

HAMILTON STANDARD 3D PROPELLER T.C. 249

Type Hydraulically controllable - not feathering (see NOTES 3 and 4)  
 Blade shank D  
 Engine shaft SAE No. 40 or X (X indicates special shaft sizes for foreign engines are eligible.)  
 Hub material Aluminum alloy  
 Number of blades 3  
 Hubs eligible 3D40, 3DX, 50039, and 50305 (see NOTES 1, 9, and 10)

Blades Eligible (See NOTE 2)	Maximum Continuous		Takeoff		Propeller Diameter Limits	Weight Complete (Max. Diameter) (lb.)	NOTES
	HP	RPM	HP	RPM			
6095-0 to 6095-24 6092 is the left hand version of 6095	825	2100	909	2310	9'6-5/8" - 7'6-5/8" (-0 to -24)	238	5
6101-0 to 6101-24 6102 is the left hand version of 6101	850	2100	1000	2310	10'5/8" - 8'5/8" (-0 to -24)	248	5
6127-0 to 6127-21 6128 is the left hand version of 6127	850	2100	1000	2310	10'9-5/8" - 9'5/8" (-0 to -21)	269	5
6167-0 to 6167-24 6168 is the left hand version of 6167	825	2100	909	2310	9'6-5/8" - 7'6-5/8" (-0 to -24)	241	6
6237-0 to 6237-24 6238 is the left hand version of 6237	825	2100	909	2310	9'6-5/8" - 7'6-5/8" (-0 to -24)	241	6 5
6631-9 to 6631-24 6632 is the left hand version of 6631	550	1470	600	1500	10'9-5/8" - 9'6-5/8" (-9 to 24)	292	5

Certification basis: Type Certificate No. 249 (Expired 1/1/49. No propellers of this model manufactured after that date eligible for use on certificated aircraft.)

- NOTE 1. Hub Model Designation. A dash and a number added to the hub model designation indicates a minor change which does not affect the eligibility.
- NOTE 2. Blade Model Designation. A dash and a number (specifying inches) added to the blade model designation indicates that the propeller diameter is reduced from the design basic diameter specified by the number of inches indicated. This number suffixed with "T" indicates a reduction by Telescoping. Telescoped blades are eligible at the same rating and diameter limitations as cut-off blades.
- NOTE 3. Pitch Control. Eligible with Hamilton Standard manual control or constant speed governor only.
- 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. Only blades listed in the same group of the following listed groups are sufficiently similar aerodynamically and vibrationwise to permit interchangeability in the same diameter without a flight test. Blades with different model numbers, however, should not be incorporated in the same propeller, and reference should always be made to the ratings of the blades. Group (a) 6167 and 6237.
- NOTE 7. Accessories. Not applicable.
- NOTE 8. Shank Fairings. Not applicable.
- NOTE 9. Special Limits. The ratings listed are for the 3D Series hubs with dash numbers above 200 (as 3D40-201). These ratings must be reduced 25 hp, maximum continuous, and 100 hp, takeoff, for propellers using other hub models listed.