BEACH RESCUE EMILY

Weight 26 lb
Height 14 in
Width 14 in
Length 50 in
Positive Buoyancy 150 lb
Orange Flag 4 ft
Self-righting
1.2 KW Motor
Speed 23 + mph or 20 + kts
Custom Labels
Perimeter Grab Rope 8 ft
Waterproof Internal Modular Components
Duration 12 - 14 min full power run time (equal to 70 - 100 rescues at 100 yrds)
Battery Operational Range of 5 + miles at full power, 6 + miles at slower speeds
Three D-Ring Tow Line Attachments
Jet Pump Drive made of Aerospace Composites and Ceramic Bearings
Quick Change 240 WH Battery
Four Ergonomic Grab Handles
High-Grade Industrial Marine Fabric Float Cover
Fast Smart Battery Chargers
Frequency hopping 2.4 GHz Transmitter Controller with 3 watt Amplifier

EMILY
HEPEMPK1000

INCLUDES
Float Cover
Battery Charger 2-Pack
Battery Module
Flag
Boat Stand
Lanyard 2-Pack
Futaba Transmitter
User Manual

HEPEMBT1000

HEPBACH2002

HEPBATT1000

HEPFLAG1000

HEPBOST1000

HEPFLAN1002

HEPTMBG2000

HEPUSMN1000

For more information go to: www.emilyrobot.com

HYDRONALIX

EMILY KIT
HEPEMKT1000

KIT INCLUDES
Float Cover
Battery Charger 2-Pack
Battery Module
2 Additional Steering Arm Boot Seals
Electrical Anti-Corrosion Solution
3 Additional Inlet Grates
Flags 3-Pack
Boat Stand
Tool Kit
Lanyard 3-Pack
Futaba Transmitter
User Manual
Canvas Airline Carry Bag
Additional Impeller

HEPEMBT1000

HEPBACH2002 HEPBATT1000 HEPSABS1000 HEPELAC1000 HEPINGR1003

HEPFLAG1003 HEPBOST1000 HEPTLKT1000 HEPFLAN1003 HEPTMBG2000

HEPUSMN1000 HEPEMBG1000 HEPIMPE1000

EMILY STARTER KIT
HEPEMKT2000

KIT INCLUDES
Float Cover
Battery Charger 4-Pack
Battery Module 2-Pack
2 Additional Steering Arm Boot Seals
Electrical Anti-Corrosion Solution
3 Additional Inlet Grates
Additional Impeller
Flags 3-Pack
Boat Stand
Tool Kit
Lanyard 3-Pack
Futaba Transmitter
User Manual
Storage Cabinet
Charger Cabinet

HEPEMBT1000

HEPBACH2004 HEPBATT1002 HEPSABS1000 HEPELAC1000 HEPINGR1003

HEPIMPE1000 HEPFLAG1003 HEPBOST1000 HEPTLKT1000 HEPFLAN1003

HEPTMBG2000 HEPUSMN1000 HEPSTCA1000 HEPCHCA1000

For more information go to: www.emilyrobot.com HYDRONALIX

EMILY 2-PACK & DELUXE STARTER KIT
HEPEMKT3000

KIT INCLUDES
Float Covers
Battery Charger 4-Pack
Battery Module 4-Pack
2 Additional Steering Arm Boot Seals
Electrical Anti-Corrosion Solution
Canvas Waterproof Spray
6 Additional Inlet Grates
2 Additional Impellers
Flags 6-Pack
2 Boat Stands
Tool Kit
Bilge Bulb
Lanyard 6-Pack
Futaba Transmitter 2-Pack
User Manual
Storage Cabinet
Charger Cabinet
2 Additional Battery Straps
Stainless Steel Fastener Kit

HEPEMBT1000

HEPBACH2004   HEPBATT1004   HEPSABS1000   HEPELAC1000   HEPWASP1000   HEPINGR1006

HEPIMPE1002   HEPFLAG1006   HEPBOST1002   HEPTLKT1000   HEPBBLB1000   HEPFLAN1006

HEPTMBG2002   HEPUSMN1000   HEPSTCA1000   HEPCHCA1000   HEBTST1002   HEPFAKT1000

SWIFT WATER EMILY
HEPSWPK1000

INCLUDES
SWRE Float Cover
Battery Charger 2-Pack
Battery Module
Flag
Boat Stand
Lanyard 2-Pack
Futaba Transmitter
User Manual
Life Jacket
Helmet
Headlight

