

EXPRESS N3FC FLIGHT OPERATIONS

SPECIFICATIONS

Express Wheeler Express FT
Engine: Lycoming IO-540-C4B5
Max. H/P: 260 HP @ 2700 RPM
Prop: Hartzell 3 blade
HC-C3YR-1RF/F7590

Length: 25 ft
Wingspan: 31 ft
Wing area: 130 sq ft
Aspect ratio: 7.4:1
Cabin width front: 46"
Cabin width rear: 44"
Cabin height: 42"

Gross weight	3200 lbs
Empty weight	2088 lbs*
Useful Load	1112 lbs
Fuel: Total	91 gal
Mains Ea	24.5 gal
Aux Ea	21 gal
Payload (full fuel)	566 lbs*

*Note: see weight & balance sheet for latest information

OTHER INFO

Est. fuel burn: 15 gal/hr
Endurance (w/ 45 minute reserve): 5.3 hr
Range @ 185 KTS TAS with reserve: 1000 miles

HOT ENGINE START

1. Fuel selector—On
2. Throttle—Closed
3. Mixture—Off
4. Fuel Boost—On
5. Ignition Switch—Start
6. Mixture—Rich When Engine Fires

FLOODED ENGINE

1. Discontinue cranking
2. Allow intake to drain
3. Perform normal start

Note: Do not crank flooded engine; allow intake to drain fuel before attempting start

AIRSPEEDS

Vr -- 60 KTS
Vx -- 75 KTS (flaps 10°)
Vy -- 98 KTS
Vno -- 185 KTS
Vne -- 230 KTS
Va -- 153 KTS
Vfe -- 122 KTS
Vsl -- 55 KTS
Vso -- 51 KTS

BEST GLIDE – 98 KTS

BEFORE STARTING ENGINE

1. Preflight Insp.—Complete
2. Passenger Brief—Complete
3. Avionics Master Switch—Off
4. Circuit Breakers—Check in
5. Fuel Valve—Fullest Tank
6. Seats / Belts—Adjust & Lock
7. Brakes—Set
8. Cowl Flaps—Open

STARTING ENGINE

1. Mixture—Rich
2. Propeller—High RPM
3. Throttle—1/4" Open
4. Master Switch—On
5. Ignition Switch—Both
6. Fuel Boost—On
7. Mixture—Idle cut-off
8. Propeller Area—Clear
9. Ignition Switch—Start
10. Throttle—1000 rpm after start
11. Oil Pressure—Check
12. Alternator Field—On
13. Avionics Master—On
14. Transponder—Standby-1200
15. Nav. Lights—On as required
16. Flaps—Retract for taxi
17. Mixture—Lean as necessary

TAXI CHECK

1. Radios—Set/Check
2. Taxi Area—Clear
3. Brakes / Steering—Check