

TEAL AIRCRAFT CORPORATION

Specification and Performance
ICAO Standard Day

Craft Type	Single Engine	Single Engine
	Retractable	Retractable
Manufacturer	TEAL AIRCRAFT CORPORATION	
Model	TEAL II 150	TEAL III 180
Price	39,900	41,900
Seats	2/3	2/3
Wing Loading	14.0	14.6
Power Loading	14.7	12.8
Gross Weight	2200	2300
Empty Weight	1435	1450
Accessories	35	45
Equipped Empty Weight	1470	1495
Pay Load - Standard Fuel	454	529
*Range - Standard Fuel - 75% - + Reserve	473SM/411NM	400SM/348NM
*Range - Standard Fuel - 65% - + Reserve	490SM/426NM	410SN/356NM
*Range - Standard Fuel - 55% - + Reserve	503SM/437NM	417SN/363NM
Miles Per Gallon - 75%	13.8SM/12NM	12.8SM/ NM
Miles Per Gallon - 55%	14.7SM/ NM	13.1SM/ NM
Service Ceiling	12,000'	14,000'+
75% Cruise - 7500'	116MPH/102Kts	123MPH/107Kts
55% Cruise - 7500'	103MPH/ 90Kts	112 MPH/ 98Kts
Stall - Gear and Flaps	52 MPH/ 45Kts	52MPH/ 45Kts
1.3 VSC	67MPH/ 59Kts	67MPH/ 59Kts
Climb Rate - Sea Level Gross	600 FPM	810 FPM
Min. Field (50' Obstacle) Land	1210	1135
Min. Field (50' Obstacle) Water	1425	1255
Horsepower	150 CS	180 CS
Fuel STD.	46	46
*Maximum 90 Gallons will be available in 1978	46/70/75/90	46/70/75/90
Fuel Flow: 75% Power	8.4 GPH	10.1 GPH

NOTE: Tank options available.

TEAL AIRCRAFT CORPORATION
TEAL II 150 & TEAL III 180

BASIC AIRCRAFT:	Teal II	Lycoming 2000 hr	150 hp	\$39,900.00
	Teal III	Lycoming 2000 hr	180 hp	\$41,900.00

STANDARD EQUIPMENT

Seat Belts with Shoulder Harness	Vertical Speed Indicator
Headliner	Wing Tank and Sump Drains
Navigation Lights	2 Fuel Quantity Gauges
Ash Tray	Fuel Pressure Gauge
Heated Pitot	Oil Quick Drain
Wing Tip Strobe	Constant Speed Propellor
Vinyl Seats	Shielded Ignition
Baggage Tie Downs	Oil Filter
Vinyl Map Pockets	Prop Spinner (Teal III)
One Piece Windshield	Retractable Tail Wheel
Side Window can be opened in flight	Retractable Water Rudder
Tinted Window Overhead	60 Amp Alternator
Nitrogen Cylinder Assist for	Cabin Lighting
Manual Gear Retraction & Extension	Parking Brake
12 Volt Electric System	Airspeed Indicator (MPH)
Landing & Taxi Lights	Magnetic Compass
Long Span Manual Flaps	Oil Pressure & Temperature Gauge
Elevator and Rudder Trim	OAT Gauge
Sensitive Altimeter	Landing Gear Position Lights
Ammeter	Stall Warning Horn & Light
Manifold Pressure Gauge	"T" Tail Stabilizer
Recording Tachometer	Jack Points & Tie Down Rings
46 Gallons Fuel Standard	Mooring Cleats
Electric Fuel Pump	Anchor & Paddle
Magnetic Compass	Hatchet
	Bilge Pump w/Panel Switch

All Teal aircraft have as standard practices to protect your investment Alclad Aluminum throughout, Alodine and Cad plate corrosion proofing on all metal parts of the aircraft structure and Epoxy primer undercoating. Additionally, we offer you a choice of 4 colors of Urathane finish in 2 separate coats to further enhance the appearance of your amphibian aircraft.

