

#### **TYPE CERTIFICATE DATA SHEET Nº EM-8005**

Type Certificate Holder:

PRATT & WHITNEY CANADA, INC. 1000 Marie Victorin Longueuil, Quebec - J4G 1A1 CANADA EM-8005-10

Sheet 01

# PRATT & WHITNEY CANADA

PT6A-27; -28; -34; -35; -42; -42A; -52; -61; -112; -114; -114A; -135; -60A; -65B; -11AG; -15AG; -34AG; -60AG; -65AG, -140

09 August 2013

Engines of models described herein conforming with this data sheet, which is part of Type Certificate No. 8005, meet the minimum standards for use in certificated aircraft in accordance with pertinent aircraft data sheets and applicable portions of the Brazilian Aeronautical Regulations provided they are installed, operated, and maintained as prescribed by the approved manufacturer's manuals and other instructions.

I - MODELS

PT6A-27; -28; -34; -112.

TYPE

Free turbine turbo-prop / 3 axial plus one centrifugal stage compressor; single annular combustion chamber, single-stage gas generator turbine/ single-stage power turbine.

**RATINGS** 

				The state of the s
Maximum continuous at sea level	PT6A-27	PT6A-28	PT6A-34	PT6A-112
Equivalent shaft horsepower, kW (hp)	533.17 (715)		583.8 (783)	393.72 (528)
Shaft horsepower, kW (hp)	507.07 (680)		559.27 (750)	372.84 (500)
Jet thrust, N (lb)	400.33 (90)		364.75 (82)	311.37 (70)
Output, rpm	2 200			1 900
Gas generator, rpm	38 100		4 4	

RATINGS (Cont.)	Takeoff (5 min. at sea level)	PT6A-27	PT6A-28	PT6A-34	PT6A-112	
	Equivalent shaft horsepower, kW (hp)	533.17 (715)		583.8 (783)	393.7 (528)	
	Shaft horsepower, kW (hp)	507.0 (680)	74-7 <u>18</u> -195	559.2 (750)	372.8 (500)	
	Jet thrust, kg (lb)	40.8 (90)		37.1 (82)	31.7 (70)	A 4 (4 / 7)
	Output, rpm	2 200			1 900	
	Gas generator, rpm	38 100				
MAXIMUM REVERSE	Shaft, kW (hp)	462.3 (620)		536.9 (720)	354.2 (475)	
	Output, rpm (maximum)	2 100			1 825	
REDUCTION GEAR RATIO		0.0663:1			0.576:1	
FUEL TYPE	Fuels conforming to the current P&WC Installation Manual for further details.	specifications	CPW 204 and	CPW 46, and	later revisions.	Refer to the
OIL, LUBRICATION	Specifications	See Note 7				
	Oil tank capacity, liters (gal.) Usable oil tank capacity, liters (gal.)	8.7 (2.3) 5.6 (1.5)				
TEMPERATURE LIMITS		See Note 1		-		
PRESSURE LIMITS		See Note 2		\$ 15 <u>-</u>		
PRINCIPAL	Length, cm (in.)	157.2 (61.89)	No.	( 44 <u>-</u>	W TO LET	
DIMENSIONS	Nominal diameter, cm (in.)	45.8 (18.06)				
	Maximum radius, cm (in.) (Excluding exhaust ports)	29.21 (11.50)			200 <del>-</del> 2 200 <sub>-</sub> 22	
WEIGHT (DRY)	Includes basic engine, fuel and ignition systems but excludes propeller (-6 and -20 models only) governor and ignition power					
	source, kg (lb).	142.88 (315)		144.24 (318)	145.60 (321)	

		PT6A-27	PT6A-28	PT6A-34	PT6A-112	
CENTER OF GRAVITY	Forward of mount plane, cm (in.)	7.72 (3.04)	A CONTRACTOR		12.03 (4.74)	
(DRY WEIGHT)	Below engine centerline, cm (in.)	0.81 (0.32)		- 12	0.86 (0.34)	
	Right of engine centerline, cm (in.)	0.50 (0,20)	5-4-7		1.06 (0.42)	
AIR BLEED		See Note 5				140
PROPELLER OVERSPEED	Maximum, rpm (%)	2 425 (110)	-		2 090 (110)	
	100% rpm	2 200	-		1 900	7×13
GAS GENERATOR OVERSPEED	10 seconds maximum, rpm (subject to temperature and other limits)	38 500			-	
OUTPUT TORQUE	Maximum steady state, Nm (lb.ft)	2 207 (1 628)	2 421 (1 786)	2671 (1970)	2 007 (1 480)	
	Transient acceleration, Nm (lb.ft)	2847 (2100)	2847 (2100)	2847 (2100)	2576 (1900)	
OUTPUT SHAFT	Type	Flanged		-76 / <u>L</u> 1 / E		
	No. of bolts holes	8	-			
	Dia. of bolts holes, cm (in.)	1.508±0.012			_ 1	
	DC and (in )	(0.594±0.005)		THE REAL PROPERTY.		
	BC, cm (in.) (See P&WC Installation Drawing)	10.79 (4.25)		- (*) - (*)	The Test	A GARAGE
II - MODELS	PT6A -114; -135; -114A; -35; -140					
TYPE	Free turbine turbo-prop / 3 axial plus on stage gas generator turbine/ single-stage	e centrifugal sta e power turbine.	age compresso	r; single annular	combustion ch	amber, single
RATINGS	Maximum continuous at sea level	PT6A-114	PT6A-135	PT6A-114A	PT6A-35	PT6A-140
	Equivalent shaft horsepower, kW (hp)	471.2 (632)	586.8 (787)	540.63 (725)	586.8 (787)	680 (912)
	Shaft horsepower, kW (hp)	447.4 (600)	559.2 (750)	503.34 (675)	559.2 (750)	647 (867)
	Jet thrust, N (lb)	351.4 (79)	413.6 (93)	551.57 (124)		529 (119)
	Output, rpm	1 900			2 190	1 900
	Gas generator, rpm	38 100				38 850

