

Simrad SH40 high frequency sonar...

The Simrad SH40 sonar is designed for detection of small schools of species that are to detect on low frequency sonars. The typical fishing vessel operating with a Simrad SH40 sonar would be fishing with purse seine, trawl or Danish seine.

The fast reacting stabilizing sensor compensate both the horizontal and the vertical beams for the rapid movement of a smaller vessel giving a stable picture even during heavy swells. The high resolution horizontal and vertical picture gives sharp edges enabling you to estimate the school size with ease.



SIMRAD
SH40
SYSTEM

SH40 with herring detection. Notice the clear and clutter free screen image.

The SH40 transducer

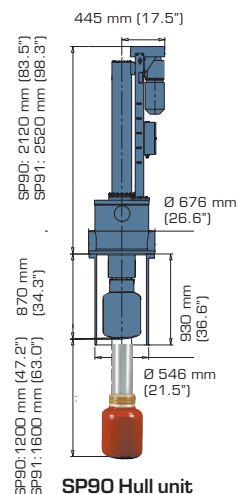
The SH40 hull unit is small in size which makes it possible to mount on smaller vessels. The hull unit is hydraulically powered, which means that it does not require a three-phase power supply.



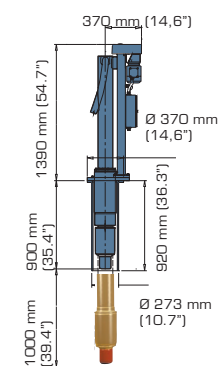
Specifications

Model:		SP90	SP70	SP60	SH80	SH40	SL30/35
Frequency:	Single with CW/FM	●	●	●	●	●	●
	Triple with CW/FM	● 1)	● 1)	● 1)			
	Multiple with CW/FM	● 2)	● 2)	● 2)	● 3)	● 3)	
Horizontal tilt	+10° to 60°	●	●	●	●	●	●
	+10° to 90°		● 2)				●
Vertical coverage		2x80°	2x90°	60°	60°	60°	90°
Modes:	North Up	●	●	●	●	●	●
	Bow Up	●	●	●	●	●	●
	Bow Up / Audio	●	●	●	●	●	●
	Bow Up / Dual Vertical	2x80°					
	Bow Up / 180° Vertical	2x80°	180°	●	●	●	●
	Bow Up Vertical	80°	60° (90°)	60°	60°	60°	60°
	True Motion	●	●	●	●	●	●
	True Motion / Vertical	80°	60° (90°)	60°	60°	60°	60°
	Dual 1 Horizontal split	●	●	●	●	●	●
	Dual 2 Vertical split	●	●	●	●	●	●
	180° / Vertical	2x80°	60° (90°)				
	270° / Vertical	2x80°	60° (90°)	60°	60°	60°	60°
	Omni / Dual Vertical		2x60° (90°)				
	180° / Echosounder		●				
	Omni / Echosounder		●				
Functions:	Zoom	●	●	●	●	●	●
	Off-center	●	●	●	●	●	●
	Record/replay	●	●	●	●	●	●
17", 19" or 23" LCD Monitor	●	●	●	●	●	●	
Roll & Pitch Stabilization	●	●	●	●	●	●	
Auxiliary Interface (4 x RS232)	●	●	●	●	●	●	
Analog Gyro Interface	●	●	●	●	●	●	
Scientific Data Output	●	●	●	●	●	●	
Selectable Transducer Position	●	●	●	●	●	●	
20 knots Hull Unit	●	●	●	●	●	●	
1.6 m Transducer lowering	●	●	●	●	●	●	
Steel trunk for Hull Unit	●	●	●	●	●	●	
User setting	●	●	●	●	●	●	

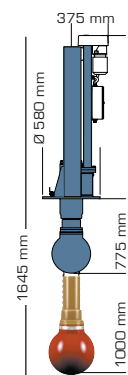
1) Triple frequency: 24kHz, 26kHz and 28kHz 2) Multiple frequency: 20 to 30kHz in 1kHz step ● Standard ● Option
 3) Multiple frequency: 110 to 122kHz in 1kHz step



