



PROPANE OUTBOARDS



The Worlds First Propane Powered Outboard Marine Engine

Why Propane?



POWERFUL

4-STROKE ENGINES ▪ 110 OCTANE FUEL



ECO FRIENDLY

ZERO EVAPORATIVE EMISSIONS

PROPANE IS NOT A MARINE POLLUTANT



EASY START

NO CHOKE ▪ NO PRIMING

NO CARBURETOR GUM-UP ▪ NO WINTERIZING



ECONOMICAL

MORE COST-EFFECTIVE TO USE & MAINTAIN

The PROPANE Advantage

Propane is the cleaner, greener alternative fuel. Propane can be up to five times more efficient than traditional fuels, resulting in less energy waste and better use of our planet's resources.

Propane is Clean and Efficient

- Propane has long been recognized as a "green" gas
- Propane is an approved alternative fuel listed in both the Clean Air Act of 1990 and the National Energy Policy Act of 1992
- Propane is safe for the ozone. Converting small utility engines to burn propane can reduce emissions one third and increase fuel economy by 14%
- Propane engines are up to 50X cleaner than gasoline engines

How do you make a more reliable engine?

Use The Most Reliable Fuel Propane.

- Does Not Degrade
- Over Time
- Stores Indefinitely
- No Ethanol Problems



Everyone's talking about LEHR Propane Powered Outboard Marine Engines



LP2.5

2.5hp



TECHNICAL SPECIFICATIONS

Engine Type	Propane Powered 4 Stroke OHV
Horsepower Rating	2.5 hp (1.8 kW)
Displacement	4.39 cu in / 72 cc
Bore X Stroke	2.12" X 1.37" / 54mm X 31.5mm
Cylinders	1
Full Throttle RPM Range	4500 - 5500 RPM
Ignition System	CDI Ignition
Starting System	Manual
Fuel	Propane (110 Octane)
Carburetion	No Choke / No Priming
Lubrication	Wet Sump
Control System	Tiller Handle
Exhaust System	Above Propeller
Cooling System	Water / Thermostatic Control
Trim Positions	5
Gear Shift	F - N
Gear Ratio	2.08
Shaft Length	15"
Standard Prop	7.25" X 6" 3 Blade Aluminum
Weight	37.4 lbs / 16.96 kg
Fuel Tank Type	
On Board	Twist 'n Go 16.4 oz Propane Canister
Remote (Optional)	11 & 17 lbs Composite Tanks
Recommended Oil	4 Stroke 10W-30
Engine Oil Capacity	0.37 US qt (0.35L)
Warranty	3 Year Limited Warranty
C.A.R.B. Rating	3 Star Ultra Low



LP5.0

5hp



TECHNICAL SPECIFICATIONS

Engine Type	Propane Powered 4 Stroke OHV
Horsepower Rating	5 hp (3.6 kW)
Displacement	6.83 cu in / 112 cc
Bore X Stroke	2.32" X 1.61" / 59 mm X 41 mm
Cylinders	1
Full Throttle RPM Range	4500 - 5500 RPM
Ignition System	CDI Ignition
Starting System	Manual
Fuel	Propane (110 Octane)
Carburetion	No Choke / No Priming
Lubrication	Wet Sump
Control System	Tiller Handle
Exhaust System	Above Propeller
Cooling System	Water / Thermostatic Control
Trim Positions	5
Gear Shift	F - N - R
Gear Ratio	2.08
Shaft Length	LP5.0S 15" (S) LP5.0L 20" (L)
Standard Prop	7.5" X 7" 3 Blade Aluminum
Weight	LP5.0S 48.4 lbs / 21.8 kg
Fuel Tank Type	Twist 'n Go 16.4 oz Propane Canister
On Board	11 & 17 lbs Composite Tanks
Remote (Optional)	4 Stroke 10W-30
Recommended Oil	0.53 US qt (0.5L)
Engine Oil Capacity	3 Year Limited Warranty
Warranty	3 Star Ultra Low
C.A.R.B. Rating	

