flat Blade

Lengths 10" to 28" (260mm to 710mm) max

For use with arm types

Straightline SLA & RSLA

Curved Blade

Lengths 12" to 28" (310mm to 710mm) max

For use with arm types

Straightline SLA & RSLA



Standard Duty Straightline Wiper

To meet the needs of customers who only require medium duty straight line wipers, we now offer our normal heavy duty without:-Control Unit, Water Spray Jets or De-Icing Heater.

This provides for a standard duty wiper at a very economical price whilst retaining all the advantages of a heavy duty system.

Naval Type M.O.D. (N) SLS or SLT NES 501 DEF Stan 61 - 12pt 18 - 2 and 3

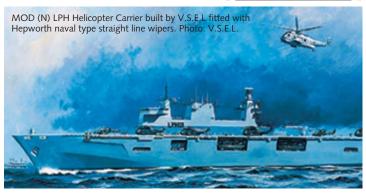
Special M.O.D. (N) Heavy Duty Naval Type Straight Line Bridge Window Wipers are available for front line ships.

SLS Single arm/blade unit SLT Twin arm/blade unit

Details on request.

Naval Type wiper control unit.







One of the Type 23 frigates fitted with Hepworth straight line wipers. Photo: Yarrow Shipbuilders.

Specifications

Heavy Duty Unit Details: SLS and SLT

EMC filter; fitted with de-icer and fresh water spray jets

Standard Duty Unit Details: SLD and SLT

As Heavy Duty but no de-icer or fresh water spray jets

Bulkhead Thickness:

The SLD, SLS and SLT units fit bulkheads of minimum 5mm thick to maximum 15mm thick. For thicker bulkheads, special connectors are available at extra cost. Details on request.

Unit Weight:

Allowing for the maximum arm and blade lengths:

SLD unit: 8.0 Kgs (17.6 lbs) SLS unit: 9.0 Kgs (19 lbs) SLT unit 11.4 Kgs (25 lbs)84

Electrical Details			
Voltage	Starting Current	Running Current	
24v DC	4 amps	2 amp	
110v DC	2 amps	0.5 amps	
220v DC	2 amps	0.5 amps	

Current readings are for guidance only

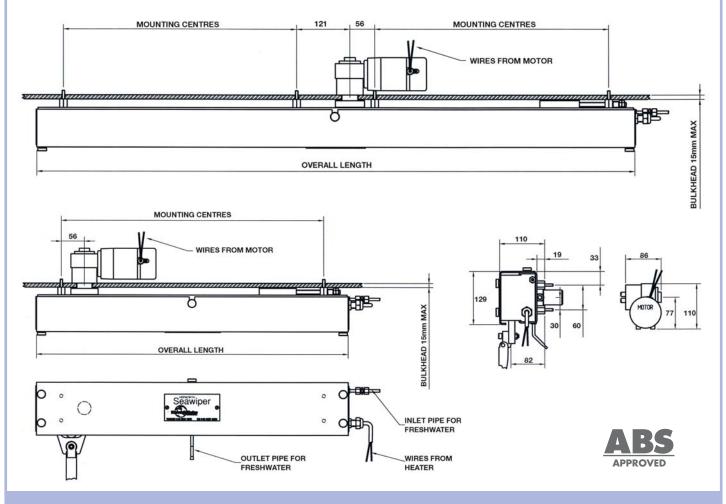
inches	12	15	17	19	22	25	30	33	36	42	45	52	60	66	72	84
SLS & SLD single blade	300	375	430	490	560	640	755	835	920	1070	-	-	-	-	-	-
SLDT & SLT twin blade	-	-	-	-	-	-	-	-	-	-	1150	1350	1525	1675	1850	2135
O/A cover length	505	555	655	705	755	855	955	1055	1105	1255	1355	1505	1755	1905	2055	2355
Wash pipe endings	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2

Note: Straightline cover lengths must not exceed the window width, as the distance between the windows may not be enough to allow for longer units.

SLT 45"- 84" Twin Installation				
Nomina	l Stroke	Fixing Crs	O/A Length	
45"	1150	526	1355	
52"	1300	603	1505	
60"	1525	717	1755	
66"	1675	768	1905	
72"	1830	879	2055	
84"	2135	1027	2355	

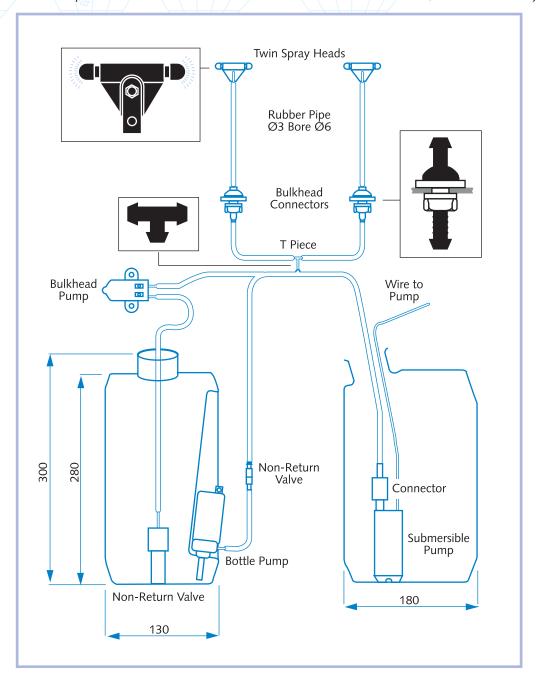
Unit type	SLD	SLS	SLT
Stroke Length	12	12	45
Voltage	24	110	220

