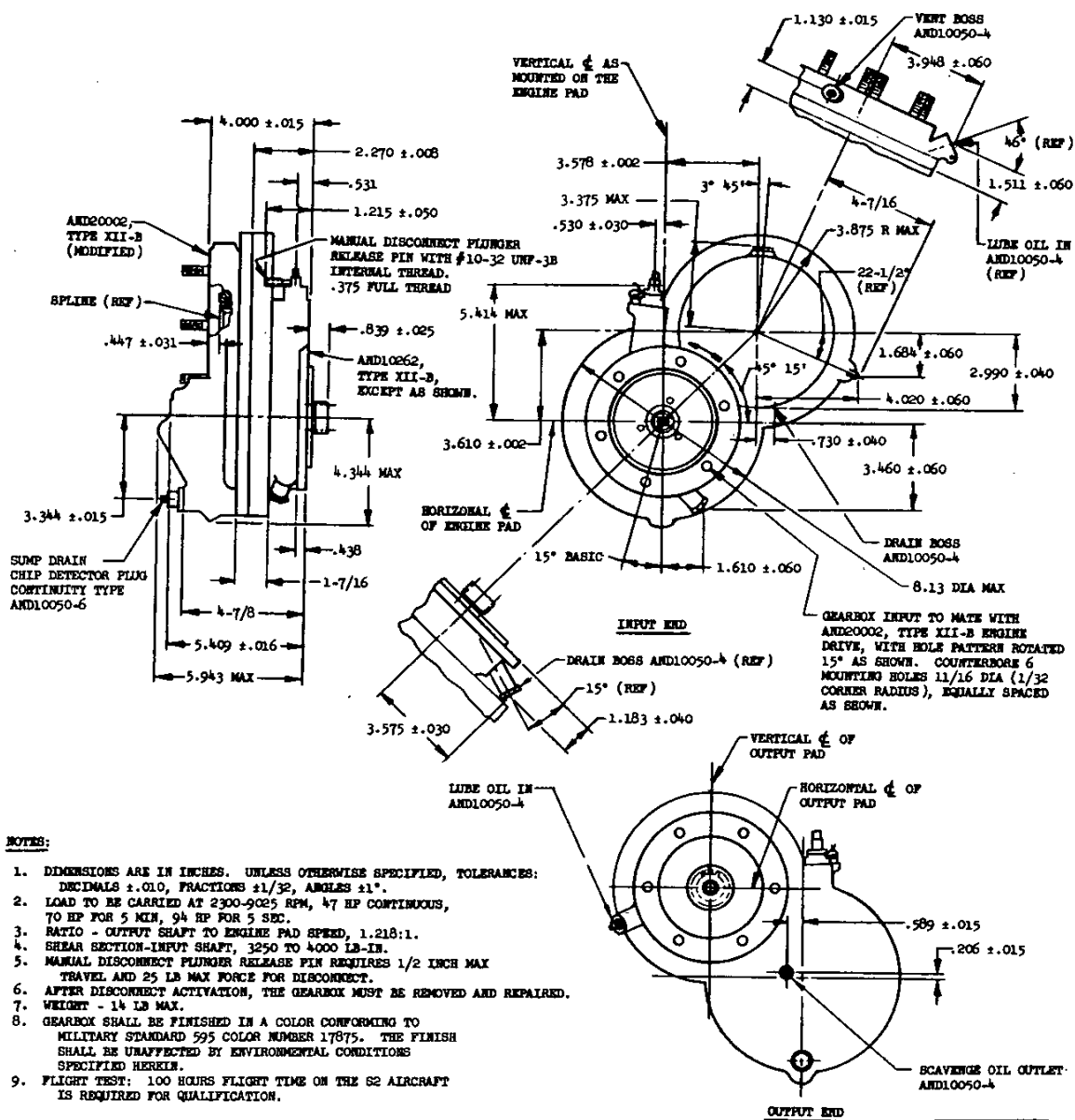


MIL-T-5091/3 (WP)
6 JULY 1965

MILITARY SPECIFICATION SHEET

TRANSMISSION, POWER, CONSTANT RATIO GEARBOX, ENGINE MOUNTED 47 HP

The complete requirements for procuring the gearbox described herein shall consist of this document and the issue in effect of MIL-T-5091 (WP).



NOTES:

1. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ± 0.010, FRACTIONS ± 1/32, ANGLES ± 1°.
2. LOAD TO BE CARRIED AT 2300-9000 RPM, 47 HP CONTINUOUS, TO HP FOR 5 MIN, 94 HP FOR 5 SEC.
3. RATIO - OUTPUT SHAFT TO ENGINE PAD SPEED, 1.218:1.
4. SHAFT SECTION-INPUT SHAFT, 3250 TO 4000 LB-IN.
5. MANUAL DISCONNECT PLUNGER RELEASE PIN REQUIRES 1/2 INCH MAX TRAVEL AND 25 LB MAX FORCE FOR DISCONNECT.
6. AFTER DISCONNECT ACTIVATION, THE GEARBOX MUST BE REMOVED AND REPAIRED.
7. WEIGHT - 14 LB MAX.
8. GEARBOX SHALL BE FINISHED IN A COLOR CONFORMING TO MILITARY STANDARD 595 COLOR NUMBER 1785. THE FINISH SHALL BE UNAFFECTED BY ENVIRONMENTAL CONDITIONS SPECIFIED HEREIN.
9. FLIGHT TEST: 100 HOURS FLIGHT TIME ON THE S2 AIRCRAFT IS REQUIRED FOR QUALIFICATION.

PART NUMBER: M5091/3-47

FSC 6115