HEPSWBT1000

HEPBACH2002   HEPBATT1000   HEPFLAG1000   HEPBOST1000   HEPFLAN1002

HEPTMBG2000   HEPUSMN2000   HEPLJKT1000   HEPHLMT1000   HEPHDLT1000

For more information go to: www.emilyrobot.com   HYDRONALIX

SWIFT WATER EMILY KIT
HEPSWKT1000

KIT INCLUDES

Swift Water Cover
Battery Charger 2-Pack
Battery Module 2-Pack
2 Additional Steering Arm Boot Seals
Electric Anti-corrosion Solution
3 Additional Inlet Grates
Additional Impeller
Flags 3-Pack
Boat Stand
Tool Kit
Lanyard 2-Pack
Futaba Transmitter
User Manual
Life Jacket
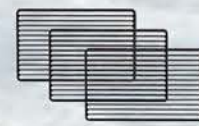Helmet
Headlight
2 VHF Radios

HEPSWBT1000

HEPBACH2002   HEPBATT1002   HEPSABS1000   HEPELAC1000   HEPINGR1003   HEPIMPE1000

HEPFLAG1003   HEPBOST1000   HEPTLKT1000   HEPFLAN1002   HEPTMBG2000   HEPUSMN2000

HEPLJKT1000   HEPHLMT1000   HEPHDLT1000   HEPVHFR1002

SWIFT WATER EMILY

Weight 31 lb
Height 14 in
Width 14 in
Length 50 in
Self-righting
2.4 KW Motor
Custom Labels
Orange Flag 4 ft
Speed 25 mph or 21 + kts
Positive Buoyancy 150 lb
Jet Pump Drive made of Aerospace Composites and Ceramic Bearings
Battery Operational Range of 3.5 + miles at full power, 6 + miles at slower speeds
Duration 5 - 6 min full power (40 - 70 rescues at 100 yrds at full power)
Waterproof two-way VHF Marine Band Radios with Remote Microphone, distance is line of sight
Frequency hopping 2.4 GHz Transmitter Controller with 3 watt Amplifier
River Rescue Life Jacket Coast Guard approved
Waterproof high power LED Headlight
High-grade, Industrial Marine Fabric Float Cover
Waterproof Internal Modular Components
Quick Change 240 WH Battery
Fast Smart Battery Chargers
Three D-ring Tow Line Attachments
Four Ergonomic Grab Handles
Optional Reversing Bucket
Night Navigation LED Lights
Perimeter Grab Rope 8 ft
River Rescue Helmet