		Mark Wall				
RATINGS (Cont.)	Takeoff (5 min. at sea level)	PT6A-114	PT6A-135	PT6A-114A	PT6A-35	PT6A-140
	Equivalent shaft horsepower, kW (hp)	471.2 (632)	586.86 (787)	540.63 (725)	586.8 (787)	680 (912)
	Shaft horsepower, kW (hp)	447.4 (600)	559.2 (750)	503.34 (675)	559.2 (750)	647 (867)
	Jet thrust, N (lb)	351.4 (79)	413.6 (93)	551.57 (124)	413.6 (93)	529 (119)
	Output, rpm	1 900			2 190	1 900
	Gas generator, rpm	38 100	-		-	38 850
MAXIMUM REVERSE	Shaft, kW (hp)	447.4 (600)	536.9 (720)	503.34 (675)	536.9 (720)	647 (867)
	Output, rpm (maximum)	1 825			2 100	1 825
REDUCTION GEAR RATIO		0.0576:1				0.582:1
FUEL TYPE	Fuels conforming to the current P&WC s Installation Manual for further details.	pecifications Cl	PW 204 and CP	W 46, and later	revisions. Refe	er to the
OIL, LUBRICATION	Specifications	See Note 7				
	Oil tank capacity, liters (gal.)	8.7 (2.3)	4 6	12-14-4		8.9 (2.36)
	Usable oil tank capacity, liters (gal.)	5.6 (1.5)				3.7 (0.98)
TEMPERATURE LIMITS		See Note 1	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	of the		
PRESSURE LIMITS		See Note 2				
PRINCIPAL DIMENSIONS	Length, cm (in.)	157.2 (61.89)				162.92(64.14)
	Nominal diameter, cm (in.)	46.45 (18.29)	- 100			48.05 (18.92)
	Maximum radius, cm (in.) (excluding exhaust ports)	29.2 (11.50)		29.79 (11.73)	5.7	36.37 (14.32)
WEIGHT	Includes basic engine, fuel and ignition					
(DRY)	systems but excludes propeller (-6 and -20 and PT6A-114A models only)				To all	
	governor and ignition power source, kg (lb).	162.83 (359)	157.39 (347)	163.29 (360)	151.50 (334)	(416.7)

		PT6A-114	PT6A-135	PT6A-114A	PT6A-35	PT6A-140	
CENTER OF GRAVITY	Forward of mount plane, cm (in.)	9.85 (3.88)	9.82 (3.87)	9.85 (3.88)	9.82 (3.87)	10.84 (4.27)	
(DRY WEIGHT)	Below engine centerline, cm (in.)	0.96 (0.38)	0.63 (0.25)	0.66 (0.26)	0.63 (0.25)	1.19 (0.47)	
	Right of engine centerline, cm (in.)	0.66 (0.26)	0.88 (0.35)	0.96 (0.38)	0.88 (0.35)	0.91 (0.36)	
AIR BLEED		See Note 5					
PROPELLER OVERSPEED	Maximum, rpm (%)	2 090 (110)					
	100% rpm	1 900				_	
GAS GENERATOR OVERSPEED	10 seconds maximum, rpm (subject to temperature and other limits)	38 100				40 000 (20 seconds maximum)	
OUTPUT TORQUE	Maximum steady state, Nm (lb.ft)	2 685 (1 980)	2 820 (2 080)	2 685 (1 980)	2 670 (1970)	3 390 (2 500)	
	Transient acceleration, Nm (lb.ft)	2 983 (2 200)	3 254 (2 400)	2 685 (1 980)	2 847 (2100)	3 557 (2 625)	
OUTPUT SHAFT	Туре	Flanged			三人生 年上		
ength and the separate and the	No. of bolt holes	8	4年10年			12 July 2017	
	Dia. of bolts holes, cm (in.)	1.508±0.012					
	BC, cm (in.) (See P&WC Installation Drawing)	(0.594±0.005) 10.79 (4.25)		-			

III - MODELS

TYPE

RATINGS	Maximum continuous at sea level	PT6A-42	PT6A-42A
	Equivalent shaft horsepower, kW( hp)	673.36 (903)	10 T
	Shaft horsepower, kW( hp)	633.84 (850)	CASE LANG.
	Jet thrust, N (lb)	596.06 (134)	
	Output, rpm	2 000	46.6
	Gas generator, rpm	38 100	