LP9.9

9.9hp



TECHNICAL SPECIFICATIONS

Engine Type	Propane Powered 4 Stroke SOHC
Horsepower Rating	9.9 hp (7.2 kW)
Displacement	12.94 cu in / 212 cc
Bore X Stroke	2.29" X 1.69" / 56 mm X 43 mm
Cylinders	2
Full Throttle RPM Range	4500 - 5500 RPM
Ignition System	CDI Ignition
Starting System	Manual or Electric
Fuel	Propane (110 Octane)
Carburetion	No Choke / No Priming
Lubrication	Wet Sump/Pressure Lubricated
Control System	Tiller Handle or Remote
Exhaust System	Through Prop
Cooling System	Water / Thermostatic Control
Trim Positions	5
Gear Shift	F - N - R
Gear Ratio	2.08
Alternator Output	6 amp / 80 watt - Electric 6 amp / 80 watt - Manual (Requires Optional Regulator)
Shaft Length	15" (S) 20" (L)
Standard Prop	8.5" X 8.5" 3 Blade Aluminum
Weight	LP9.9S 88 lbs / 39.8 kg
Fuel Tank Type	11 & 17 lbs Composite Tanks
Remote (optional)	31 lbs Liquid Draw Composite Tank
Recommended Oil	4 Stroke 10W-30
Engine Oil Capacity	0.85 US qt (0.8L)
Warranty	3 Year Limited Warranty
C.A.R.B. Rating	3 Star Ultra Low

LP15

15hp



TECHNICAL SPECIFICATIONS

Engine Type	Propane Powered 4 Stroke SOHC
Horsepower Rating	15 hp (11 kW)
Displacement	19.7 cu in / 323 cc
Bore X Stroke	2.32" X 2.32" / 59 mm X 59 mm
Cylinders	2
Full Throttle RPM Range	4500 - 5500 RPM
Ignition System	CDI Ignition
Starting System	Manual or Electric
Fuel	Propane (110 Octane)
Carburetion	No Choke / No Priming
Lubrication	Wet Sump / Pressure Lubricated
Control System	Tiller Handle or Remote
Exhaust System	Through Prop
Cooling System	Water / Thermostatic Control
Trim Positions	5
Gear Shift	F - N - R
Gear Ratio	2.08
Alternator Output	6 amp / 80 watt - Electric 6 amp / 80 watt - Manual (Requires Optional Regulator)
Shaft Length	15" (S) 20" (L)
Standard Prop	9.5" X 11" 3 Blade Aluminum
Weight	LP15S 110 lbs / 49.9 kg
Fuel Tank Type	31 lbs Liquid Draw Composite Tank
Recommended Oil	4 Stroke 10W-30
Engine Oil Capacity	1.06 US qt (1.0L)
Warranty	3 Year Limited Warranty
C.A.R.B. Rating	3 Star Ultra Low

Propane Power 4 Stroke Engine Design

Clean, efficient, eco friendly propane power.

Twist 'n Go Fueling

Simply twist in a standard 16.4oz "camping" propane canister and go. (LP2.5 & LP5.0)

Remote Fuel Tank Capability

Increased range add a remote 5 gal "BBQ" tank. LEHR also offers 3 sizes of lightweight composite auxiliary tanks

Electric Start Models

Easy, fingertip starting (LP9.9 & LP15)

