

Boat name	<b>Echo</b>	Type	<b>Bermudian sloop</b>
Sail number	<b>GBR1420R</b>	Design	<b>Spirit 24</b>
TCC	<b>0.795</b>	Series date	<b>1967</b>
Valid	<b>2010</b>	Build date	<b>1971</b>
Owner	<b>Paul Lees</b>		

## Hull

Hull Length	<b>7.40 m</b>	O
Bow overhang	<b>0.94 m</b>	O
Stern overhang	<b>0.94 m</b>	O
Waterline length	<b>5.52 m</b>	C
Beam	<b>2.26 m</b>	O
Topside overhang	<b>m</b>	
Waterline beam	<b>1.88 m</b>	E
Mean freeboard	<b>0.95 m</b>	E
Draught	<b>1.47 m</b>	O
Empty weight	<b>1542 kg</b>	O
Ballast weight	<b>601 kg</b>	E

## Detail

Keel depth	<b>1.14 m</b>	E
Keel chord	<b>1.20 m</b>	O
Keel type	<b>GRP fin, encapsulated lead</b>	
Rudder depth	<b>1.20 m</b>	E
Rudder chord	<b>0.40 m</b>	E
Rudder type	<b>Transom-hung</b>	
Propeller diameter	<b>0.00 m</b>	
Propeller blades	<b>0</b>	
Propeller type	<b>None</b>	
Spar material	<b>Aluminium</b>	
Interior fit-out	<b>Light</b>	

## Mainsail

Mainsail hoist	<b>8.23 m</b>	O
Mainsail foot	<b>2.70 m</b>	O
Upper width	<b>0.59 m</b>	E
Three-quarter width	<b>1.03 m</b>	E
Half width	<b>1.76 m</b>	E
Area	<b>13.17 m<sup>2</sup></b>	C

## Mizzen

Mizzen hoist	<b>m</b>	
Mizzen foot	<b>m</b>	
Staysail luff length	<b>m</b>	
Staysail luff perp	<b>m</b>	
Area	<b>m<sup>2</sup></b>	

## Upwind headsail

Forestay length	<b>9.09 m</b>	O
Foretriangle base	<b>2.50 m</b>	O
Luff length	<b>8.40 m</b>	O
Luff perpendicular	<b>2.65 m</b>	O
Half width	<b>1.33 m</b>	E
Three-quarter width	<b>0.66 m</b>	E
Headboard width	<b>0.09 m</b>	E
Area	<b>11.13 m<sup>2</sup></b>	C

## Downwind headsail

Tack type	<b>Spinnaker pole</b>	
Pole or tack length	<b>2.50 m</b>	O
Leech length	<b>m</b>	
Luff length	<b>m</b>	
Half width	<b>m</b>	
Foot width	<b>m</b>	
Area	<b>32.00 m<sup>2</sup></b>	C

Valid only if it matches the certificate on [www.vprs.org](http://www.vprs.org)

Rating calculated on 24/04/2010 at 10:11:50

Data source: A=Authenticated; O=Owner; S=Sister vessel; P=Published; E=Estimated; C=Calculated

The owner must notify VPRS of any changes or errors.