Takeoff (5 min. at sea level) PT6A-42 PT6A-42A Equivalent shaft horsepower, kW (hp) 673.38 (903) - Shaft horsepower, kW (hp) 586.05 (134) - Output, rpm 2 000 - Gas generator, rpm 38 100 -  MAXIMUM REVERSE Shaft, kW(hp) 597.17 (800) - Output, rpm (maximum) 1 900 -  REDUCTION GEAR RATIO  FUEL TYPE Fuels conforming to the current P&WC specifications CPW 204 and CPW 46, and later revisions. Refer to the Installation Manual for further details.  OIL, LUBRICATION Specifications Specifications Specifications CPW 204 and CPW 46, and later revisions. Refer to the Installation Manual for further details.  PRESURE LIMITS See Note 7 Oli tank capacity, liters (gal.) 9.46 (2.5) 5.5881.5) -  TEMPERATURE LIMITS  PRINCIPAL DIMENSIONS Length, cm (in.) Maximum radius, cm (in.) 46.45 (18.29) - Maximum radius, cm (in.) Maximum radius, cm (in.) (excluding exhaust ports)  WEIGHT (DRY)  Includes basic engine, fuel and ignition systems but excludes propeller (-6 and -20 models only) governor and ignition power source, kg (lb).  182.79 (403) -				1. 이 경우 이 경우 (1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
Shaft horsepower, kW(hp)	RATINGS (Cont.)	Takeoff (5 min. at sea level)	PT6A-42	PT6A-42A
Shaft horsepower, kW(hp)		Equivalent shaft horsepower, kW (hp)	673.36 (903)	시간 비로 보고 있다는 그것은 그리는 얼마를 받는 것이 없다.
Jet thrust, kg(lb) 596.06 (134) Output, rpm 2 000 Gas generator, rpm 38 100  MAXIMUM REVERSE Shaft, kW(hp) 597.17 (800) Output, rpm (maximum) 1 900  REDUCTION GEAR RATIO 0.0663:1  FUEL TYPE Fuels conforming to the current P&WC specifications CPW 204 and CPW 46, and later revisions. Refer to the Installation Manual for further details.  OIL, LUBRICATION Specifications OBJECT S	有心态 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)			
Output, rpm Gas generator, rpm Gas generator, rpm Gas generator, rpm Gas generator, rpm Septimizer (Shaft, kW(hp) Output, rpm (maximum) Septimizer (Shaft, kW(hp) Output, rpm (maximum) Septimizer (Shaft) FUEL TYPE Fuels conforming to the current P&WC specifications CPW 204 and CPW 46, and later revisions. Refer to the Installation Manual for further details.  OIL, LUBRICATION Specifications Oil tank capacity, liters (gal.) Usable oil tank capacity, liters (gal.) Usable oil tank capacity, liters (gal.) See Note 7 9.46 (2.5) - TEMPERATURE LIMITS See Note 1  PRESSURE LIMITS See Note 2  PRINCIPAL DIMENSIONS Length, cm (in.) Nominal diameter, cm (in.) Maximum radius, cm (in.) Maximum radius, cm (in.) (excluding exhaust ports)  WEIGHT (DRY) Includes basic engine, fuel and ignition systems but excludes propeller (-6 and -20 models only) governor and ignition		이 없는 사람들은 그 사람들이 가장이 되었다면 하는 것이 되었다. 그 사람들이 가장 그리고 있다면 하는 것이 없는 것이 없는 것이 없는 것이 없다면 없었다.		
MAXIMUM REVERSE Shaft, kW(hp) Output, rpm (maximum) 1 900  REDUCTION GEAR RATIO  FUEL TYPE Fuels conforming to the current P&WC specifications CPW 204 and CPW 46, and later revisions. Refer to the Installation Manual for further details.  OIL, LUBRICATION Specifications Oil tank capacity, liters (gal.) Usable oil tank capacity, liters (gal.) Usable oil tank capacity, liters (gal.) See Note 7 9.46 (2.5) 15.68(1.5)  TEMPERATURE LIMITS See Note 1  PRESSURE LIMITS See Note 2  PRINCIPAL DIMENSIONS Length, cm (in.) Nominal diameter, cm (in.) Maximum radius, cm (in.) (excluding exhaust ports) Includes basic engine, fuel and ignition Journal of the current P&WC specifications CPW 204 and CPW 46, and later revisions. Refer to the later revisions.				
REDUCTION GEAR RATIO  REDUCTION GEAR RATIO  O.0663:1  FUEL TYPE  Fuels conforming to the current P&WC specifications CPW 204 and CPW 46, and later revisions. Refer to the Installation Manual for further details.  OIL, LUBRICATION  Specifications Oil tank capacity, liters (gal.) Usable oil tank capacity, liters (gal.)  See Note 7  9.46 (2.5) Usable oil tank capacity, liters (gal.)  See Note 1  PRESSURE LIMITS  See Note 2  PRINCIPAL DIMENSIONS  Length, cm (in.) Nominal diameter, cm (in.) Maximum radius, cm (in.) Maximum radius, cm (in.) (excluding exhaust ports)  WEIGHT (DRY)  Includes basic engine, fuel and ignition systems but excludes propeller (-6 and -20 models only) governor and ignition			38 100	
REDUCTION GEAR RATIO  REDUCTION GEAR RATIO  O.0663:1  FUEL TYPE  Fuels conforming to the current P&WC specifications CPW 204 and CPW 46, and later revisions. Refer to the Installation Manual for further details.  OIL, LUBRICATION  Specifications Oil tank capacity, liters (gal.) Usable oil tank capacity, liters (gal.)  See Note 7  9.46 (2.5) Usable oil tank capacity, liters (gal.)  See Note 1  PRESSURE LIMITS  See Note 2  PRINCIPAL DIMENSIONS  Length, cm (in.) Nominal diameter, cm (in.) Maximum radius, cm (in.) Maximum radius, cm (in.) (excluding exhaust ports)  WEIGHT (DRY)  Includes basic engine, fuel and ignition systems but excludes propeller (-6 and -20 models only) governor and ignition	MAXIMUM REVERSE	Shaft, kW(hp)	597.17 (800)	
FUEL TYPE  Fuels conforming to the current P&WC specifications CPW 204 and CPW 46, and later revisions. Refer to the Installation Manual for further details.  OIL, LUBRICATION  Specifications  See Note 7  Oil tank capacity, liters (gal.)  Usable oil tank capacity, liters (gal.)  See Note 1  PRESSURE LIMITS  See Note 2  PRINCIPAL DIMENSIONS  Length, cm (in.)  Nominal diameter, cm (in.)  Maximum radius, cm (in.)  Maximum radius, cm (in.)  (excluding exhaust ports)  WEIGHT  (DRY)  Includes basic engine, fuel and ignition systems but excludes propeller (-6 and -20 models only) governor and ignition		요즘 이 선생님 아이는 아이는 아이는 것이 없는 것이 없었다. 그렇게 하는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없다.		
Installation Manual for further details.  OIL, LUBRICATION  Specifications Oil tank capacity, liters (gal.) Oil tank capacity, liters (gal.) Usable oil tank capacity, liters (gal.)  TEMPERATURE LIMITS  See Note 1  PRESSURE LIMITS  See Note 2  PRINCIPAL DIMENSIONS Length, cm (in.) Nominal diameter, cm (in.) Maximum radius, cm (in.) (excluding exhaust ports)  WEIGHT (DRY)  Includes basic engine, fuel and ignition systems but excludes propeller (-6 and -20 models only) governor and ignition	REDUCTION GEAR RATIO		0.0663:1	
Oil tank capacity, liters (gal.) Usable oil tank capacity, liters (gal.)  TEMPERATURE LIMITS  See Note 1  PRESSURE LIMITS  See Note 2  PRINCIPAL DIMENSIONS  Length, cm (in.) Nominal diameter, cm (in.) Maximum radius, cm (in.) (excluding exhaust ports)  WEIGHT (DRY)  Includes basic engine, fuel and ignition systems but excludes propeller (-6 and -20 models only) governor and ignition	FUEL TYPE		specifications C	PW 204 and CPW 46, and later revisions. Refer to the
Usable oil tank capacity, liters (gal.) 5.68(1.5)  TEMPERATURE LIMITS See Note 1  PRESSURE LIMITS See Note 2  PRINCIPAL DIMENSIONS Length, cm (in.) 168.83 (66.47) Nominal diameter, cm (in.) 46.45 (18.29) Maximum radius, cm (in.) 32.61 (12.84) (excluding exhaust ports)  WEIGHT Includes basic engine, fuel and ignition systems but excludes propeller (-6 and -20 models only) governor and ignition	OIL, LUBRICATION	Specifications	See Note 7	
TEMPERATURE LIMITS  See Note 1   PRESSURE LIMITS  See Note 2   PRINCIPAL DIMENSIONS  Length, cm (in.) Nominal diameter, cm (in.) Maximum radius, cm (in.) (excluding exhaust ports)  WEIGHT (DRY)  Includes basic engine, fuel and ignition systems but excludes propeller (-6 and -20 models only) governor and ignition		Oil tank capacity, liters (gal.)	9.46 (2.5)	그는 그 경기를 가는 가는 것은 사람이 되었다.
PRINCIPAL DIMENSIONS  Length, cm (in.) Nominal diameter, cm (in.) Maximum radius, cm (in.) (excluding exhaust ports)  Length, cm (in.) Nominal diameter, cm (in.) Maximum radius, cm (in.) (excluding exhaust ports)  WEIGHT (DRY)  Includes basic engine, fuel and ignition systems but excludes propeller (-6 and -20 models only) governor and ignition		Usable oil tank capacity, liters (gal.)	5.68(1.5)	
PRINCIPAL DIMENSIONS  Length, cm (in.)  Nominal diameter, cm (in.)  Maximum radius, cm (in.)  (excluding exhaust ports)  WEIGHT  (DRY)  Length, cm (in.)  46.83 (66.47)   32.61 (12.84)   Includes basic engine, fuel and ignition systems but excludes propeller (-6 and -20 models only) governor and ignition	TEMPERATURE LIMITS		See Note 1	
Nominal diameter, cm (in.) 46.45 (18.29) Maximum radius, cm (in.) 32.61 (12.84)  (excluding exhaust ports)  WEIGHT Includes basic engine, fuel and ignition systems but excludes propeller (-6 and -20 models only) governor and ignition	PRESSURE LIMITS		See Note 2	
Nominal diameter, cm (in.) 46.45 (18.29) Maximum radius, cm (in.) 32.61 (12.84)  (excluding exhaust ports)  WEIGHT Includes basic engine, fuel and ignition systems but excludes propeller (-6 and -20 models only) governor and ignition	PRINCIPAL DIMENSIONS	Length, cm (in.)	168.83 (66.47)	
Maximum radius, cm (in.) 32.61 (12.84) (excluding exhaust ports)  WEIGHT Includes basic engine, fuel and ignition systems but excludes propeller (-6 and -20 models only) governor and ignition				
(DRY) systems but excludes propeller (-6 and —20 models only) governor and ignition		Maximum radius, cm (in.)		
		systems but excludes propeller (-6 and		
	1-27 Det 1		182.79 (403)	

