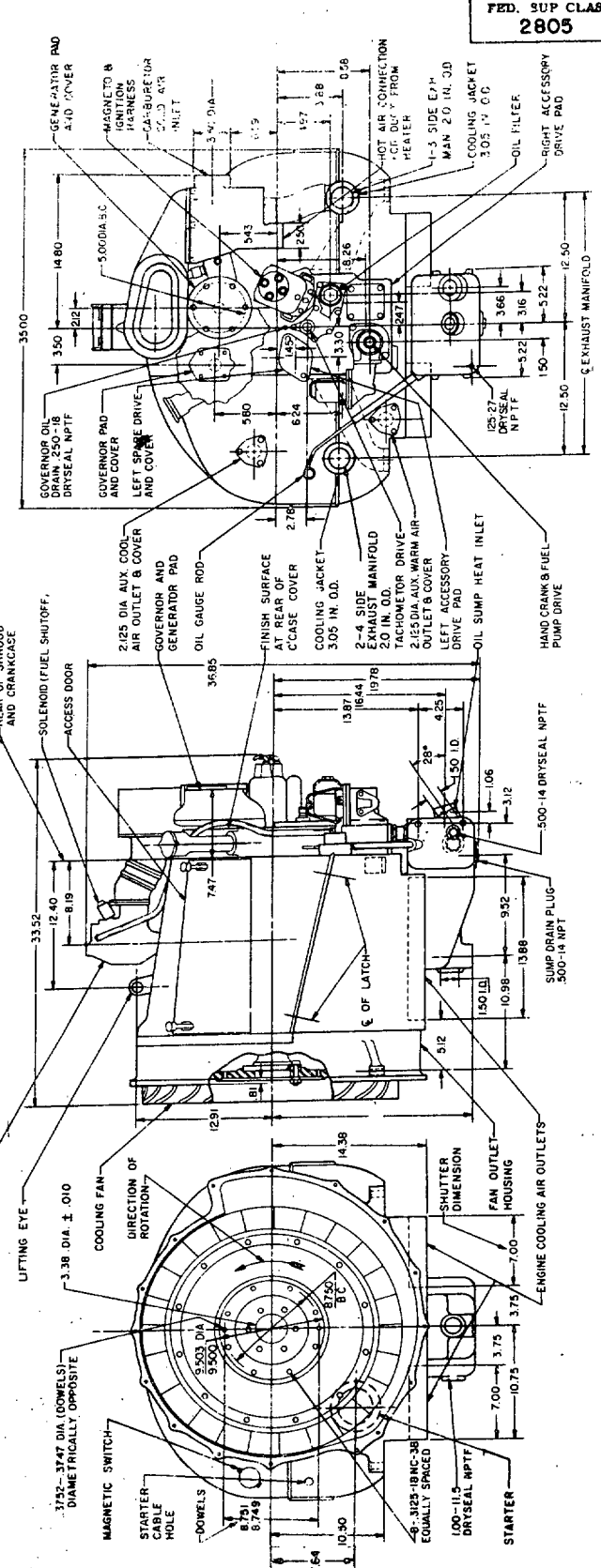
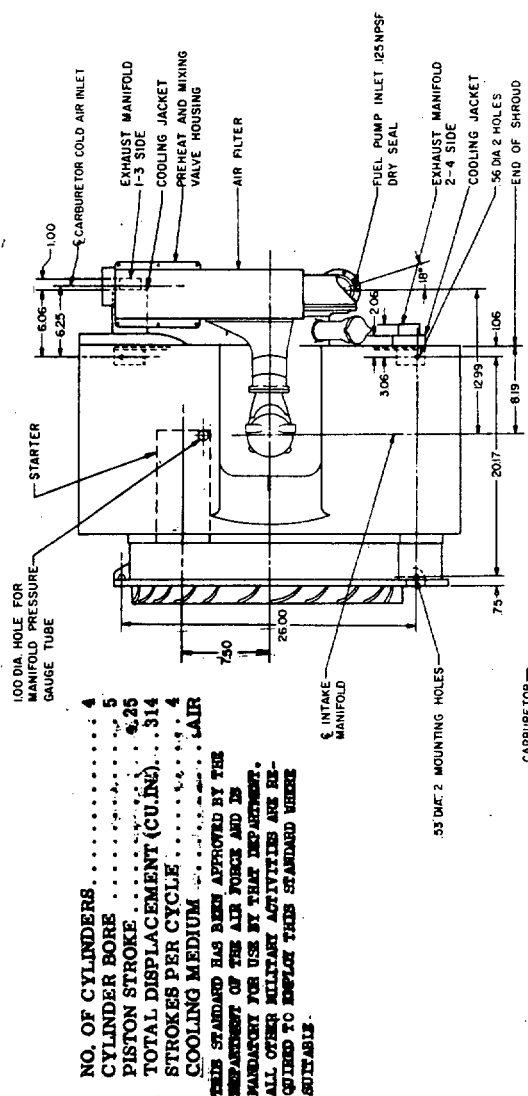


