

Porter DHC8-400

BEFORE TAKEOFF

ICE PROT/ PITOT HEAT OFF or ON
APU OFF
FLAPS SET / INDICATED
AUX PUMPS ON / TRANSFER OFF
CONTROL TRIMS 3 SET
ALTIMETERS SET
T.O. DATA REVIEWED
CABIN CHECK RECEIVED

..... **CLEARED FOR TAKEOFF**

PITOT HEAT / BYPASS DOORS ON / CLOSED or OPEN
IGNITION NORM or MANUAL
WARNING / CAUTION LIGHTS CHECKED
BLEED AIR MIN / OFF
TRANSPONDER / TCAS ALT / AUTO
CONTROL LOCKS OFF
LANDING LIGHTS / STROBES ON / WHITE

AFTER TAKEOFF

LANDING GEAR UP / NO LIGHTS
FLAPS 0
YAW DAMPER ENGAGED
BLEED AIR ON / NORM or MAX
AUX PUMPS OFF
AUTOFEATHER OFF
HYDRAULICS NORM
SYNCHROPHASE ON
ENGINE INSTRUMENTS CHECKED
IGNITION NORM or MANUAL
WINDSHIELD HEAT WARM UP
ICE PROT OFF or ON
MAX SPEED BELOW 4500 180kts (bird strike)

DESCENT

PRESSURIZATION CHECKED / SET
ICE PROT OFF or ON
ALTIMETERS 3 SET
APP BRIEF / LDG DATA REVIEW

APPROACH

PASSENGER SIGNS ON
IGNITION NORM or MANUAL
AUX PUMPS ON / TRANSFER OFF
HYDRAULICS 1 & 2 / 7 UP
SYNCHROPHASE OFF

Porter DHC8-400

LANDING

WARNING / CAUTION LIGHTS..... CHECKED
LANDING GEAR 3 GREENS
FLAPS SET / INDICATED
CONDITION LEVERS 1050 or MAX
BLEED AIR MIN / OFF

AFTER LANDING

CONTROL LOCKS..... ON
FLAPS 15, 5, 0
BUS TIE ON
ICE PROT / PITOT HEAT / W.S. HEAT OFF
IGNITION NORM
BLEED AIR ON / NORM or MAX
AUX PUMPS OFF
CONDITION LEVERS MIN
TRANSPONDER & TCAS STBY
RADAR OFF

SHUTDOWN

◆ PARK BRAKE..... SET
◆ POWER LEVERS..... FLT IDLE
◆ CONDITION LEVERS ONE or BOTH / FUEL OFF
◆ FASTEN BELTS OFF
◆ BLEED AIR MIN & OFF
◆ EMERGENCY LIGHTS OFF or ARMED
◆ ANTI-COLLISION OFF or ON
PRESSURIZATION DUMP
ELT OFF or ON
ANTISKID OFF
HYDRAULICS NORM
◆ NOSEWHEEL STEERING OFF
MAIN & AUX BATTs OFF or ON
◆ BATTERY MASTER OFF or ON

CONDITIONS: ALL WEIGHTS, BLEEDS ON, DEICING ON/OFF

TYPE II CLIMB TORQUE (%) Dash 8 301/311 1050 RPM																					
ALT	TAS	OAT = SAT °C																			
000	KTS	-50	-45	-40	-35	-30	-25	-20	-15	-10	-05	0	+05	+10	+15	+20	+25	+30	+35	+40	
25	135	64	63	61	60	58	57	55	54	52	50										
24	139	67	66	64	62	61	59	58	56	54	52										
23	143	71	69	67	66	64	62	61	59	57	55	52									
22	147	74	72	70	69	67	65	64	62	60	58	55									
21	151		76	74	72	70	69	67	65	63	61	58	55								
20	155		79	77	75	74	72	70	68	66	64	61	58								
19	159		82	81	79	77	75	73	71	69	67	64	61								
18	163		86	85	83	81	79	77	74	72	70	67	64	60							
17	164		90	88	86	84	82	80	77	75	73	70	66	63							
16	165			91	89	87	85	83	81	78	76	73	69	66	63						
15	165			95	93	91	88	86	84	82	79	76	72	69	66						
14	165				96	94	92	90	87	85	82	79	75	72	68						
13	165					96	95	93	90	88	85	82	78	74	71	68					
12	165							96	94	92	89	85	81	77	74	70					
11	165								96	95	92	88	84	80	76	73	69				
10	165									96	95	92	87	83	79	75	72				
9	165										96	94	90	87	83	79	75	71			
8	165											96	95	93	90	86	82	78	74		
7	165												96	93	90	85	81	77	73		
6	165													96	93	89	84	80	76		
5	165														96	95	92	88	83	79	
4	165															96	95	91	87	82	
3	165																96	94	90	86	81
2	165																	96	94	89	84
1	165																		96	92	87

CONSTANT 96% TORQUE

MAXIMUM CRUISE TORQUE (%) Dash 8 301/311 900 RPM																							
ALT		OAT = SAT °C																					
000		-50	-45	-40	-35	-30	-25	-20	-15	-10	-05	0	+05	+10	+15	+20	+25	+30	+35	+40			
25		75	73	71	69	66	64	62	59														
24		79	77	75	72	70	68	66	68	59	56												
23		84	81	79	76	74	71	69	66	63	59	56											
22		88	85	82	80	78	75	72	69	66	63	59											
21			89	87	84	82	79	76	73	69	66	62	59										
20			94	91	88	86	83	80	77	73	70	66	62										
19			96	95	92	90	87	84	81	77	73	69	65										
18					96	94	91	88	85	81	77	72	68	65									
17						96	94	92	89	85	81	76	71	68									
16								96	93	89	84	80	75	71	67								
15									96	92	88	84	79	75	71								
14										96	92	87	83	78	74								
13											96	91	87	82	77	73							
12												96	91	86	81	76							
11													96	94	89	84	79	75					
10														96	93	88	83	79					
9															96	95	92	87	82	78			
8																96	95	91	86	81			
7																	96	94	90	85	80		
6																		96	93	89	83		
5																			96	95	92	88	
4																				96	94	91	
3																				96	95	93	
2																					96	95	92

CONSTANT 96% TORQUE

CONDITIONS: ALL WEIGHTS, BLEEDS ON, DEICING ON/OFF