For more information go to: www.emilyrobot.com

HYDRONALIX
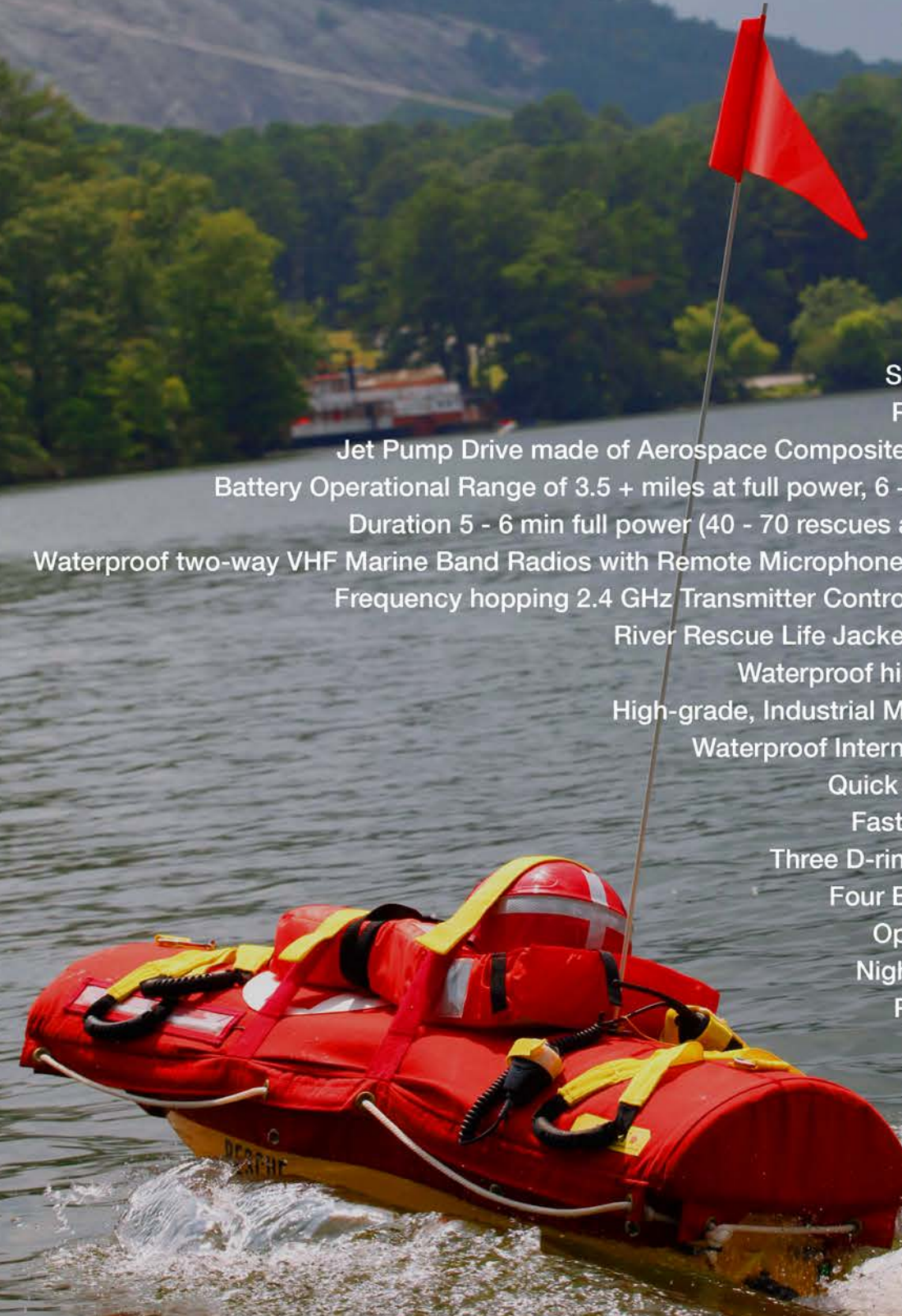
SONAR EMILY KIT

Transducer is permanently mounted in boat hull
HEPSNKT1000

KIT INCLUDES

Float Cover
Sonar Payload Station
Battery Charger 2-Pack
Battery Module
2 Additional Steering Arm Boot Seals
Electrical Anti-Corrosion Solution
Additional Inlet Grate
Additional Impeller
Boat Stand
Tool Kit
Lanyard 2-Pack
Fly Sky Transmitter
User Manual
Canvas Airline Carry Bag
Antenna Flags 2-Pack
Reversing Bucket
Digital GPS

HEPSNBT1000

HEPBACH2002

HEPBATT1000

HEPSABS1000

HEPELAC1000

HEPINGR1000

HEPIMPE1000

HEPBOST1000

HEPTLKT1000

HEPFLAN1002

HEPTMBG1000

HEPUSMN3000

HEPEMBG1000

HEPAFLG1002

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PAYLOAD STATION

& SAR HAWK SOFTWARE
(Included in SONAR EMILY Kit)

HIGH RESOLUTION SONAR

Provides high resolution bottom imagery
for locating drowning victims,
submerged vehicles and sunken boats.

SIDE SCAN SONAR

MAX MODE:
Maximizes sonar resolution through thermoclines
and other water column interference.

CLEAR MODE:
Allows for adjusting the bottom TVG without
amplifying water column interference.

3 COLOR PALETTES:
Palettes provide even more flexibility
on the water to deal with overcast or
full-sun conditions.

Compatible with multiple Mapping Systems

CHIRP Digital Sonar, DualBeam PlusDisplay Size - Diagonal 30.48 cm

AutoChart Live with depth, vegetation and bottom hardness mapping

Displays Multi-Sonar Imaging Screens and GPS position

MEGA Side Imaging, MEGA Down Imaging,

Humminbird Basemap Cartography (built-in)

Waterproof Payload Station, 4 watt Radio, AC or Battery

Battery and Range Indicator Light

Smart Device Compatible (phone or iPad) via Bluetooth

SAR HAWK® is professional software designed
with the Search and Rescue professional in mind.
It is automated and easy to use, yet provides the
ability to review and process Humminbird® data
at full resolution on a high-res monitor so you
don't miss a thing.