Shallow Water Drive

Ability to run in shallow water

Tiller Handle with Twist Grip Throttle

Precise throttle control and steering

Throttle Friction Adjustment

Minimizes driver fatigue

Steering Friction Adjustment

Adjust steering tension to set and maintain direction

Auto Reverse Lock

User friendly & safety

Easy Starting

No choking or priming

Lightweight Compact Design

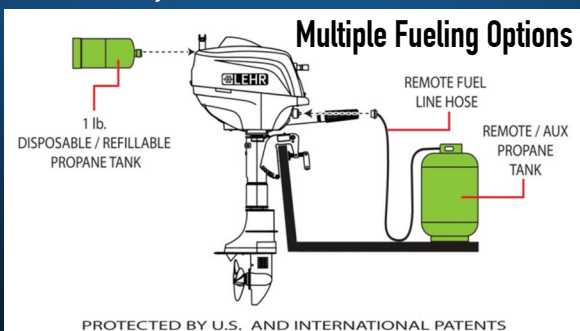
Rear Mounted Carrying Handle

Stainless Steel Drive, Shift & Prop Shafts

User friendly maintenance and corrosion protection

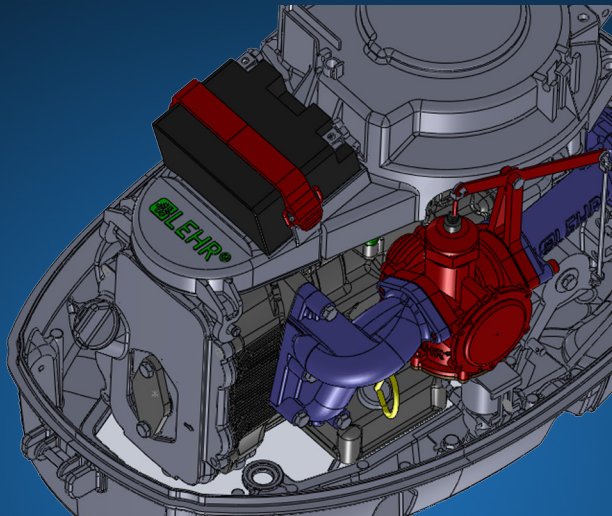
Emergency Stop Lanyard

User safety



New for 2014

The World's First **Electric Start**
Portable Outboard Motor with a
Self Enclosed Internal Battery for Starting Your Engine



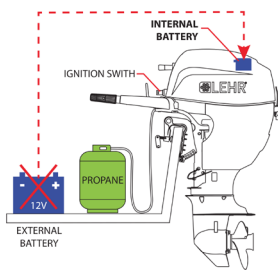
- Your portable outboard remains portable. No rigging or clutter in your boat
- Weighs less than 2 pounds making it 70% to 80% lighter than a traditional lead acid battery.
- Lithium Iron batteries are able to hold an unloaded charge for an entire year without compromising service life.
- Life span is up to twice as long as a lead acid battery
- Dry & Sealed — No maintenance or hazardous materials to worry about.
- Extremely low discharge rate making it an ideal choice for seasonal use.
- Recharges while you are running your engine.
- Three Year Warranty

Available in 4 models

LP9.9ES-IB	(15" Shaft Length)
LP9.9EL-IB	(20" Shaft Length)
LP15ES-IB	(15" Shaft Length)
LP15EL-IB	(20" Shaft Length)

WORLD'S FIRST INTERNAL BATTERY, ELECTRIC START,
9.9 & 15 hp

PROPANE POWERED
OUTBOARD MARINE ENGINES



FUEL CONSUMPTION TESTS

NOTE: All times are approximate and may vary based on the size and type of boat, wind, current and other factors.

Model		LP2.5	LP5.0	LP9.9	LP15
Gallons per Hour	@3000 RPM	.10 gal/hr	.22 gal/hr	.44 gal/hr	.66 gal/hr
	@5000 RPM	.24 gal/hr	.50 gal/hr	1 gal/hr	1.5 gal/hr
16.4oz Camping Bottle	@3000 RPM	2.5 HRS	1.4 HRS	N/A	N/A
	@5000 RPM	1 HR	30 mins	N/A	N/A
11 lb. 2.6 gallon Composite Tank	@3000 RPM	26 HRS	12 HRS	6 HRS	N/A
	@5000 RPM	11 HRS	5 HRS	2.5 HRS	N/A
17 lb. 4.0 gallon Composite Tank	@3000 RPM	40 HRS	18 HRS	9 HRS	N/A
	@5000 RPM	17 HRS	8 HRS	4 HRS	N/A
20 lb. (5 gallon) Standard Tank	@3000 RPM	48 HRS	22 HRS	11.4 HRS	N/A
	@5000 RPM	20 HRS	10 HRS	5 HRS	N/A
31 lb. (7.5 gallon) Liquid Draw Composite Tank	@3000 RPM	NA	N/A	17 HRS.	11.4 HRS
	@5000 RPM	NA	N/A	7.5 HRS	5 HRS



