Arrow 180

Arrow	180
Speeds (KIAS @ ma	
V _{s0}	
V _{s1}	
V _r	
V _x	
V _y	
V _a	
V _{fe}	
V _g	
V _{no}	121
V _{gear-down}	
V _{ne}	
Max Crosswind Comp	17
Specifica	
Standard empty weight	1380 lbs
Gross weight	2500 lbs
Fuel	5 0 '
	50 gal
	49.75 gal
	0.5-6.0 psi
Oil	6-8 qts
Tire pressure	
Nose24 psi ((6.00x6, 4-ply or 6-ply)
Main(s) 24 psi ((6.00x6, 4-ply or 6-ply)
Gear extension (on ground	d)2-3 in
Cabi	n
Dispatch status	Signed/In-progress
Hobbs & tach time	
Required docs (ARROW).	on board
Control wheel lock	remove
Ignition key	
Gear selector switch	down
Flaps	
Avionics switch	
Master switch	
Fuel gauges	
Avionics cooling fan	verify operational
Pitot heatvei	rify operational for IFR
Exterior lights	verify operational
Master switch	
nactor switch	
Right W	
Flaps security	
Ailerons	movement/security
Wingtip/nav lights	undamaged
Leading edge condition	
Tiedown	remove
Overflow vent	
Right main gearti	re inflation/brake lines
Fuel tank	sump
Fuel quantity	check visually
Fuel cap	secured/vent clear
•	

Nose

Engine cowling secure/undamaged

Oil level6-8 qts

Propeller/spinner	d n d ut p
Left Wing	
Fuel tanksum	p
Fuel quantity chec	K
Left main gear tire inflation/brake line	ı.
Tiedownremov	
Overflow ventunobstructe	d
Emergency gear mastunobstructe	d
Pitot/static mastunobstructe	d
Stall warning switch moves freel	y
Leading edge conditionundamage Wingtip/nav lightsundamage	a
Aileronsmovement/securit	v
Flapssecurity/attach points/linkag	e
, , ,	
Empennage	
General surface conditionundamage Stabilatormovement/security/linkag	
Ruddermovement/security/irikag	v
Tail tie down remov	
Baggage doorclosed/locke	
Before Startup	_
Passenger briefingcomplet Seats/belts/harnessesadjusted/secur	e
Flaps u	
Flight controlsfree and correct	ct
Fuel selector valve fullest tan	k
Avionics switch	
Gear selector switchdow	n
Engine Start	
Brakesapplie	
Mixture ric	
Propellerfull forwar	d
Throttle open ¼ inc Gear selector switch dow	n
Master switch o	n
Beacon o	
Fuel pumpon until fuel pressure note	
Prop areaclear left/center/righ	nt
Ignition switchboth/push to sta	
Throttle	n
Oil pressure	n
Fuel timerstal	
Note: This aircraft does NOT cross feed	•
from both fuel tanks. Fuel tanks must be	
switched periodically in order to maintain	
an even fuel load.	_
Mixturepre-lean for ground op	
Avionics switch o Transponderstandb	
Radiosobtain weather and taxi clearanc	

laxi	
Brakes	check
IFR taxi check (if needed)	
Compass	swinging freely
	opposite of turn
Directional gyro	shows turn
	5mins/5°
Attitude indicator	
Oracinal abook/Er	
Ground check/Er	ngine run-up
Aircraft	. position appropriately
Brakes	
Door/window	
Fuel selector valve	on fullest tank
Elevator trim	set to neutral
Mixturelo	
Throttle	
//acuum gauge	normal
	normal
	normal
Generator	producing amperage
	5 rpm drop/run smooth
Prop	cycle
Idle check	verify engine operation
Throttle	1000 rpm
Flight instruments	
Radiosnotify to	
1144100	Wol/tano on 5.54.4.152
Before Ta	kanff
Landing light	UII
Anti-collision lights	
Position lights	on after dark
Transponder	alt
Runwayclear or	n final/ahead/departure
Normal Ta	
Electric boost pump	on
Fuel selector	fullest tank
Throttle	
Check instruments an	
Rotate	
Initial climb-out	
Cruise climb	07 KIAS
Cruise Cirrib	97 KIAS
Chart field	Tales off
Short-field	
Taxi into position a	
Flaps	25°
Electric boost pump	on
Throttle	full
Check instruments an	d engine gauges,
release bi	rakes
Rotate	75 KIAS
Initial climb-out	75 KIAS
Soft-field T	akeoff
Use minimal breaking and	
taxiing to keep excessive	weight off the nose
wheel during taxi and si	
Flaps	
Flactric boost numn	25
Electric boost pump	on

Throttlefull

Check instruments and engine gauges while

maintaining backpressure. As the aircraft

Taxi

leaves the ground, lower the nose and remain in ground effect until V_x or V_y is achieved.

Climb-out (once clear of all obstacles)

Raise gear only after establishing a positive rate of climb

Gear selector switch	up
Flaps	
Engine gauges	check
Airspeed	87 KIAS

Cruise

I hrottle	2400-2500 rpm
Mixture	lean above 3000' ms
Heading indicator/comp	oasscrosscheck
Landing/Taxi lights	off

Switching fuel tanks

Air	craft	straight and level
Ele	ctric boost pump	on
	el selector switch	
Ele	ctric boost pump	. off after 30 seconds
Ele	ctric boost pump	. off after 30 seconds

Descent/Landing

Seatbelts and harnesses.	secure
Fuel pump	on
Fuel selector	
Mixture	enrich as needed
Flaps	as desired
Gear selector switch	
Throttle	1500 rpm
Airspeed	80 KİAS
•	

After Landing

clear/exited
up
standby
as needed
off
neutral
obtain clearance to taxi

Shutdown

Lights (except beacon)	off
Avionics master switch	off
Mixture	full lean
Ignition switch	off
Master switch	off
Hobbs & tach time	record
Control lock	in place
Aircraft	tied down/in hangar
Nose gear	chocked
Leading edges/surfaces	wipe down

WARNING: The information needed in any checklist varies between individual aircraft and while we believe the information in this checklist to be accurate, no representations are made as to the degree of accuracy of this information. This information constitutes only partial information and is not to be used as a substitute for the information contained in the approved pilot's operating handbook. Use of this checklist indicates that the user assumes all risk of use and consents to bear all liability associated with the use of this product.