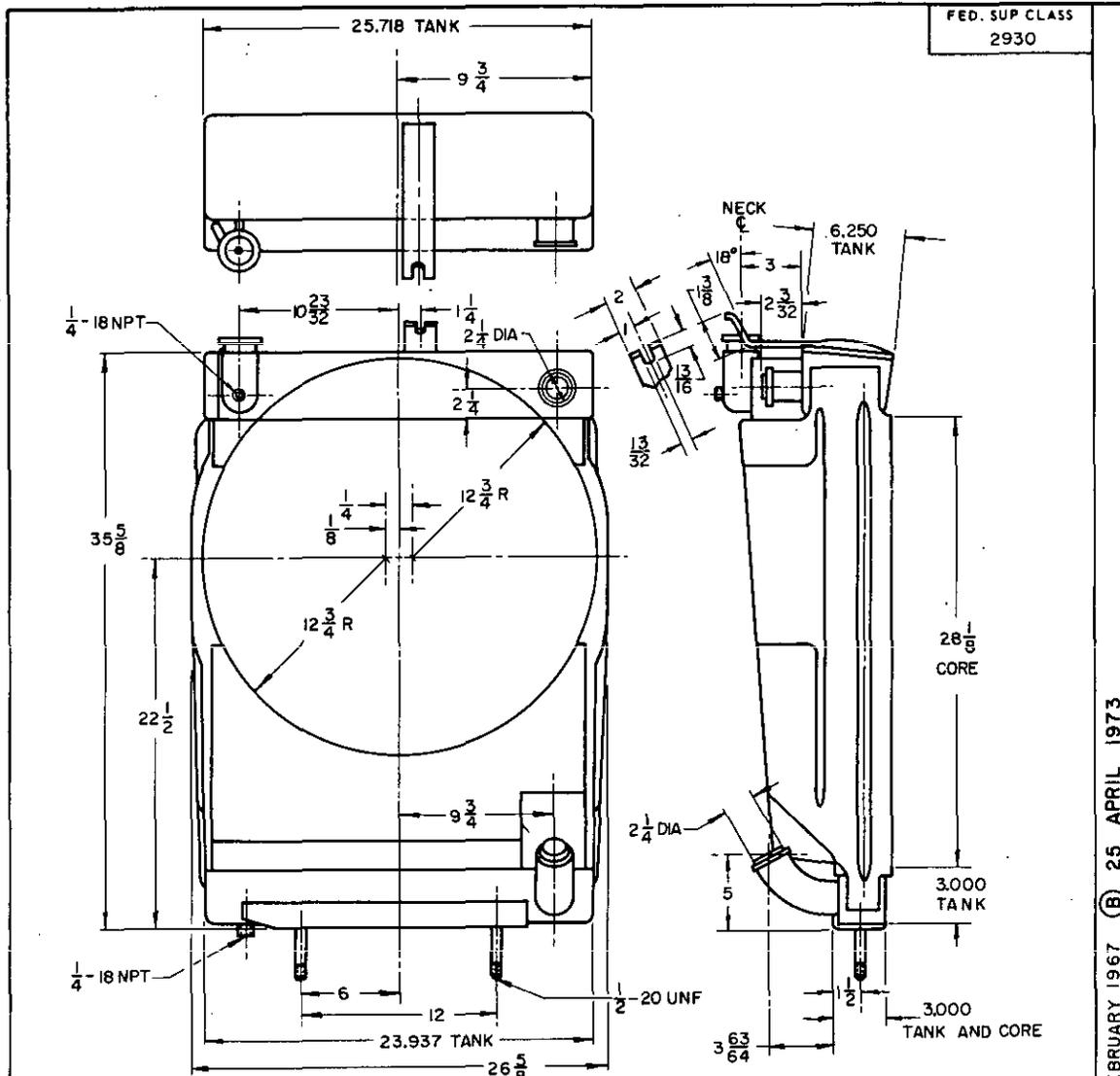


REVIEW ACTIVITIES: AF-85
 USER ACTIVITIES: ARMY-ME, MI; NAVY-MC, YD

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.



NOTES:

1. MATERIALS: TANKS AND HEADERS: BRASS, COMP. 2, QQ-B-613. SIDE SUPPORTS: TERNE SHEET, TYPE I, GRADE A, QQ-T-191. CORE: TUBES: BRASS, 70% CU, 30% ZN, MIL-C-50. FINS: COPPER; QQ-C-576. SOLDER: MIL-S-6872. USE SOLDER COMP. SN40 OR SN50, QQ-S-571.
2. PROTECTIVE FINISH: CONDITION IN ACCORDANCE WITH MIL-M-10578, PRIME, IT-P-666. COLOR AND ENAMEL: TT-E-529, TT-E-489 OR TT-E-485 AS PER CONTRACT REQUIREMENTS.
3. ASSEMBLY SHALL WITHSTAND 15 TO 18 PSIG INTERNAL PRESSURE.
4. HEAT REJECTION AND CORE RESISTANCE CURVES, SEE SHEET 2.
5. THREADS SHALL BE IN ACCORDANCE WITH SCREW THREAD STANDARDS FOR FEDERAL SERVICES HANDBOOK H28.
6. DIMENSIONS ARE IN INCHES AND ARE FOR ENGINEERING REFERENCE ONLY.
7. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
8. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BIDS.
9. THIS STANDARD IS NOT INTENDED TO LIMIT CONSTRUCTION TO FEATURES OTHER THAN AS SHOWN HEREON BY DIMENSIONS, NOTATIONS, AND REFERENCED DOCUMENTS.
10. MARKING SHALL CONSIST OF THE MS PART NUMBER AND THE MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH MIL-STD-130.
11. DETAILS OF THIS ASSEMBLY SHALL BE IN ACCORDANCE WITH REFERENCED DRAWING WHICH MAY BE OBTAINED FROM U.S. ARMY TANK-AUTOMOTIVE COMMAND, WARREN, MICHIGAN, 48090.