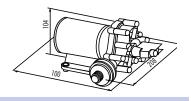
SLS 12"- 42" Single Installation					
Nomina	l Stroke	Fixing Crs	O/A Length		
12"	300	386	505		
15"	375	436	555		
17"	430	536	655		
19"	490	586	705		
22"	560	636	755		
25"	640	736	855		
30"	755	836	955		
33"	835	936	1055		
36"	920	986	1105		
42"	1070	1134	1255		



Pumps & Window Washer Equipment

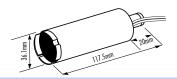
A complete range of electric water pumps are available for single or multiple outlets. For use with ships own supplies, a range of electric or pneumatic solenoids are also offered. For the harsh environment, the heated water jet can be supplied.





15011600 Heavy Duty Pump

Voltage	Amps	Fuse		
24v DC	2.1A*	5 amps		
Max. Output: 10	litre/min. 2.2 ફ	gal./min.		
Weight: 1.93 kilograms 4lb. 4oz				
Material: Glass filled polypropylene; fire retardant				
polyester; nitrile and EDpm rubber; zinc plated				
steel; sintered allo	y. *at 20FT (6	M) Head.		

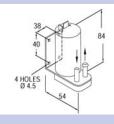


15011400 Submersible Pump

Voltage	Amps	Fuse
12v DC	2.3A	5 amps

15011500 Submersible Pump

Voltage	Amps	Fuse	
24v DC	1.2A	3 amps	
Max. Output: 12 ltr./min. 2.6 gal./min.			
Weight: 150 grams 5.25 oz.			
Material: ABS; Sta	ainless steel; N	leoprene rubber.	



15012300 In-Line Pump

Voltage	Amps	Fuse
24v DC	2.3A	5 amps

15031000 In-Line Pump

Voltage	Amps	Fuse
12v DC	1.2A	3 amps
Max. Output: 10	00cc/min. 13.	.2 gal.hour.
Material: Glass re	-inforced nylo	on; Brass BS 265

Accessories

602504 Nylon Bulkhead Connector (state bulkhead thickness)

900747 Stainless Steel Bulkhead Connector

(state bulkhead thickness)

15000500 Nylon T-Piece

80200400 Rubber Tube Ø3 Bore

15012001 Connector for Submersible Pump

15001400 Non Return Valve

Also available:

90017000 Non Heated Water Jet

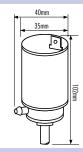


Electrically Heated Water Jet 90017501 24v 90017502 110v

90017503 220 v



Water Bottle
Available in 5 litre (illustrated),
10, 15 and 90 litre capacities.
15010000 Bottle Only.
150100/1 C/W 24v Pump
150100/3 C/W 12v Pump



15079800 Bottle Pump

Voltage	Amps	Fuse
12v DC	2.3A	5 amps
		_

15029900 Bottle Pumps

Voltage	Amps	Fuse
24v DC	1.2A	3 amps

Max. Output: 1000cc/min. 13.2 gal./hour. Material: Glass re-inforced nylon; Brass BS 265.

Additional Products Available

Clear View Screens

A range of well proven and superior clear view screens of the highest quality.

With or without de-icing heater these screens can be supplied with or without window glass if required.

Gas tight also available.







Clear View Screens 300/343,350/393 & 400/443 accepted for Lloyds class vessels when glass conforms to BS MA - 25.

Wiper Arm Extractor Kit

We now have available a neat gadget - officially referred to as a Wiper Arm Extractor.

This remarkably simple device allows you to remove all the wiper arms within our range with absolutely minimal effort and no damage to the wiper assembly or arm.



Visi-Plus Sunblinds

Visi-Plus Sunblinds have been specially developed to improve visibility and safety for all ships and rivercraft.

Visi-Blinds are available using grey / grey transparent film which reflects heat, ultraviolet light and the sun's glare.

Installation is extremely simple; the brackets supplied are fixed directly above each window and the complete blind is then locked into position.



Multi-Function Wiper Switch

A Standard Rocker Size Switch, the Multi-Function Wiper Switch has all the functions of our Standard Rotary Switch.

24 volt DC.



This brochure is offered as a guide to the range of products we supply.

Descriptions, illustrations, photographs and specifications are intended only as a guide.

The manufacturer reserves the right to alter design or specification without prior notice, and add or delete products as necessary. E. & O. E.

Many products are simple to install (detailed installation instructions are available on our website www.b-hepworth.com), but certain items must be installed, or the installation inspected by, a competent, qualified engineer or technician.

