WOODCOMP

CZECH REPUBLIC

PROPELLER TYPE SR 200

ON THE GROUND ADJUSTABLE

Vodolská 4
250 70 Odolena Voda
Czech Republic
Tel.: 00420 -283971309
Fax: 00420 - 283970286
e-mail:info@woodcomp.cz
http://www.woodcomp.cz

Propeller protocol - CERTIFICATE Nr certification process on 17.05.1995 - ULL-03/95

Propeller type **SR 200** production number of blades:
…….
Production number of the propeller head and spinner:
…….
Propeller diameter: ……mm / inches
Max. RPM : …… RPM
Propeller is allowed to be used on engines having the power output within 19 - 80 kW
.
The producer does not recommend to use the propeller for engines without reducer – Installation with orther engines should be considered after consultation with propeller producer.
The own inertia moment: 1450 kg/cm
Designation: (TRACTOR / PUSHER)**……**
Drilling: the circumferential holes 6x diameter 8 mm on spacing 75 mm
Central hole diameter 25 mm – 47mm
Blade structure: basic material - ASH, BEECH,CARBON (YES / NO)
The basic supporting parts: thickness in mm, 8,8,8,8,8,8,
Gluing: glue Epoxy 1200, press temperature 45 grC,
pressure 0,3 MPa
Special treatment: leading edge protection carried out
Range of blades resetting: …….. degree
The shape accuracy. observance of airfoil shape: 0,3 mm axial symmetry: 0,3 mm
Surface treatment: POLYURETAN
Static balancing: maximum unbalance 0.5 g/600 mm
Repairs: Not permitted any interference into lifting surfaces
repairs are possible with producer only
Possibility of repairs: minor defects of varnish

Guarantee inspection: with producer premises after 50 hours of operation
Note: Observe the static balancing
Keep records about the number of hours of operation
It is forbidden to use the propeller for another power outputs, than it is stated in CERTIFICATE.
Tightening the duraluminium head (bolts 6xM6) is to be carried out by torque moment 10Nm , using the bolts and nuts supplied by producer.

Owner must complete the sheet Nr 2 of the guarantee certificate send to the producer!!!

Inspection - Date:.. ……

Producer - Date: …….

WARNING

Propeller SR200 is locked by 6 circumferential bolts M6 and by 6 (alternatively by 3) fixation bolts M8.

Tightening moments / Torque :
bolts M6.....10 Nm (7,4 ft / lb)
bolts M8.....22 Nm (16,2 ft / lb)

Before adjusting the angle of blade setting, it is necessary to loose the 6 circumferential bolts M6 and also the 6 (3) fixation bolts M8 by 1 ÷ 2 turns. After setting the new angle of blades,the bolts are to be tightened again by the moment specified .
The 9 bolts M4 fixating the aerodynamic spinner are to be tightened reasonable.

Inspections :
1) After 50 flight hours – guarantee inspection
2) After 150 flight hours
3) Then after every 150 hours

PROPELLER RECORDS : SR 200				
DATE	HOURS IN SERVICE OPERATION	TOTAL NUMBERS OF HOURS IN SERVICE	RECORDED BY	SIGNATURE

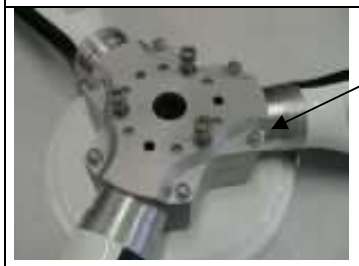
ASSEMBLY INSTRUCTION

SR 200 PROPELLER

ASSEMBLY INSTRUCTION

- WITHOUT CENTRAL SETTING MECHANISM
- WITH CENTRAL SETTING MECHANISM

SR 200 PROPELLER	
	The individual parts of the SR 200 propeller.
	Put the upper part of propeller hub on the straight plane.
	Insert the propeller blades into the upper half of the propeller hub. Also pay attention to proper blades placing - the blades are marked with letters A, B, C and the propeller hub is marked in the same way with letters A, B, C.
	The lower half of the propeller hub with the spinner base.

	The lower half of the propeller hub, which is equipped by producer with appropriate spacer, is to be set to the upper half of hub with propeller blades.
	Both halves of the cone hub are to be screwed by means of screws M6x80 with duralumin washers, which are situated in the base of cone, using the washers 6,3 and selflocking nuts M6. Tighten the screws by tightening moment 10 Nm. (89in / lb)
	Fix the propeller hub to the base of propeller cone using the screws M8x100. Tighten the screws by tightening moment 22 Nm. (195in/lb) **Use LOCTITE 243 for M8 bolts locking !!!**
	Cover the propeller hub by propeller spinner. Fix the spinner using the screws M4x15 (9 p-s). Attention - the red marks on the propeller spinner base and on the spinner must be set against each other.
Install the propeller on the engine flange by means of suitable screws on lock them by means of selflocking nuts or by means of split pin. ATTENTION - The serious danger of harm threatens in nearness of rotating propeller! Keep away of rotating propeller!	

ASSEMBLY INSTRUCTION

- WITHOUT CENTRAL SETTING MECHANISM
- WITH CENTRAL SETTING MECHANISM

SR 200 WITHOUT CENTRAL SETTING MECHANISM	
	The individual parts of SR 200 propeller.
	Put the upper part of propeller hub on the straight place.
	Insert the propeller blades into the upper half of the propeller hub. !Also pay attention to proper blades placing – the blades are marked with letters A,B,C.
	The item of proper placing the propeller blades in the upper half of propeller hub.

	Put the lower half of the propeller hub on the upper half of propeller hub. Place the screws M6x70 (6 p-s) into the holes on sides of propeller blades.
	Turn the propeller so that the upper half of propeller hub directs upwards.
	Set the propeller blades at the reguested angle – mark is on the propeller hub and on the propeller blades there are the angle scales.
	Put the washers 6.3 (6 p-s) on the screws M6x70 (6 p-s) and screw on the selflocking nuts M6. ! Tighten the M6 nuts by torque 10Nm (88.5lb/in).