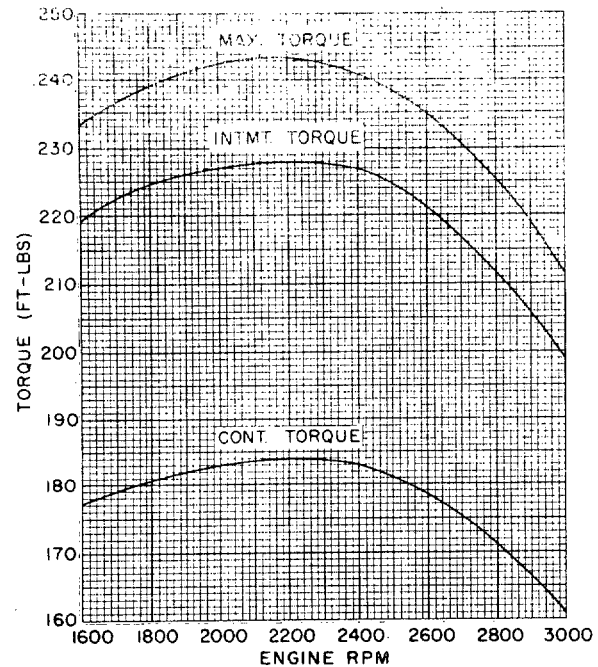
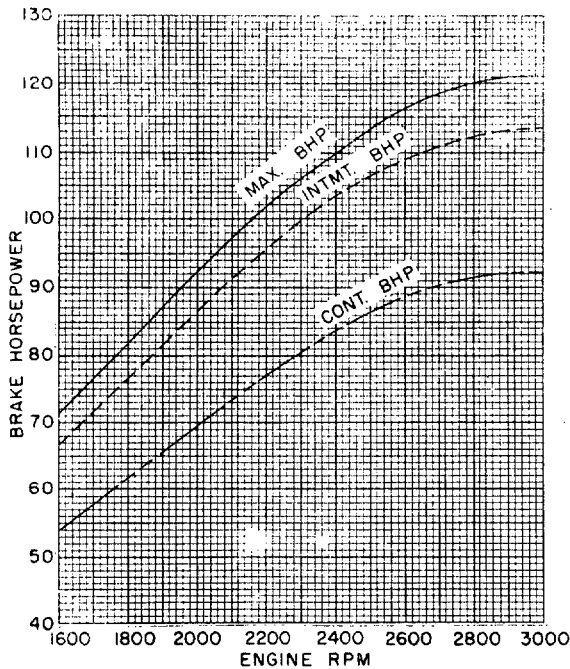
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GENERAL NOTES:

1. THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
2. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BIDS.
3. DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED, TOLERANCES: ± 0.01 .



CUSTODIANS AIR FORCE	OTHER INT. A - N - AF -	MILITARY STANDARD	MS24559 (USAF)
		ENGINE-GASOLINE, TYPE GLU-3/U 110 HP PACKETTE (FORMERLY PE90)	
PROCUREMENT SPECIFICATION MIL-E-26248	SUPERSEDES:		SHEET 1 OF 2



NOTES

1. DATA CORRECTED TO STANDARD CONDITIONS (29.92 IN. HG, 60°F).
2. MAXIMUM HORSEPOWER AND MAXIMUM TORQUE AT WIDE OPEN THROTTLE.
3. CONTINUOUS DUTY PERFORMANCE CURVES APPLICABLE AT 6000 FT ALTITUDE.

PERFORMANCE SPECIFICATIONS

FULL THROTTLE BRAKE HORSEPOWER RATINGS			CRANKSHAFT SPEED IN RPM			FULL THROTTLE PERFORMANCE AT RATED RPM UNDER RATED LOAD		
MAXIMUM AT SEA LEVEL	ITMT DUTY	CONT DUTY	FULL RATED	THROTTLE GOVERNED	NO LOAD IDLING	INT MANIFOLD VACUUM (IN. HG)	FUEL CONS. (LB/HR)	SPECIFIC OIL CONS. (LB/BHP/HR)
110	103.3	83.6	2400	1400-2800	800 - 900	1.5 TO 1.9	68-72	0.012

FUEL SPECIFICATIONS

SPECIFICATION NUMBER	GRADES FOR AMBIENT TEMPERATURE RANGES		MINIMUM OCTANE RATING
	ABOVE 0°F	BELOW 0°F	
MIL-G-5572	80 - 145	80 - 145	80
MIL-G-3056	TYPE I	TYPE II	80
VV-M-561			80

LUBRICATING OIL SPECIFICATIONS

SPECIFICATION NUMBER	VISCOSITY GRADES FOR AMBIENT TEMPERATURE RANGES	
	ABOVE 20°F	BELOW 20°F*
MIL-L-2104	30	10
SAE GRADE	30	10

* WHEN DAILY TEMPERATURES RANGE ABOVE AND BELOW 20°F, USE HIGHER VISCOSITY.

WEIGHTS

TOTAL DRY WEIGHT (MAXIMUM) 518.0 LB

ACCESSORIES INCLUDED

ELECTRIC CRANKING MOTOR 24 VOLT
FUEL PUMP, ENGINE DRIVEN 4-5.75 PSI
CARBURETOR 1 BARREL
MAGNETO, RADIO SHIELDED 1
IGNITION CABLES, RADIO SHIELDED 5MM.
SPARK PLUGS, RADIO SHIELDED 18MM.

CAPACITIES

OIL SUMP CAPACITY (U.S. QUARTS) 9.0

RELATED DOCUMENTS

CONTINENTAL MOTORS CORP. DRAWING NO. 627583

CUSTODIANS AIR FORCE	OTHER INT. A - H - AF -	MILITARY STANDARD	MS24559 (USAF)
		ENGINE-GASOLINE, TYPE GLU-3/U 110 HP PACKETTE (FORMERLY PE 90)	
PROCUREMENT SPECIFICATION MIL-E-26248	SUPERSEDES:		SHEET 2 OF 2

DC FORM 672-1
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