CENTER OF GRAVITY		PT6A-42	PT6A-42A			
(DRY WEIGHT)	Forward of mount plane, cm (in.)	6.32 (2.49)		44		
	Below engine centerline, cm (in.)	0.81 (0.32)				
	Right of engine centerline, cm (in.)	0.48 (0.19)				
AIR BLEED		See Note 5			177	
PROPELLER OVERSPEED	Maximum, rpm (%)	2 200 (110)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		大人就等	
of the party of the second	100% rpm	2 000	-			
GAS GENERATOR OVERSPEED	10 seconds maximum, rpm (subject to temperature and other limits)	39 000				
OUTPUT TORQUE	Maximum steady state, Nm (lb.ft)	3 023 (2 230)				7-12-7
	Transient acceleration, Nm (lb.ft)	3 660 (2 750)				
OUTPUT SHAFT	Type	Flanged				
STATE OF BUILDING	No. of bolt holes	8			THE WORLD	
	Dia. of bolts holes, cm (in.)	1.508±0.012	5-6-22			
<b>以外,不是一种,不是一种</b>	<b>文文 在原数数据的代表。因为张兴大</b>	(0.594±0.005)				72 72
	BC, cm (in.) (See P&WC Installation Drawing)	10.79 (4.25)				
IV - MODELS	PT6A-60A; -65B; -60AG; -65AG, -52.					
TYPE	Free turbine turbo-prop / 3 axial plus on stage gas generator turbine/ two stage p		age compressor	r; single annular	combustion cha	mber, single-
RATINGS	Maximum continuous at sea level	PT6A-60A	PT6A-65B	PT6A-60AG	PT6A-65AG	PT6A-52
	Equivalent shaft horsepower, kW (hp)	829.96	931.37	806.10	967.91	670 (898)
	Shaft, kW (hp)	(1 113) 782.98 (1 050)	(1 249) 874.70 (1 173)	(1 081) 760.61 (1 020)	(1 298) 909.75 (1 220)	634 (850)
	Jet thrust, N (lb)	698.37 (157)	840.71 (189)	685.02 (154)	862.95 (194)	

RATINGS (Cont.)		PT6A-60A	PT6A-65B	PT6A-60AG	PT6A-65AG	PT6A-52
Watings (ogna)	Output rom	1 700	1 10A-03B	riancona	rionana	
	Output, rpm Gas generator, rpm	39 000				2 000
		39 000			Table 1	And Marie
<b>我们们是要要求的关系。</b>	Takeoff (5 min. at sea level)					0.00
	Equivalent shaft horsepower, kW (hp)	829.96 (1 113)	931.37 (1 249)	829.96 (1 113)	1 029.81 (1 381)	670 (898)
	Shaft horsepower, kW (hp)	782.98 (1 050)	874.70 (1 173)	782.98 (1 050)	969.40 (1 300)	634 (850)
	Jet thrust, kg (lb)	698.37 (157)	840.71 (189)	698.37 (157)	898.54 (202)	534 (120)
	Output, rpm	1 700	TILLY DOLLAR SHE			2 000
	Gas generator, rpm	39 000			7 to <del>-</del>	
		PT6A-60A	PT6A-65B	PT6A-60AG	PT6A-65AG	PT6A-52
MAXIMUM REVERSE	Shaft, kW (hp)	4 003.39 (900)			-	597 (800)
	Output, rpm (maximum)	1 650	7 . <del></del>		-1.4	1 900
REDUCTION GEAR RATIO		0.0568:1		- X		0.0663:1
FUEL TYPE	Fuels conforming to the current P&W engines CPW381 also. Refer to the Inst				later revisions.	For PT6-AG.
OIL, LUBRICATION	Specifications	See Note 7				
	Oil tank capacity, liters (gal.) Usable oil tank capacity, liters (gal.)	9.46 (2.5) 5.67 (1.5)	8.70 (2.3)	9.46 (2.5)	8.70 (2.3)	9.46 (2.5)
TEMPERATURE LIMITS		See Note 1				
PRESSURE LIMITS		See Note 2			- 1	
PRINCIPAL DIMENSIONS	Length, cm (in.)	183.10 (72.09)	189.96 (74.79)	183.10 (72.09)	189.96 (74.79)	169.57 (66.76)
	Nominal diameter, cm (in.)	46.45 (18.29)	N 35-350		李马达-大方。	
	Maximum radius, cm (in.) (excluding exhaust ports)	32.61 (12.84)				

