SFC_{ssl}	=	0.595 $\frac{(lb/hr)}{shp}$	=	1.01 10^{-7} $\frac{(kg/s)}{W}$			
w	=	19.00 in	=	0.483 m			
H	=	19.00 in	=	0.483 m			
L	=	62.00 in	=	1.575 m			

Application: Australian AAC A10 Wamira Trainer
Bibliography: [Jawa1985]
Status: abandoned survey (never been produced)

PT6A-27

Manufacturer: Pratt Whitney Canada **Type:** AC-P
Composition: (1+FT) -/3+1C/An/1/-/1 **RPM:** 38100 / - / 33183 # 2200

$P_{ssl,eq}$	=	715 eshp	=	533 kW	T_{ssl}	=	90 lbf	=	400 N
P_{ssl}	=	680 shp	=	507 kW	M_{eng}	=	337 lb	=	153 kg
SFC_{ssl}	=	0.602 $\frac{(lb/hr)}{shp}$	=	1.02 10^{-7} $\frac{(kg/s)}{W}$	TET	=	725 °C	=	998.2 K
$\dot{w}_{ssl}$	=	6.80 lb/s	=	3.08 kg/s	OPR	=	6.7		
w	=	18.06 in	=	0.459 m	CG_x	=	3.04 in	=	0.077 m
H	=	18.06 in	=	0.459 m	CG_y	=	0.20 in	=	0.005 m
L	=	61.89 in	=	1.572 m	CG_z	=	0.32 in	=	0.008 m

Application: de Havilland DHC-6 Twin Otter 300/320, Turbo-Beaver, Hamilton Westwind II/III (Beech 18), Airliner A99, King Air A90/B90/C90/C90-1/E90/E100, LET L-410A/F Turbolet, Embraer Bandeirante EMB-110, EMB-312, CATIC/HAIG (Harbin) Y-12 II, Pilatus Turbo Porter PC-6/B2-H2, UV-18A/B, CC-138 Twin Otter, G-21G Turbo-Goose, Raytheon Beech 99/99A, U-21A/D, Frakes Aviation Goose Grumman Mallard Conversion, Saunders ST-27A, SAC Spectrum-One, Schafer Comanchero 500B/Neiva Carajá, IAI Arava, Piper Cheyenne II, Fairchild Helio Porter /Stalion, Air Tractor AT-402/-502, Turbo Thrush Commander, Commander S2R-T34, Swearingen Merlin IIA
Bibliography: [E2NE, E4EA, E-6, EM-8005-07,EM-8005-08, Jae21-28, Jawa1968-2010, Mei05], *http://www.pwc.ca/fr/moteurs/pt6a-27*

Certification:

NAA	TCDS	Date
FAA	E2NE, E4EA	20/12/1967
TCCA	E-6	15/11/1966
ANAC	EM-8005-07,EM-8005-08	10/07/1980

Remark: Based on PT6A-20 basic model with features higher ratings, revised engine parts and integrated propeller reversing control.
Status: in production
Note: FAA E4EA TCDS indicates a diameter of 18.286 in whereas FAA E2NE and ANAC TCDS indicate 18.06 in. FAA E4EA TCDS indicates a mass of 337 lb, E2NE TCDS indicates 300 lb, and ANAC TCDS indicates 315 lb = 142.88 kg.

PT6A-28

Manufacturer: Pratt Whitney Canada **Type:** AC-P
Composition: (1+FT) -/3+1C/An/1/-/1 **RPM:** 38100 / - / 33183 # 2200