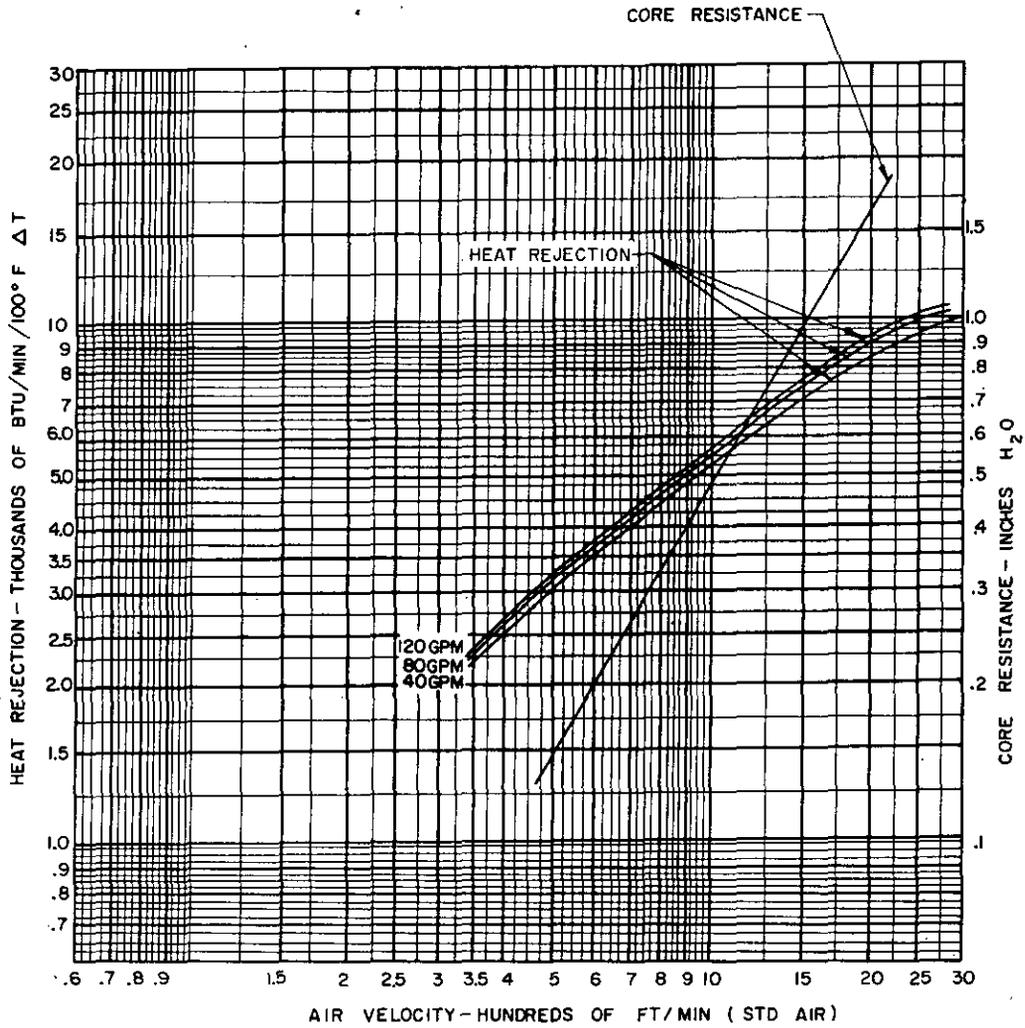
ⓑ CANCELLED AFTER 25 APRIL 1973

FOR NEW DESIGN AND PROCUREMENT USE DWG 7375656

MS PART NO.	REF. DWG. NO.
MS 51386-1	7375656

P.A. ARMY-AT	TITLE	MILITARY STANDARD	
Other Cust NAVY-YU AF-82	RADIATOR, ENGINE COOLANT, AUTOMOTIVE: 4.69 SQUARE FEET FRONTAL CORE AREA	MS 51386	
PROCUREMENT SPECIFICATION NONE	SUPERSEDES:	SHEET	OF
		1	2

APPROVED 6 JUNE 1961 REVISED ⓐ 9 FEBRUARY 1967 ⓑ 25 APRIL 1973



HEAT REJECTION AND CORE RESISTANCE CURVES

APPROVED 6 JUNE 1961 REVISED (B) FOR CHANGES SEE SHEET 1

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P.A. ARMY-AT
Other Cust
NAVY- YD
AF-82

TITLE

RADIATOR, ENGINE COOLANT, AUTOMOTIVE
4.69 SQUARE FEET FRONTAL CORE AREA

MILITARY STANDARD

MS 51386

PROCUREMENT SPECIFICATION
NONE

SUPERSEDES:

SHEET
2