

# CESSNA 182 SKYLANE

## PRODUCT & MODIFICATION GUIDE



## WIPLINE® 3000 FLOATS

Whether your dream is to fly to the remote glaciers of Alaska's Denali National Park or hop between white sand beaches of the islands, Wipaire® can outfit your Cessna 182 Skylane with the versatility and performance you need. Wipline 3000 floats are engineered to offer rugged durability and outstanding performance, giving you the freedom to explore.

### FEATURES AND BENEFITS

- Amphibious and seaplane floats available
- Modern hydrodynamic design with fluted bottom skins, sister keels and high bow buoyancy to get off the water quickly and perform in a wide range of conditions
- Best nose and main gear on the market, proven in the field and imitated by competitors
- Internal cables for water rudder controls
- Non-skid coated, flat top decks for safety
- Enhanced safety with amphibious gear advisory system and gear position indicator on the float deck of amphibious floats
- Two large float hatches for gear, measuring 25¾" x 12" with 50 pounds carrying capacity each
- Aluminum skins and parts are laser cut and rivet holes are pre-punched so that replacement parts fit perfectly
- Replaceable wear strips on main keel for ease of maintenance

Wipline 3000 floats are engineered to offer rugged durability and outstanding performance, giving you the freedom to explore. Wipaire also offers skis, modifications, interiors, avionics and maintenance. Purchase your floats and modifications from the only float company with over 55 continuous years of production and be assured we'll be there when you need support.

# SPECIFICATIONS FOR WIPLINE 3000 FLOATS

## WEIGHT

Amphibian System Total Weight	641 lbs (291 kg)
Amphibian Exchange Weight	498 lbs (226 kg) <sup>1</sup>
Seaplane System Total Weight	439 lbs (199 kg)
Seaplane Exchange Weight	296 lbs (134 kg) <sup>1</sup>
Aircraft Gross Weight	3,250 lbs (1,474 kg)

## FLOAT DIMENSIONS

Length – Seaplane	20'1" (6.12 m)
Length – Amphibian	20'8" (6.30 m)
Height – Hull	2'5" (0.74 m)
Width – Hull	2'8" (0.81 m)
Float Locker Capacity (each)	50 lbs (22.7 kg)

## DISPLACEMENT IN FRESH WATER

Amphibious Floats	3,125 lbs (1,417 kg)
Seaplane Floats	3,301 lbs (1,497 kg)

## MAXIMUM FLOTATION

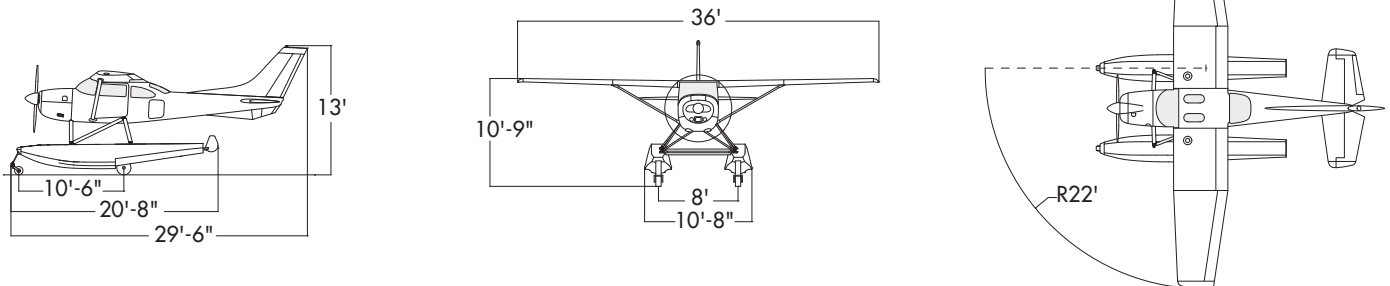
Amphibious Floats	3,472 lbs (1,474 kg) <sup>2</sup>
Seaplane Floats	3,668 lbs (1,664 kg) <sup>2</sup>

## 182 PERFORMANCE ON AMPHIBIOUS FLOATS

Engine	IO-540 (230 HP)
Gross Weight	3,250 lbs (1,474 kg)
Take off run (land)	1,174 ft (358 m)
Take off over 50 ft obstacle (land)	1,730 ft (527 m)
Take off run (water)	1,645 ft (501 m)
Take off over 50 ft obstacle (water)	2,463 ft (751 m)
Rate of climb	749 ft/min (228 m/min)

1) Exchange weight is equal to the float installation weight minus aircraft landing gear weight.

2) Per FAR 23.751 with 80% reserve buoyancy (2 floats)



## BENEFITS OF THE WIPLINE FLOAT KIT

When you add the versatility of Wipline 3000 floats to your Cessna 182 you will gain more than just the freedom to explore! You are getting the best float and rigging kit available for the 182.

