

FREEDMAN PY-2 PROPELLER T.C. 747

Type	Adjustable (See NOTE 3)
Blade shank	Freedman Aircraft No. 2
Engine shaft	Lycoming engine flange
Hub material	Aluminum alloy
Blade material	Mahogany and birch laminated and brass tipping (See NOTE 2)
Number of blades	Two
Hubs eligible	PY-203

Blades Eligible (See NOTE 2)	Maximum HP	Maximum RPM	Diameter Limits	Weight Complete (lb.)	NOTES
P-200-75 to P-200-72	80	2700	75"-72"	15	
P-200-72X	80	2700	72"	15	
P-201-72 to P-201-60	80	2650	72"-60"	14.5	9,10
P-202-70 to P-202-66	80	2650	70"-66"	14.5	
P-205-78 to P-205-70	80	2500	78"-70"	14.5	
P-206-72 to P-206-60	80	2650	72"-60"	15	6
P-206A-72 to P-206A-60	80	2650	72"-60"	15	6
P-216A-72 to P-216A-60	80	2650	72"-60"	15	6

Certification basis Type Certificate No. 747. (Expired December 31, 1947. No propellers of this model manufactured after that date eligible for use in certificated aircraft.)

- NOTE 1. Hub Model Designation. Not applicable.
- NOTE 2. Blade Model Designation. A dash and a number added to the blade model designation indicates the propeller diameter in inches. This number suffixed by the letter "T" indicates that the diameter has been obtained by telescoping the original blade model. Telescoped blades are eligible at the same rating and diameter limitations as cut-off blades.
Blades of the basic model designation are of laminated mahogany and birch construction. A letter suffix added to the model designation denotes a change in material as follows: C-walnut and birch; B-birch; M-maple; MB-maple and birch. (Example P-216C - laminated walnut and birch; P-216B - laminated birch.)
- NOTE 3. Pitch. Adjustable on the ground.
- NOTE 4. Feathering. Not applicable.
- NOTE 5. Left Hand Models. The left hand version of an approved model propeller is eligible at the same rating and diameter limitations as listed for the right hand model.
- NOTE 6. Interchangeable Blades. A listing is given of those blades which are sufficiently similar to be considered aerodynamically interchangeable in the same diameter without a flight test.
P-216A may replace P-206 or P-206A.
Provided that they are of the same balance category and of the same diameter, a model P-206 may be assembled in the same hub with a model P-206A, or P-216A blade, or a model P-206A may be assembled with a model P-216A blade.
- NOTE 7. Accessories. Not applicable.
- NOTE 8. Shank Fairings. Not applicable.
- NOTE 9. Special limits. The ratings listed are for propellers with blades manufactured prior to August 21, 1940. Propellers with blades manufactured after the above date and with serial numbers higher than the following are limited to 40 hp. and 2575 r.p.m.
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| <u>Blade Model</u> | <u>Serial Number</u> |
| P-201-70 | B-243 |
| P-201-72 | B-683 |
- NOTE 10. Rejected Parts. All blades retipped by other than the manufacturer rejected.