WEIGHT	with the said the said of	PT6A-60A	PT6A-65B	PT6A-60AG	PT6A-65AG	PT6A-52
(DRY)	Includes basic engine, fuel and ignition systems but excludes propeller (-6 and -20 models only) governor and ignition					
	power source, kg (lb).	215.45 (475)	218.17 (481)	215.45 (475)	220.44 (486)	203.66 (449)
CENTER OF GRAVITY	Forward of mount plane, cm (in.)	13.25 (5.22)	9.52 (3.75)	9.52 (5.22)	_	6.37 (2.51)
(DRY WEIGHT)	Below engine centerline, cm (in.)	0.76 (0.30)	0.73 (0.29)	0.762 (0.30)		0.66 (0.26)
Variable St. 201	Right of engine centerline, cm (in.)	0.71 (0.28)	0.43 (0.17)	0.71 (0.28)		0.83 (0.33)
AIR BLEED		See Note 5			-42	
PROPELLER OVERSPEED	Maximum, rpm (%)	1 870 (110)		PPER S		2 205 (110)
	100% rpm	1700		36		1985
GAS GENERATOR OVERSPEED	10 seconds maximum, rpm (subject to temperature and other limits)	39 000				la <u> </u>
OUTPUT TORQUE	Maximum steady state, Nm (lb.ft) Transient acceleration, Nm (lb.ft)	4 915 (3 625) 6 915 (5 100)		- 10 m	5 446 (4 017)	3 023 (2 230) 3 660 (2 750)
OUTPUT SHAFT	Type	Flanged				
COTFOT SHALL	No. of bolt holes	8			494 87 Yell	P. T. Z. York
	Dia. of bolts holes, cm (in.)	1.508±0.012				
人名英格兰			a a la			
	BC, cm (in.) (See P&WC Installation Drawing)	(0.594±0.005) 10.79 (4.25)			<del></del>	

V - MODELS

PT6A-61

TYPE

Free turbine turbo-prop / 3 axial plus one centrifugal stage compressor; single annular combustion chamber, single-

stage gas generator turbine/ two stage power turbine.

RATINGS	Maximum continuous at sea level	PT6A-61
	Equivalent shaft horsepower, kW (hp)	673 (902)
	Shaft, kW (hp)	634 (850)
	Jet thrust, N (lb)	587 (132)
	Output, rpm	2 000
	Gas generator, rpm	39 000
	Takeoff (5 min. at sea level)	
	Equivalent shaft horsepower, kW (hp)	673 (902)
<b>另一位是一个大型的</b>	Shaft horsepower, kW (hp)	634 (850)
	Jet thrust, kg (lb)	587 (132)
	Output, rpm	2 000
	Gas generator, rpm	39 000
		PT6A-61
MAXIMUM REVERSE	Shaft, kW (hp)	597 (800)
	Output, rpm (maximum)	1 900
REDUCTION GEAR RATIO		0.0663:1
FUEL TYPE	Fuels conforming to the current P&WC engines CPW381 also. Refer to the Install	specifications CPW 204 and CPW 46, and later revisions. For PT6-AG ation Manual for further details.
OIL, LUBRICATION	Specifications	See Note 7
Chief was been and	Oil tank capacity, liters (gal.)	9.46 (2.5)
The Forty	Usable oil tank capacity, liters (gal.)	5.67 (1.5)
TEMPERATURE LIMITS		See Note 1
PRESSURE LIMITS		See Note 2
PRINCIPAL DIMENSIONS	Length, cm (in.)	169.57 (66.76)
	Nominal diameter, cm (in.)	46.45 (18.29)
하고 되었다면 되면 하는데 되는데 살았다.	recitificat diameter, off (iii.)	

WEIGHT		PT6A-61	S AV HV		200777 200778	A CONTRACTOR
(DRY)	Includes basic engine, fuel and ignition systems but excludes propeller (-6 and -20 models only) governor and ignition	201 (442)				
	power source, kg (lb).	201 (443)				
CENTER OF GRAVITY (DRY WEIGHT)	Forward of mount plane, cm (in.) Below engine centerline, cm (in.) Right of engine centerline, cm (in.)	6.68 (2.63) 0.76 (0.30) 0.73 (0.29)				1000
AIR BLEED		See Note 5				
PROPELLER OVERSPEED	Maximum, rpm (%) 100% rpm	2 205 (110) 1 870	4 1 A			
GAS GENERATOR OVERSPEED	10 seconds maximum, rpm (subject to temperature and other limits)	39 000				, C.
OUTPUT TORQUE	Maximum steady state, Nm (lb.ft) Transient acceleration, Nm (lb.ft)	3 023 (2 230) 3 660 (2 750)				
OUTPUT SHAFT	Type No. of bolt holes Dia. of bolts holes, cm (in.)	Flanged 8 1,508±0.012				
	BC, cm (in.) (See P&WC Installation Drawing)	(0.594±0.005) 10.79 (4.25)				
VI - MODELS	PT6A-11AG; -15AG; -34AG.	, -, -, -, -, -, -, -, -, -, -, -, -, -				
TYPE	Free turbine turbo-prop / 3 axial plus or stage gas generator turbine/ single-stage		compressor; sin	igle annular co	mbustion chamb	per, single-