16.4oz
Camping Bottle



11 lb.
2.6 Gallon
Composite Tank



17lb.
4.0 Gallon
Composite Tank



20lb.
5 Gallon
Standard Tank



31lb. 7.5 Gallon
Liquid Draw
Composite Tank

HIGH USAGE ACCESSORIES



LPH10 10 ft Propane Connect Hose



LPT11 11 lb Propane Cylinder Composite Lightweight



LPT17 17 lb Propane Cylinder Composite Lightweight



LPT31LD 31 lb Propane Cylinder Composite Lightweight Liquid Draw



LPRC16 Remote Control Box with 16' Harness
 Note: Required for LP9.9ERS, LP9.9ERL, LP15ERS & LP15ERL Models



LPP2.5 2.5 HP Prop with cotter pin - 7 1/4" x 6"
LPP5.0 5.0 HP Prop with cotter pin - 7 1/2" x 7"



LPP2.5A5 2.5 & 5.0 HP Propeller (7.25 x 5 x 3)
LPP5.0A7 2.5 & 5.0 HP Propeller (7.5 x 7 x 3)
LPP9.9B7 9.9 HP Propeller (8.5 x 7 x 3)
LPP9.9B8 9.9 HP Propeller (8.5 x 8 x 3)
LPP9.9B9 9.9 HP Propeller (8.5 x 9 x 3)



LPP15C7 15 HP Propeller (9.25 x 7 x 3) (3 Blade)
LPP15C8 15 HP Propeller (9.25 x 8 x 3) (3 Blade)
LPP15C9 15 HP Propeller (9.25 x 9 x 3) (3 Blade)
LPP15C10 15 HP Propeller (9.25 x 10 x 3) (3 Blade)
LPP15C11 15 HP Propeller (9.25 x 11 x 3) (3 Blade)
LPP15C47 15 HP Propeller (9.25 x 7 x 4) (4 Blade)
LPP15C48 15 HP Propeller (9.25 x 8 x 4) (4 Blade)
LPP15C49 15 HP Propeller (9.25 x 9 x 4) (4 Blade)
LPP15C410 15 HP Propeller (9.25 x 10 x 4) (4 Blade)
LPP15C411 15 HP Propeller (9.25 x 11 x 4) (4 Blade)



LPP15HT45 15 HP High Thrust Propeller (10 x 5 x 4) (LP15)
LPP15HT47 15 HP High Thrust Propeller (10 x 7 x 4) (LP15)

THE LEHR STORY

Captain Bernardo J. Herzer, founder and CEO of LEHR Inc., is an entrepreneur and inventor with a deep passion for helping the environment. Founded in 2004, LEHR Inc. is dedicated to a cleaner planet through environmentally friendly technology. Inspired by Captain Herzer's commitment and forward thinking, the current slate of LEHR's research is focused on the use of clean burning propane to power small engines throughout several industries.



In 2008, Captain Herzer was granted the first of many patents to power small engines using propane. By helping to improve the nations air quality, LEHR Inc. was given the EPA Clean Air Excellence Award and numerous breakthrough product of the year awards, including one from Popular Science and a host of others.

Applying LEHR's technology to a marine solution is both timely and critical for our planet and its water supply. The EPA and CARB set strict new standards for gasoline marine engines and especially fuel systems in order to reduce the amount of gas fumes, carbon monoxide, hydrocarbons and smog-forming pollutants. Propane has long been recognized as a "green" energy source that reduces emissions, protects the environment and reduces our dependence on foreign oil.

Through the use of propane fuel, LEHR Inc. has found a cost effective way to reduce emissions and associated health risks which improves the marine environment all over the world.



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