SAR HAWK

SAR HAWK
FIND WHAT YOU'RE MISSING

HEPPLST1000

For more information go to: www.emilyrobot.com

HYDRONALIX

EMILY E.R.S.
EMERGENCY INTEGRATED LIFESAVING LANYARD

SPEEDoo KIT
WATER SAMPLING
HEPSDKT1000

KIT INCLUDES
Float Cover
Battery Charger 2-Pack
Battery Module
2 Additional Steering Arm Boot Seals
Electrical Anti-Corrosion Solution
3 Additional Inlet Grates
Additional Impeller
Flags 3-Pack
Boat Stand
Tool Kit
Lanyard 3-Pack
Futaba Transmitter
User Manual
Canvas Airline Carry Bag
30 Water Collection Bags of various sizes
Spare Collection Tube

HEPSDBT1000

MAN OVERBOARD EMILY (MOBE) KIT
HEPMBKT1000

KIT INCLUDES
MOBE Cover
Battery Charger
High Capacity Battery 2-Pack
2 Additional Steering Arm Boot Seals
Additional Inlet Grate
Additional Impeller
Flags 3-Pack
Boat Stand
Lanyard 2-Pack
Futaba Transmitter
User Manual
Headlight
2000 Foot Reel
Reflective Strips
Navigation Lights (Port Red Light, Starboard Green Light)

HEPMBBT1000

HEPBACH2002	HEPBATT1000	HEPSABS1000
HEPELAC1000	HEPINGR1003	
HEPIMPE1000	HEPFLAG1003	HEPBOST1000
HEPTLKT1000	HEPFLAN1003	
HEPTMBG2000	HEPUSMN4000	HEPEMBG1000
HEPSWCB1000	HEPSDCT1000	

HEPBACH3000	HEPBATT3002	HEPSABS1000	HEPINGR1000	HEPIMPE1000	HEPFLAG1003
HEPBOST1000	HEPFLAN1002	HEPTMBG2000	HEPUSMN5000	HEPHDLT1000	
HEPREEL2000	HEPNAVL1000				

For more information go to: www.emilyrobot.com

HYDRONALIX

POLICE EMILY
HEPPOKT1000

KIT INCLUDES

Police EMILY Cover
Battery Charger 2-Pack
Battery Module
2 Additional Steering Boot Seals
Electric Anti-corrosion Solution
Additional Inlet Grate
Additional Impeller
Flags 3-Pack
Boat Stand
Tool Kit
Lanyard 2-Pack
Futaba Transmitter
User Manual
Headlight
Programmable Navigation Lights
2 VHF Radios with 600 Watt Speaker
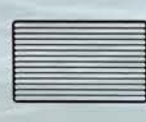
HEPPOBT1000

HEPBACH2002

HEPBATT1000

HEPSABS1000

HEPELAC1000

HEPINGR1000

HEPIMPE1000

HEPFLAG1003

HEPBOST1000

HEPTLKT1000

HEPFLAN1002

HEPTMBG2000

HEPUSMN6000

HEPHDLT1000

HEPNAVL1000

HEPVHFR1002

HEPSPKR1000

MRCV

HEPMRCV1000

**Perform Rescue and Recovery Operations
from inside the Command Vehicle**

Custom Long-bed Shell & Cargo Glide
Carries 3 EMILY Rescue Boats
Beach Rescue EMILY
Swift Water Rescue EMILY
and a Sonar EMILY
2 EMILY Payload Stations
Humminbird® Sonar Display
Humminbird® Marine Radar
Cell Phone Signal Booster
AIRMAR® PB200 Weather Station
8 battery charging stations
Hideaway Weather Awning
Rear Seat DVD Player
5000 Watt DC to AC Inverter
Roof Mounted Light Bar
ROV Optional – UAV Optional
32" TV monitor
Defibrillator