RATINGS	Maximum continuous at sea level	PT6A-11AG	PT6A-15AG	PT6A-34AG		
	Equivalent shaft horsepower, kW (hp)	432.50 (580)	533.17 (715)	583.88 (783)	The second	1
	Shaft horsepower, kW (hp)	410.13 (550)	507.07 (680)	559.27 (750)		
	Jet thrust, N (lb)	333.61 (75)	400.33 (90)	364.75 (82)		
et a set to be a set to be a	Output, rpm	2 200				
	Gas generator, rpm	38 100				
	Takeoff (5 min. at sea level)		TO EAT			
	Equivalent shaft horsepower, kW (hp)	559.27 (580)	533.17 (715)	583.88 (783)		
	Shaft horsepower, kW (hp)	410.13 (550)	507.07 (680)	559.27 (750)		
	Jet thrust, N (lb)	333.61 (75)	400.33 (90)	364.75 (82)		
	Output, rpm	2 200				
	Gas generator, rpm	38 100		·		
MAXIMUM REVERSE	Shaft, kW (hp)	354.20 (475)	462.33 (620)	559.27 (750)		
	Output, rpm (maximum)	2 100				
REDUCTION GEAR RATIO		0.0668:1	0.0663:1			419
					nd later revisions	s. Re
FUEL TYPE	Fuels conforming to the current P&WC s the Installation Manual for further details.		PW 204, CPW 4	16 and CPW381, a	A THE WAY	
			PW 204, CPW 4	16 and CPW381, a		
	the Installation Manual for further details		PW 204, CPW 4  	16 and CPW381, a  		
	the Installation Manual for further details.  Specifications	See Note 7	  	   		
OIL, LUBRICATION	the Installation Manual for further details.  Specifications Oil tank capacity, liters (gal.)	See Note 7 8.7 (2.3)	  	   		
OIL, LUBRICATION TEMPERATURE LIMITS	the Installation Manual for further details.  Specifications Oil tank capacity, liters (gal.)	See Note 7 8.7 (2.3) 5.6 (1.5)	  	   		
OIL, LUBRICATION TEMPERATURE LIMITS PRESSURE LIMITS	the Installation Manual for further details.  Specifications Oil tank capacity, liters (gal.) Usable oil tank capacity, liters (gal.)	See Note 7 8.7 (2.3) 5.6 (1.5) See Note 1 See Note 2	   	   		
FUEL TYPE  OIL, LUBRICATION  TEMPERATURE LIMITS  PRESSURE LIMITS  PRINCIPAL DIMENSIONS	the Installation Manual for further details.  Specifications Oil tank capacity, liters (gal.) Usable oil tank capacity, liters (gal.)  Length, cm (in.)	See Note 7 8.7 (2.3) 5.6 (1.5) See Note 1	   	   		
OIL, LUBRICATION TEMPERATURE LIMITS PRESSURE LIMITS	the Installation Manual for further details.  Specifications Oil tank capacity, liters (gal.) Usable oil tank capacity, liters (gal.)	See Note 7 8.7 (2.3) 5.6 (1.5) See Note 1 See Note 2	   	   		

WEIGHT		PT6A-11AG	PT6A-15AG	PT6A-34AG			
(DRY)	Includes basic engine, fuel and ignition systems but excludes propeller (-6 and -20 models only) governor and ignition power source, kg (lb).	143.78 (317)	142.88 (315)	144.24 (318)			
CENTER OF GRAVITY	Forward of mount plane, cm (in.)	7.72 (3.04)					
(DRY WEIGHT)	Below engine centerline, cm (in.)	0.81 (0.32)					
(BICT WEIGHT)	Right of engine centerline, cm (in.)	0.50 (0.20)					
AIR BLEED		See Note 5			Title Start		
PROPELLER OVERSPEED	Maximum, rpm (%) 100% rpm	2 425 (110) 2 200					
GAS GENERATOR OVERSPEED	10 seconds maximum, rpm (subject to temperature and other limits)	38 500	- 'P				
OUTPUT TORQUE	Maximum steady state, Nm (lb.ft) Transient acceleration, Nm (lb.ft)	1 619 (1 194) 2 034 (1 500)	2 207 (1 628) 2 847 (2 100)	2 671 (1 970)			
OUTPUT SHAFT	Type	Flanged		136217063			
	No. of bolt holes	8	of the Interest.				124
	Dia. of bolts holes, cm (in.)	1.508±0.012	40000000				
	BC, cm (in.) (See P&WC Installation Drawing)	(0.594±0.005) 10.79 (4.25)	-	_			
IMPORT REQUIREMENTS	Each engine imported separately and/ issued by Transport Canada (or a thir attesting that the particular engine and and are in conformity with the ANAC app	d country author or parts were s	ority, in case o ubmitted to the	f used engine im	ported from	such cou	untry)

#### **CERTIFICATION BASIS**

RBAC 33 (Brazilian Requirements for Civil Aviation), which endorses the 14 CFR Part 33, effective 01 February 1965, including amendments 33-1 through 33-4 inclusive for engine models PT6A-27, -28, -34; -15AG and -34AG; amendments 33-1 through 33-5 inclusive for engine models PT6A-42, -42A, -112, -114, -114A, -135, -60A, -65B, -11AG, -60AG, -65AG, -52, -61 and -35.

Model	Application	Issued TC
PT6A-34	15 June 1979	10 July 1980
PT6A-27	26 July 1979	10 July 1980
PT6A-28	26 July 1979	10 July 1980
PT6A-42	26 July 1979	29 December 1982
PT6A-135	15 September 1981	29 December 1982
PT6A-114	11 May 1987	09 July 1987
PT6A-60A	02 November 1987	27 December 1990
PT6A-112	19 November 1986	03 September 1991
PT6A-65B	07 April 1994	20 August 1994
PT6A-11AG	14 October 1997	24 May 1999
PT6A-15AG	14 October 1997	24 May 1999
PT6A-34AG	14 October 1997	24 May 1999
PT6A-60AG	14 October 1997	24 May 1999
PT6A-65AG	14 October 1997	24 May 1999
PT6A-114A	05 May 1991	06 May 2003
PT6A-42A	08 June 2006	30 November 2006
PT6A-52	21 September 2007	11 February 2008
PT6A-61	14 March 2008 ·	10 December 2008
PT6A-35	08 July 2010	08 October 2010
PT6A-140	25 January 2013	31 July 2013

### NOTES:

## NOTE 1 Maximum Permissible Temperatures, °C (°F)

a) Interturbine temp. (ITT)	PT6A-27	PT6A-28	PT6A-34	PT6A-42/-42A	PT6A-112	PT6A-114	PT6A-135/-35	PT6A-114A
Takeoff Max. continuous	725 (1 337) 725 (1 337)	750 (1 382) 750 (1 382)	790 (1 454) 790 (1 454)	800 (1 472) (-42) 800 (1 472) (-42) 770 (1 418)	725 (1 337) 725 (1 337)	805 (1 481) 805 (1 481)		805 (1 481) 805 (1 481)
Starting (5 sec.)	1 090 (1 994)	-	4.9.4	(-42A) 770 (1 418) 1 000 (1 832)	1 090 (1 994)		San	
Air inlet temperature (AIT) for rated power:								
Takeoff	22 (71)	21 (70)	30 (86)	41 (106)	56 (133)	57.8 (136)	29.5 (85) (-35) 33.9 (93)	46.1 (115)
Max. continuous	22 (71)	21 (70)	30 (86)	41 (106)	56 (133)	57.8 (136)	29.5 (85) (-35) 33.9 (93)	46.1 (115)

