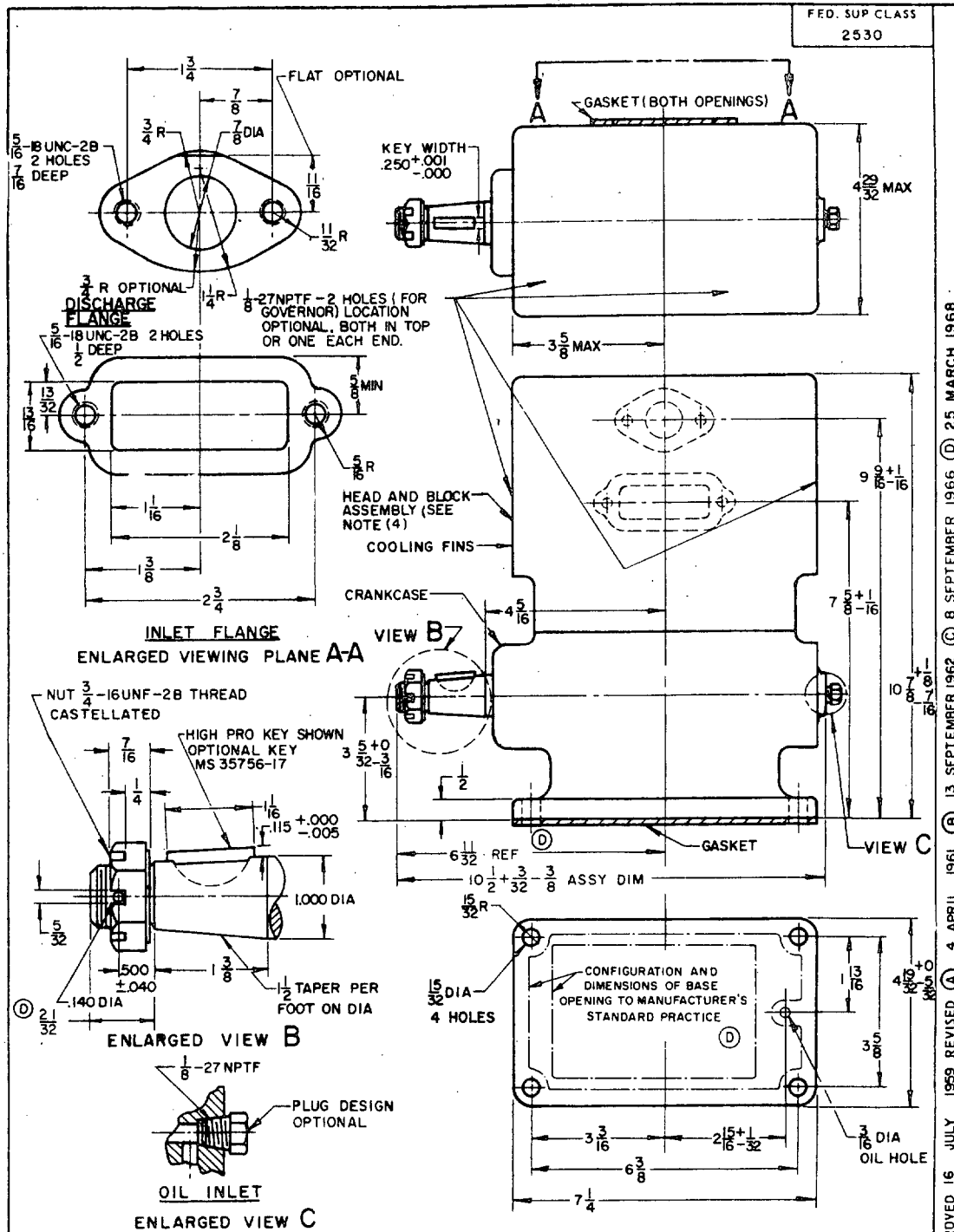


REVIEW ACTIVITY: AF-85
 USER ACTIVITIES: ARMY-ME, MI; NAVY-MC, YD

This military standard is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.



(D) FOR CHANGES SEE SHEETS 1 AND 2

MS PART NO.
 MS 51322-1

P.A. ARMY - AT	TITLE	MILITARY STANDARD
Other Cust AIR FORCE - 84	COMPRESSOR, RECIPROCATING, POWER DRIVEN - AIR COOLED, 7-1/4 C.F.M. W / UNLOADER	MS 51322
PROCUREMENT SPECIFICATION MIL-C-45334	SUPSEDES: MS 51322 (ORD)	SHEET 1 OF 2

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

APPROVED 16 JULY 1959 REVISED (A) 4 APRIL 1961 (B) 13 SEPTEMBER 1962 (C) 8 SEPTEMBER 1966 (D) 25 MARCH 1968

FED. SUP CLASS
2530

(D)

NOTES

1. THIS COMPRESSOR SHALL CONFORM TO MIL-C-45334, TYPE I
2. RECOMMENDED MAXIMUM OPERATING SPEED - 2400 RPM.
3. MAXIMUM BUILD-UP TIME TO PUMP A 1000 CU.IN. RESERVOIR TO 100 PSIG:
35 SECONDS-AT COMPRESSOR SPEED OF 2400 RPM.
55 SECONDS-AT COMPRESSOR SPEED OF 1200 RPM.
4. COMPRESSOR SHALL BE CONSTRUCTED TO ALLOW 180° ROTATION OF THE HEAD AND BLOCK ASSEMBLY TO PROVIDE FOR RIGHT OR LEFT HAND LOCATION OF THE INLET AND DISCHARGE FLANGES. MANUFACTURER SHALL FURNISH REQUIRED INSTRUCTION SHEET TOGETHER WITH NECESSARY SPARE GASKET FOR EACH COMPRESSOR ORDERED FOR FIELD REPLACEMENT.
5. MAXIMUM WEIGHT: 24 POUNDS
6. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE $\pm 1/64$ ON FRACTIONS, $\pm .005$ ON DECIMALS, $\pm 1^\circ$ ANGULAR. CASTING DIMENSIONS SHALL BE $\pm 1/16$.
7. THREADS SHALL BE IN ACCORDANCE WITH SCREW THREAD STANDARDS FOR FEDERAL SERVICES, HANDBOOK H28.
8. THIS STANDARD IS NOT INTENDED TO LIMIT CONSTRUCTION, OTHER THAN TO FEATURES SHOWN HEREON BY DIMENSIONS, NOTATIONS, OR REFERENCED DOCUMENTS.
9. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
10. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BID.
11. MARKING SHALL CONSIST OF THE MS PART NUMBER, MANUFACTURERS IDENTIFICATION AND SERIAL NUMBER IN ACCORDANCE WITH MIL-STD-130.

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APPROVED 16 JULY 1959 REVISED (C) FOR CHANGES SEE SHEETS 1 AND 2 (D) FOR CHANGES SEE SHEETS 1 AND 2

P.A. ARMY-AT	TITLE	MILITARY STANDARD
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