For more information go to: www.emilyrobot.com

HYDRONALIX

Carbon Fiber Drive Shaft
HEPCFDS1000

Ceramic Drive Bearings (Big)
Front HEPCDRB1000

Ceramic Drive Bearings (Small)
Rear HEPCDRB1100

Cooling Hose Nozzles
HEPCHNZ1002

Motor Drive Shaft Coupler
HEPMDSC1000

Motor Isolation Mounts 4-Pack
HEPMIMT1004

Rear Transom Cleat 2-Pack
HEPRTCT1002

Signal Wire
HEPSIWI1000

E Float Lanyards 3-Pack
HEPFLAN1003

E Float Lanyard 6-Pack
HEPFLAN1006

Electric Motor
HEPELMO1000

Electric Motor w/Housing
HEPELMH1000

Stainless Steel Fastener Kit
HEPFAKT1000

Steering Arm Assembly
HEPSTAA1000

Steering Arm Boot Seals
HEPSABS1000

Steering Nozzle
HEPSTNZ1000

Exit Nozzle
HEPEXNZ1000

Fly Sky Transmitter & Carry Case
HEPTMBG1000

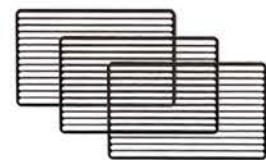**Futaba Transmitter & Carry Case**
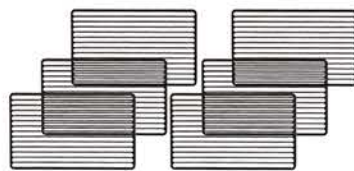HEPTMBG2000

Impeller
HEPIMPE1000

Steering Servo
HEPSTSV1000

Steering Servo Mount
HEPSTMT1000

Transom Cable
HEPTRCB1000

Inlet Grate 3-Pack
HEPINGR1003

Inlet Grate 6-Pack
HEPINGR1006

Magnetic Power Switch Box
HEPMPSB1000

Motor Control Module
HEPMTCM1000

Patents Include:
US #882555, Korea #10-1482486, Mexico #339942, Indonesia #W-00201304834, Hong Kong (Taiwan/China) #14108254.8,, Australia #2012239947,
European Union (30+ countries) #269436, Greece 3095439

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HYDRONALIX

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Battery Capacity Checker
HEPBTCC1000

Battery Module
HEPBATT1000

Battery Module 2-Pack
HEPBATT1002

Battery Module Case
HEPBTCS1000

Canvas Airline Carry Bag
HEPEMBG1000

Electrical Anti-Corrosion Solution
HEPELAC1000

Flag 3-Pack
HEPFLAG1003

Flag 6-Pack
HEPFLAG1006

High Capacity Battery Module
HEPBATT3000

High Capacity Battery Module 2-Pack
HEPBATT3002

Battery Charger 2-Pack
HEPBACH2002

Battery Charger 4-Pack
HEPBACH2004

Float Cover
HEPEMCV1000

Hatch Cover 2-Pack
HEPHTCV1002

Headlight
HEPHDLT1000

Rescue Reel 800 ft
HEPREEL0800

High Capacity Battery Charger 2-Pack
HEPBACH3002

High Capacity Battery Charger 4-Pack
HEPBACH3004

Battery Strap Restraining Mounts
HEPBTMT1002

Battery Straps
HEPBTST1002

Rescue Reel 2000 ft
HEPREEL2000

Spare Parts
HEPSPKT1000

Speaker
HEPSPKR1000

Tool Kit
HEPTLKT1000

Bilge Bulb
HEPBBLB1000

Boat Stand
HEPBOST1000

Charger Cabinet
HEPCHCA1000

Storage Cabinet
HEPSTCA1000

VHF Radios
HEPVHFR1002

Waterproof Spray
HEPWASP1000

Zip Ties
HEPZIPT1000

Patents Include:
US #882555, Korea #10-1482486, Mexico #339942, Indonesia #W-00201304834, Hong Kong (Taiwan/China) #14108254.8,, Australia #2012239947,
European Union (30+ countries) #269436, Greece 3095439

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HYDRONALIX

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Beach Rescue EMILY User Manual
HEPUSMN1000

Swift Water Rescue EMILY User Manual
HEPUSMN2000

SONAR EMILY User Manual
HEPUSMN3000

SPEEDoo EMILY User Manual
HEPUSMN4000

MOBE User Manual
HEPUSMN5000

Police User Manual
HEPUSMN6000

For more information go to: www.emilyrobot.com

Founded in 2009, Hydronalix has become a recognized leader and international symbol in robotics innovation for beach and flood rescue with our successful Patented Emergency Integrated Lifesaving Lanyard (EMILY) product line. We have 11,000 square feet of engineering, office and manufacturing space in Sahuarita, AZ. Company sales are both domestic and overseas with export distribution throughout Asia, Europe, the Middle East and the Americas.

NSF National Science Foundation STTR Funded Company

SBIR OFFICE OF NAVAL RESEARCH · Small Business Innovation Research

Hydronalix, Inc.
www.emilyrobot.com
520.203.8351

HYDRONALIX