	LEX LIBERTY						54.34	The second		
NOTE 1	a) Interturbine temp. (ITT)	PT6A-60A	PT6A-65B	PT6A-65AG	PT6A-60AG	PT6A-11AG	PT6A-15AG	PT6A-34AG	PT6A-52	
(Cont.)	Takeoff Max. continuous Starting (5 sec.)	820 (1 508) 820 (1 508) 1 000 (1 832)	810 (1 490) 820 (1 509) 1 000 (1 832)	820 (1 508)  	775 (1 427)  	700 (1292) 700 (1292) 1090 (1994)	725 (1 337) 725 (1 337) 	790 (1 454) 790 (1 454) 	820 (1 508) 820 (1 508) 1000 (1832)	
	Air inlet temperature						P. P. C.			
	(AIT) for rated power Takeoff Max. continuous	25 (77) 25 (77)	38 (101) 38 (101)	22 (71)	17 (63) 26 (79)	32 (90) 32 (90)	22 (71) 22 (71)	30 (86) 30 (86)	61 (142) 61 (142)	
1	a) Interturbine temp. (ITT)	PT6A-61	PT6A-140				15 5 CM		17 10	
	Takeoff Max. continuous Starting (5 sec.)	800 (1 472) 800 (1 472) 1000(1832)	850 (1562) 825 (1517) 1090 (1994)							
	Air inlet temperature (AIT) for rated power									
	Takeoff Max. continuous	46.1 (115) 46.1 (115)	38.8 (102) 26.7 (80)					etera.		
	b) Fuel temperature (all m	odels) , °C (°F)					P -5		*	

Maximum fuel pump inlet: 57 (135) Minimum fuel pump inlet: -54 (-65)

c) Oil temperature limits, °C (°F)

Models:PT6A-27, -28, -34, -112, -114, -114A, -135, -11AG, -15AG, -34AG, -35, -140

Minimum:

-40 (-40)

Maximum continuous: 99 (210)

Maximum (10 min.): 104 (220)

Models:PT6A-42, -42A

Minimum: -40 (-40)

Maximum continuous: 104 (220)

Maximum (10 min.): 104 (220)

Models:PT6A-60A, -65B, -60AG, -65AG, -52, -61

Minimum: -40 (-40) Maximum continuous: 110 (230) Maximum (10 min.): 110 (230) PRATT & WHITNEY CANADA

#### NOTE 2 Pressure Limits:

a) Fuel pressure

Minimum pressure at inlet to the engine fuel system shall not be less than 5 psi above true vapor pressure of the fuel. For emergency operation, with airframe boost pump inoperative, it must be such that vapor liquid ratio does not exceed 0.1 for continuous operation and does not exceed 0.3 for more than 10 hours in a pump overhaul life. For PT6A-140, refer to the Installation Manual.

b) Oil pressure, psig:

Oil operating range:

Model: PT6A-27, -28, -112, -11AG, -15AG, with an oil temperature of 60 °C - 70 °C (140 °F - 158 °F)

Gas generator speed at or above 27 000 rpm: 80 to 100 Gas generator speed below 27 000 rpm: 40 (minimum)

Model: PT6A-34, -34AG, -114, -114A, -135, -35, -140, with an oil temperature of 60 °C - 70 °C (140 °F - 158 °F)

Gas generator speed at or above 27 000 rpm: 85 to 105
Gas generator speed below 27 000 rpm: 40 (minimum)

Model: PT6A-42, -42A, with an oil temperature of  $60 \,^{\circ}\text{C} - 71 \,^{\circ}\text{C}$  (140  $^{\circ}\text{F} - 160 \,^{\circ}\text{F}$ )

Gas generator speed at or above 27 000 rpm: 90 to 135
Gas generator speed below 27 000 rpm: 60 (minimum)

Model: PT6A-60A, -65B, -60AG, 65AG, -52, -61, with an oil temperature of 60 °C - 71 °C (140 °F - 160 °F)

Gas generator speed at or above 27 000 rpm: 90 to 135
Gas generator speed below 27 000 rpm: 60 (minimum)

NOTE 3 The engine ratings are based on static sea level condition 29.92 in Hg pressure, compressor intake screen installed, no external accessory loads and no air bleed. These ratings are available up to the following compressor inlet air (dry) temperatures.

Max. continuous, °C(°F) Takeoff, °C(°F)	PT6A-27,-15AG 21.6 (71) 21.6 (71)	PT6A-28 21.1 (70) 21.1 (70)	PT6A-34, 34AG 30.5 (87) 30.5 (87)	PT6A-42, -42A 41.1 (106) 41.1 (106)	PT6A-60A 25.0 (77) 25.0 (77)	PT6A-35 33.8 (93) 33.8 (93)
Max. continuous, °C(°F) Takeoff, °C(°F)	PT6A-65B 38.3 (101) 43.3 (110)	PT6A-112 56.1 (133) 56.1 (133)	PT6A-114 57.8 (136) 57.8 (136)	PT6A-114A 48.9 (115) 48.9 (115)	PT6A-11AG 42.2 (108) 42.2 (108)	PT6A-140 26.7 (80) 26.7 (80)
Max. continuous, °C(°F) Takeoff, °C(°F)	PT6A-135 29.5 (85) 29.5 (85)	PT6A-60AG 25.0 (77) 25.0 (77)	PT6A-65AG 38.3 (101) 26.6 (71)	PT6A-52 61.0 (142) 61.0 (142)	PT6A-61 48.9 (115) 48.9 (115)	

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NOTE 4 Accessory Drive Provisions all Models:

"是"是"的一点的是是不是一位来	Rotating	Speed Ratio	Maximum	Torque	Moment	Weight	
Drive	Facing Drive	(to Turbine)	Continuous	Static	Overhang	of Drive	
	Pad		* lb.in	lb.in	lb.in	kg (lb)	
Driven by Gas Generator Turbine			Yes and the				
Tachometer, accessory gearbox	- CC	0.112	7	100	10	#	
Starter and/or generator	C	0.293	170	1 600	150	#	
					250 (-42, -52, - 60A, -65B, -65AG, -61, -114, -114A, - <mark>140</mark> )		
Vacuum pump	CC	0.103	60	800	25	0.22 (0.5)	
Hydraulic pump <sup>(1)</sup>	CC	0.203	150	800	25	0.49 (1.1)	
Aircraft Accessory Drive <sup>(1)</sup>	C	0.321	135	800	25	0.68 (1.5)	
Driven by Power Turbine				313			
Propeller Governor and Overspeed Governor (*)	<b>C</b>	0.1264 (-15AG, -27, -28, -34, -34AG, -42, -42A, -52, -61)	50	850	25	#	
		0.1273 (-11AG,-112, -114, -114A, -135, -35)					
		0.1405 (-60A, -60AG, -65B, -65AG) 0.1286 (-140)				and a	

CC = Counterclockwise; C = Clockwise

The hydraulic pump drive requires the aircraft accessory drive to complete the train

<sup>(\*)</sup> May be an optional drive, which is not included in the basic engine weight, if available.

