

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

E-265  
Revision 9  
  
Westinghouse  
24C4D-1  
J34-WE-34  
J34-WE-36  
W-340  
  
August 8, 2012

TYPE CERTIFICATE DATA SHEET NO. E-265

Engines of models described herein conforming with this data sheet (which is a part of type certificate No. E-265) and other approved data on file with the Federal Aviation Administration meet the minimum standards for use in certificated aircraft in accordance with pertinent aircraft data sheets and applicable portions of the Civil Air Regulations provided they are installed, operated, and maintained as prescribed by the approved manufacturer's manuals and other approved instructions.

Type Certificate Holder Neptune Aviation Services, Inc.  
2 Corporate Way  
Missoula, Montana 59808

Type Certificate Holder Record Neptune, Inc.  
5225 Hwy 10 West, Box 17  
Missoula, MT 59802

Steward-Davis, Inc.  
3200 Cherry Avenue  
Long Beach, California

<u>Model</u>	<u>24C4D-1</u>	<u>J34-WE-34, -1, -2</u>	<u>W-340, -1, -2</u>
Type - Turbojet	Axial flow, eleven stage compressor; double annular combustion chamber, two stage turbine	- -	- -
Ratings			
Maximum continuous static thrust, lb., rpm, at sea level	2650 - 11800	- -	3000 - 12000
Takeoff static thrust (5 minutes), lb., rpm, at sea level	3250 - 12500	- -	3400 - 12500
Fuel control	Holley B5805	- -	Holley PB5805
Fuel	Aviation gasoline (MIL-F-5572)	Aviation gasoline (MIL-F-5572)	- -
Oil	(MIL-O-6801) grade 1010	JP-3 (MIL-F-5624)	- -
Principal dimensions			
Length overall, in.	120 (with exhaust nozzle)	- -	111.5 (less exhaust nozzle)
Height, in.	35.2	- -	- -
Weight (dry), lb. (with single lever control, all accessory drives, engine lubrication systems, but less generator, hydraulic pump and tachometer generator)	1233	1233	1184
C.G. location fwd of rear engine mount, in.	11	11	8
Ignition	Two igniter (P/N 62G488) and two ignition coils (P/N 23F856)	- -	Scintilla TLN-10 ignition and two igniters (P/N 64G876)

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NOTE 4. The following accessory drive provisions are available:

	Rotation*	Speed (Ratio to Turbine)	Cont. Torque (in.-lb.)	Static Torque (in.-lb.)	Maximum Overhang (in.-lb.)
Starter (W-340)	C	1.0	**	6000	300
Starter (24C4D & J-34-WE34)	C	1.0	470	5400	300
Generator (W-340)	C	.667	500	2200	400
Generator (24C4D & J-34-WE34)	C	.669	500	2200	400
Hydraulic pump (W-340)	CC	.264		2500	75
Hydraulic pump (All)	CC	.264	600	1650	75
Hydraulic pump (W-340)	CC	.667	35	600	75
Tachometer (24C4D & J34-WE34)	CC	.3364	7	50	
Tachometer (W-340)	CC	.3364	15	70	

\*C - Clockwise; CC - counter clockwise

\*\*1200 in.-lb. at 1500 rpm

NOTE 5. All models are equipped with Type E-2 electric starter at the additional weight of 41 lb.

NOTE 6. Models 24C4D and J34-WE-34 have no provisions for anti-icing the engine inlet and are not approved for use in icing conditions. Model W-340 is satisfactory for operation in icing conditions.

NOTE 7. These engines must be installed with suitable compressor section external armor to preclude possible secondary damage in the event of compressor blade failure.

NOTE 8. The use of 5% alcohol in fuel is approved for the J34-WE-34 engine.

NOTE 9. Military model J34-WE-34 engines produced by the Aviation Gas Turbine Division, Westinghouse Electric Corporation and built to Westinghouse Parts Lists 58J59-1, -2, -3, -4, -6, -9, -11, -14, and -17 are eligible. Engines built to Westinghouse Parts Lists 43J745-2 and -3 are eligible if modified to the 58J59-1 configuration by incorporating the engine bulletins listed in Table II, Section II of T.O. AN 02B-110ABA-3 dated 1 April 1957. All J34 models must have Engine Bulletins 124 and 129 incorporated.

NOTE 10. The J34-WE-34-1, J34-WE-36-1 and the W340-1 engines incorporate Steward-Davis accessory gear box drive shaft SDD-472. The -2 engines incorporate Steward-Davis accessory gear box drive shaft SDD-410A.

NOTE 11. These engines must comply with Steward-Davis, Inc. Service Bulletin No. 215 Revision "A" dated August 1, 1964, or later FAA approved revision, before eligible for installation on certificated aircraft.

NOTE 12. The model W-340 engine is defined by Westinghouse Drawing 103T850.

NOTE 13. Military model J34-WE-36 engines produced by the Aviation Gas Turbine Division, Westinghouse Electric Corporation and built to Westinghouse Parts List 58J300-24 are eligible with the same ratings and limitations which apply to the civil model W-340.

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