TEAL II 150 OPTIONAL EQUIPMENT

Turn Coordinator	\$ 308.00
Turn & Bank Indicator (Exchange)	160.00
IFR Post Lights (13 each)	95.00
8 day Clock	75.00
Fire Extinguisher	14.00
Altimeter Millibars (Exchange)	35.00
Airspeed Indicators (Exchange)	
Knots	35.00
TAS MPH	55.00
TAS Knots	55.00
Hobbs Meter	70.00
Third Seat	750.00
Life Jacket (each)	25.00
Antenna Kit - includes NAV & Comm Antenna -	
Mike & Headset Jacks - Headset & Mike	250.00
Vertical Card Magnetic Compass	295.00
Janitrol Cabin Heater	1350.00
Electric Directional Gyro	1195.00
Electric Artificial Horizon	1350.00

RADIO OPTIONS

NARCO RADIO EQUIPMENT

ADF 141	\$1,595.00
ADF 141 RMI	2,350.00
Comm 120 TSO	1,265.00
DME 190 TSO	2,895.00
MKR 101 TSO	320.00
NAV 121	1,175.00
NAV 122	1,860.00
NAV 122A	1,650.00
UGR 2A TSO	655.00
Comm 10A	1,260.00
NAV 10	655.00

Below listed items are available on request:

Bendix ADT T12-D
King Radio Packages
Encoding Altimeter

TEAL III 180 OPTIONAL EQUIPMENT

Turn Coordinator	\$308.00	list
Vacuum System	300.00	
Directional Gyro Vacuum	215.00	
Artificial Horizon Vacuum	215.00	
IFR Post Light (13 ea.)	95.00	
8 Day Clock	75.00	list
Fire Extinguisher	14.00	
Altimeter - Millibars (Exchange)	35.00	
Airspeed Indicators (Exchange)		
Knots	35.00	
TAS MPH	55.00	
TAS Knots	55.00	
Turn & Bank Indicator (Exchange)	160.00	
Hobbs Meter	70.00	
Third Seat	750.00	
Life Jackets	25.00	list
Carburetor Ice Detector		
Antenna Kit - includes NAV & Comm Antenna - Mike & Headset Jacks - Headset & Mike	247.50	
Vertical Card Magnetic Compass	295.00	
Electric Directional Gyro	1195.00	list
Electric Artificial Horizon	1350.00	list
Janitrol Gas Heater	1350.00	

RADIO OPTIONS

NARCO Radio Equipment

ADF 141	\$1,595.00
ADF 141 RMI	2,350.00
Comm 120 TSO	1,265.00
DME 190 TSO	2,895.00
MKR 101 TSO	320.00
NAV 121	1,175.00
NAV 122	1,860.00
NAV 122A	1,650.00
UGR 2A TSO	655.00
Comm 10A	1,260.00
NAV 10	655.00

Below listed items are available on request:

Bendix ADT T12-D
King Radio Packages
Encoding Altimeter

WORKSHEET FOR OPERATOR

<u>Fixed Cost</u> - Lease - *40 Hr Min @ \$20/Hr	<u>Per Month</u>
Insurance - <u>Assume</u> 1200 year	\$800
	<u>100</u>
Total Fixed Costs	\$900/Month

*50 Hrs @ \$18 = \$900/Mo *60 Hrs @ \$16 = \$960/Mo *75 Hrs @ \$14 = \$1050/Mo

<u>Variable Costs</u>	<u>Per Hour</u>
Fuel 10 gallons/hour @ 80¢ gal.	- \$ 8.00
Oil 1/4 quart/hour @ 1.00/qt.	- .25
Allowance for maintenance and repair	- 2.00
Reserve for engine overhaul (2000 TBO)	- 2.00
Allowance for 25/50/100 hour inspections	- <u>2.00</u>
Total Variable Costs	\$14.25

Cost of Operation Per Flight Hour:

Hours Flown Per Month	30	40	50	60	75
Fixed Cost Per Hour (pro rated)	\$ 30.00	22.50	20.00	17.67	15.33
Variable Cost Per hour	\$ 14.25	14.25	14.25	14.25	14.25
Total Cost Per Flight Hour	\$ 44.25	36.75	34.25	31.92	29.58
* <u>Assumed</u> Pilot Pay/Hour	\$ 10.00	10.00	10.00	10.00	10.00
Total Rate With Pilot	\$ 54.25	46.75	44.25	41.92	39.58
**Average Revenue Per Hour	\$ 49.41	49.41	49.41	49.41	49.41
Average Hourly Profit (Loss) Per Hour	(\$4.84)	2.66	5.16	7.49	9.83
Annual Flight Hours	360	480	600	720	900
Annual Contribution to Profit	(\$1742.40)	\$1276.80	\$3096.00	\$5392.80	\$8847.00