- 4-point strut configuration enhances stability and is eligible for gross weight increase options
- 2" of expanded forward CG envelope allows for loading with pilot, co-pilot AND full fuel!
- Large chord rudder for improved crosswind operations (meeting FAR Part 23 standards)
- Large ventral fin improves directional stability to equal that of a 206 or a Caravan
- Replaces the awkward cross-brace on the lower firewall of Seaplanes West float kite-equipped aircraft, eliminating the need for the tedious removal of the brace when switching back to wheels seasonally



# MODIFICATIONS FOR THE CESSNA 182

## BOSS 182™ LYCOMING IO-580 ENGINE CONVERSION

The Boss 182 engine conversion is available for the Cessna 182S and 182T models in both landplane and floatplane configurations.

- Most powerful engine conversion available for the Cessna 182
- 315 hp stock, and 340+ hp after engine tuning by Ly-Con
- Digital engine monitor certified as primary (MVP-50 or EDM 930)
- High-flow tuned exhaust system adds effective horsepower
- Hartzell Trailblazer composite propeller is standard equipment and produces incredible thrust while reducing noise
- Firewall beef-up and heavy-duty engine mount improve not only the potential gross weight of the aircraft but also ease of maintenance
- Wipline 3000 equipped 182 features an enhanced chord rudder that improves crosswind operations, and larger ventral fin giving directional stability that rivals the 206 or even a 208



### EVEN BETTER TOGETHER:

Combine the Boss 182 engine upgrade with our gross weight increase to 3,500 lb for a truly impressive combination.

**23% Shorter Water Run\***

**40% Greater Rate of Climb\***

\*Boss 182 with 3,500 lb gross weight when compared to a stock 182S or 182T at 3,250 lbs

## GROSS WEIGHT INCREASES

Our gross weight increases will help you get the most utility out of your 182. These gross weight increases boast a greatly improved forward CG envelope that gives you more loading flexibility. You will no longer need to add weight to the baggage compartment to carry two people and full fuel or four people with half tanks.

### Gross Weight Increase to 3,500 lbs Take Off / 3,350 lbs Landing\*

- Available for 182S and 182T, when equipped with the Wipaire IO-580 conversion and Wipline 3000 floats
- Available for 182Q and 182R, when equipped with the AirPlains IO-550 conversion and Wipline 3000 floats

### Gross Weight Increase to 3,370 lbs Take Off / 3,350 lbs Landing\*

- Available for 182S and 182T, when equipped with the Wipaire IO-580 engine conversion and Wipline 3000 floats
- Available for Cessna 182P, 182Q, and 182R, when equipped with an AirPlains IO-550 engine conversion and Wipline 3000 floats

### Gross Weight Increase to 3,250 Take Off / 3,100 Landing

- Available for Cessna 182S and 182T on Wipline 3000 floats, included with new installs of Wipline 3000 floats

\*Note: This gross weight increase requires the installation of 4-point float struts. Conversion kits are available to upgrade existing 3-point strut configurations to the 4-point design.

## PERFORMANCE AT GROSS WEIGHT ON WIPLINE 3000 FLOATS

Engine and Gross Weight	IO-580 at 3,500 lb GW	IO-580 at 3,370 lb GW
Take off run (land)	987 ft (301 m)	958 ft (292 m)
Take off run over 50 ft obstacle (land)	1,836 ft (560 m)	1,765 ft (538 m)
Take off run (water)	1,257 ft (384 m)	1,241 ft (378 m)
Take off run over 50 ft obstacle (water)	2,463 ft (751 m)	2,414 ft (736 m)
Rate of climb (per/min)	1,048 ft (319 m)	1,123 ft (342 m)

Note: All take off run data calculated at International Standard Atmosphere.  
Performance data for Lycoming IO-580 is calculated using the Hartzell Trailblazer prop.

# WIPAIRE SERVICES

Minimize down time on your aircraft by coordinating services at either Wipaire's South St. Paul, MN headquarters or our service center in Leesburg, FL.

## MAINTENANCE

- Oil changes, borescope inspections, annuals, pre-buy inspections and more
- Restoration & upgrade services
- Float and landing gear inspections & repairs
- Cessna Single Engine Service Center

## AVIONICS

- Installation & repair services including bench work
- In-flight entertainment systems
- Satellite phones and internet
- Custom video camera installation
- Perform IFR certification

## INTERIORS

- Repairs to complete renovations
- Custom design service
- Interior modifications & upgrades
- Custom embroidery available
- Meticulous attention to detail

## PAINT REFINISHING

- Retouching & repair services
- Custom airbrushed art and decals
- Meticulous attention to detail
- Expert paint technicians
- Float paint matching available

## AIRCRAFT SALES & ACQUISITIONS

- Experienced & market savvy staff
- Customized marketing strategy
- Pre-buy inspections
- No hassle document preparation & filing



South St. Paul, MN (KSGS) - 651.451.1205

FAA CRS #RJWR390K - EASA 145.6194

Leesburg, FL (KLEE) - 352.323.4809

FAA CRS #RJWD390K

[www.wipaire.com](http://www.wipaire.com)