- NOTE 4 Cabin pressurization may be provided by the approved combination of the Beech Aircraft Corporation Gearbox No. 50-9903 with the Godfrey Engineering type 9 cabin supercharger, mounted directly on the accessories gearbox.
  - PT6A-42, -42A are approved for operation with an accessory mounted on the reduction gearbox and belt driven from the propeller assembly provided that the accessory is mounted and driven in accordance with the location dimensions and weight prescribed in Sheet 5 of Drawing Number 3018500, revision dated 20 August 1973.
- NOTE 5 External air bleed shall not exceed 5.25%. A maximum of 0.68 kg (1.5 lb) per minute may be bled during starting. Bleed air meets the requirements of Paragraph 3.18 of MIL-E-5007C.
- NOTE 6 Emergency use of MIL-G-5572, Grades 80/07, 91/98, 100/130 and 115/145 is permitted for a total time period not exceeding 150 hours during any overhaul period. It is not necessary to purge the unused fuel from the system when switching fuel type.
- NOTE 7 The following oils are eligible for these engines: PWC PT6 Engine Service Bulletin Nos. 1001, 1601, 3001, 4001, 12001 and 13001 list approved brand oils.
- NOTE 8 These engines meet ANAC requirements for operation in icing conditions when the intake system conforms with the PWC Installation Manual instruction for inertial separation of snow and icing particles; when the alternative approved alcohol system is used, flight in visible moisture is restricted as specified in the PWC Installation Manual. These engines also meet ANAC requirements for adequate disk integrity and rotor blade containment and do not require external armoring.
- NOTE 9 Fuel controls approved for each engine model are listed in the applicable Parts Catalog.
- NOTE 10 Certain engine parts are life limited. These limits are listed in P&WC Engine Service Bulletin Nos. 1002, 1302, 1402, 1602, 3002, 4002, 12002, 12102, 13002, and 13202 as revised. PT6A-140, refer to AWL Section of the Maintenance Manual P/N 3075742. Permissible overhaul and inspector intervals are listed in PWC Engine Service Bulletin Nos. 1003, 1303, 1403, 1603, 1703, 1803, 3003, 3303, 4003, 12003, 12103, 13003, 13203, 13303 and 1903 as revised.
- NOTE 11 Fuel anti-icing additives conforming to specifications 3GP526A, PFA 55MB, MIL-I-27686E may be used, at a concentration not exceeding 0.15% by volume.
- NOTE 12 For PT6A-34 power may be restored in hot day conditions by means of water or water/methanol injection when accomplished in accordance with the requirements of the P&WC Installation Manual.
- NOTE 13 Augmentation fluid, when used, must meet the requirements of P&WC Specification CPW No. 328.

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## NOTE 14 The above models incorporate the following characteristics:

Model	<u>Characteristics</u>
PT6A-11AG	Similar to PT6A-11, intended for agricultural aviation. Permissible rotor component lives, overhaul, inspection intervals and fuel requirements are listed in PWC Engine Service Bulletin Nos. 1302, 1303, and 1344 respectively.
PT6A-15AG	Similar to PT6A-27, Intended for agricultural aviation. Permissible rotor component lives, overhaul inspection intervals and fuel requirements are listed in PWC Engine Service Bulletin Nos. 1302, 1303, and 1344 respectively.
PT6A-27	Features higher ratings, revised engine parts and integrated propeller reversing control.
PT6A-28	Similar to PT6A-27 except for higher inter-turbine temperature limit.
PT6A-34	Similar to PT6A-27 except incorporates a compressor turbine similar to PT6T-3 for higher ratings.
PT6A-34AG	Similar to PT6A-34, intended for agricultural aviation. Permissible rotor component lives, overhaul, inspection intervals and fuel requirements are listed in P&WC Engine Service Bulletin Nos. 1302, 1303, and 1344 respectively.
PT6A-42	Similar to PT6A-41 except for increased cruise rating and increased inter-turbine temperature limits with improved compressor and reduced loss exhaust ducts.
PT6A-42A	Similar to PT6A-42 except for reduced Inter-turbine Temperature (ITT) for Maximum Continuous operation.
PT6A-112	Similar to PT6A-27 except incorporates PT6A-41 fuel system concepts and PT6A-135 reduction gearbox.
PT6A-114	Similar to PT6A-135 with a single port exhaust and PT6A-41 fuel system concepts and PT6A-135 reduction gearbox.
PT6A-114A	Throttle push version of –114 incorporating the –135A compressor, and a new strengthened propeller shaft.
PT6A-135	Similar to PT6A-36 except for new reduction gearbox and higher cruise rating.
PT6A-60A	Similar to PT6A-60, up rated altitude performance.
PT6A-60AG	Similar to PT6A-60, de-rated Max. Continuous for special applications (intended for Agricultural Aviation).
PT6A-65B	Similar to PT6A-45 except for additional axial compressor stage and increased diameter gas producer turbine wheel.
PT6A-65AG	Similar to PT6A-65, intended for Agricultural Aviation. Ratings similar to the 65AR without automatic reserve power.
PT6A-52	Similar to PT6A-42, with new first stage compressor gas producer turbine and PT6A-60A thermal rating.
PT6A-61	Similar to PT6A-60, except for PT6A-42 gearbox.
PT6A-35	Similar to PT6A-135, but incorporating the reduction gearbox of the PT6A-34.
PT6A-140	Similar to PT6A-114A with new RBG for increased mechanical power and improved turbo-machinery for increased thermodynamic power.

- NOTE 15 Service Bulletins, Structural Repair Manuals, Vendor Manuals, Aircraft Flight Manuals and Overhaul and Maintenance Manuals, which contain a statement that the document is Transport Canada approved, are accepted by the ANAC and are considered ANAC approved. These approvals pertain to the type design only.
- NOTE 16 The engine manufacturer has declared that the PT6A-140 model complies with the CAEP/6 emissions standards in ICAO's Annex 16, Volume II, Third Edition dated July 2008.

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NOTE 17 The PT6A-140 engine may be overhauled or maintened as two modules, the gas generator module and the power section module. The separation point is the "C" flange.

Gas generator module P/N 3076223 Power section module P/N 3076225

HÉLIO TARQUINIO JÚNIOR

Gerente-Geral de, Certificação de Produto Aeronáutico (General Manager, Aeronautical Product Certification)