SP90 Hull unit

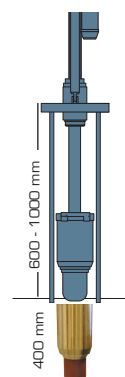


SH80 Hull unit

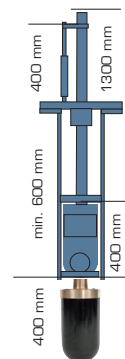


SP60/70 Hull unit

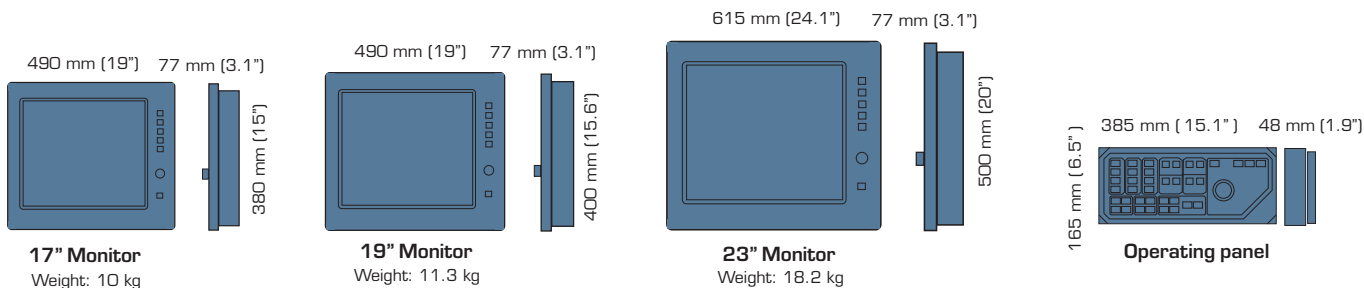
Sonar	Range	Resolution	Beam	Tilt
SL30/35	[Bar chart]	[Bar chart]	[Beam diagram]	180° / 90°
SH40	[Bar chart]	[Bar chart]	[Beam diagram]	60°
SH80	[Bar chart]	[Bar chart]	[Beam diagram]	60°
SP60	[Bar chart]	[Bar chart]	[Beam diagram]	60°
SP70	[Bar chart]	[Bar chart]	[Beam diagram]	180° / 60°
SP90	[Bar chart]	[Bar chart]	[Beam diagram]	60°



SH40 Hull unit



SL35 Hull unit



Sonar system

Frequency: 116 kHz (see options)
Ranges: 50, 75, 100, 150, 200, 300, 400, 500, 600, 750, 1000 and 1200 m
Tilt: +10 to -60 °
Detection range: 700 m with 0 dB target

Transducer

Geometry: Cylinder
Horizontal beam: 8 ° or 360 °
Vertical beam: 15 ° or 60 ° (vertical view)
Interfaces (RS-232):
 Speed log, Course gyro, GPS, Echo sounder, ITI/FS Trawl system, PI32 Purse seine system, Buoy data

Power requirements:

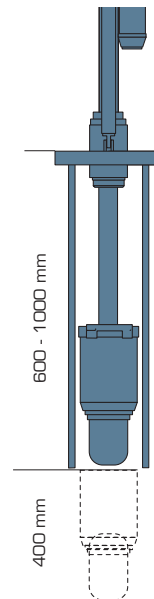
Display: 115/230 Vac, 50/60 Hz, 100 W
Processor Unit: 115/230 Vac, 50/60 Hz, 200 W
Transceiver: 115/230 Vac, 50/60 Hz, 500 W

Hull unit

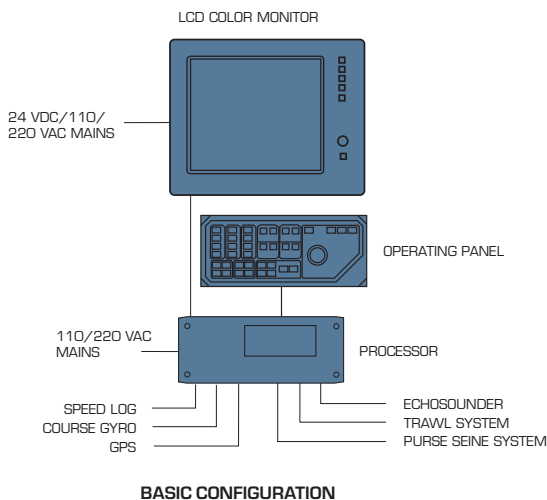
Hull unit: +24 Vdc, 10 A
Maximum travel: 400 mm
Hoist speed: 20 seconds
Maximum vessel speed: 20 knots
Trunk diameter: 8 "
Typical length: 1000 mm

Options

Display: 17", 19 " eller 21" LCD
 (Resolution 1280 X 1024 pixler)
Sonar frequency: 110 to 122 kHz
 (1 kHz steps)
Gyro connection: Analogue converter
Trunk: Type approved (DNV) trunk



SH40 Hull unit



Note: Specifications are subject to change without notice.