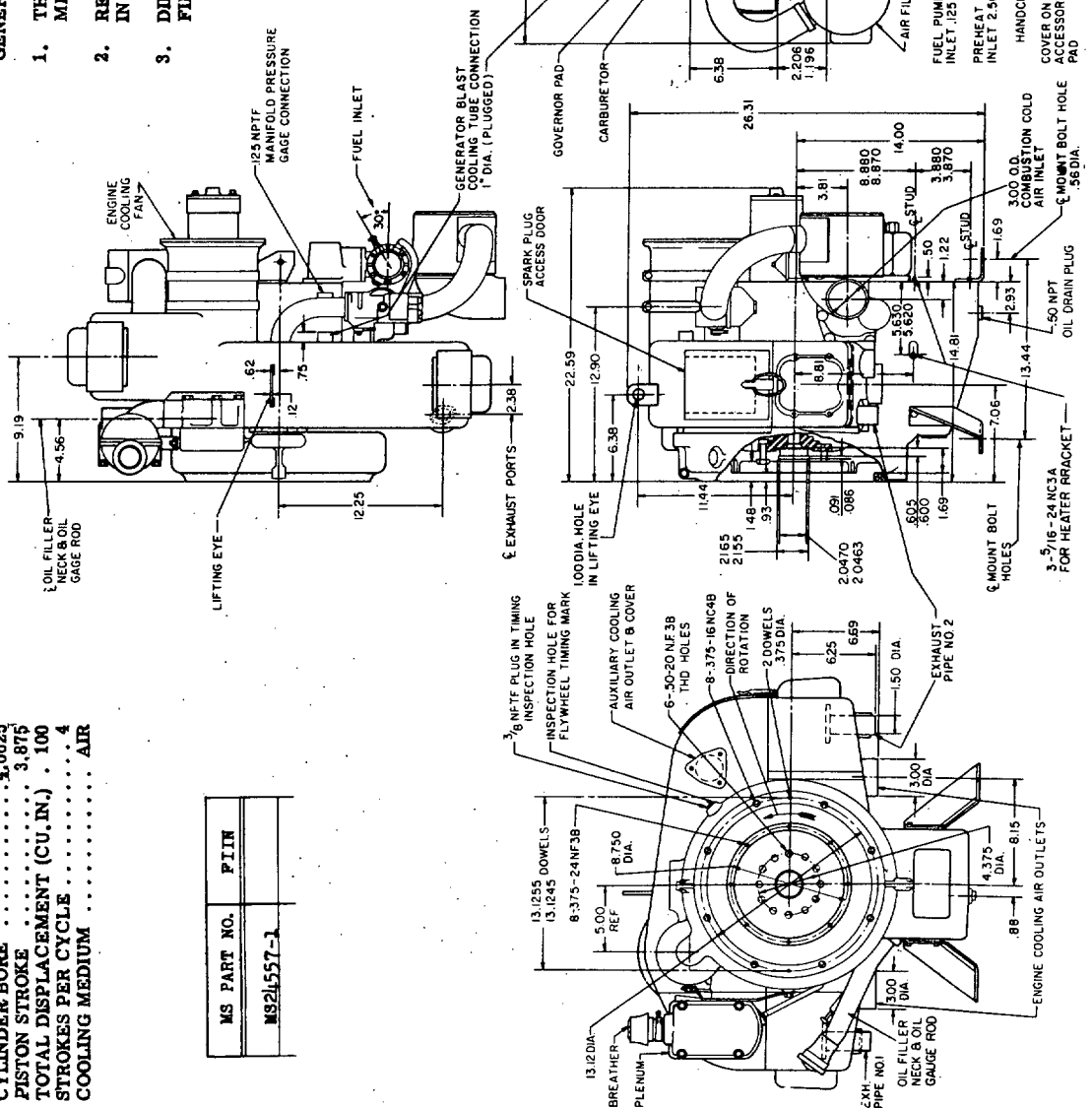


GENERAL NOTES:

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 .

THIS STANDARD HAS BEEN APPROVED BY THE DEPARTMENT OF THE AIR FORCE AND IS MANDATORY FOR USE BY THAT DEPARTMENT.
ALL OTHER MILITARY ACTIVITIES ARE REQUIRED TO EMPLOY THIS STANDARD WHERE SUITABLE.

MS PART NO.	PIIN
MS24557-2	



FED. SUP CLASS.
2805

APPROVED 21 MAY 1959 REVISED

CUSTODIANS
AIR FORCE

OTHER INT.
A -
N -
AF -

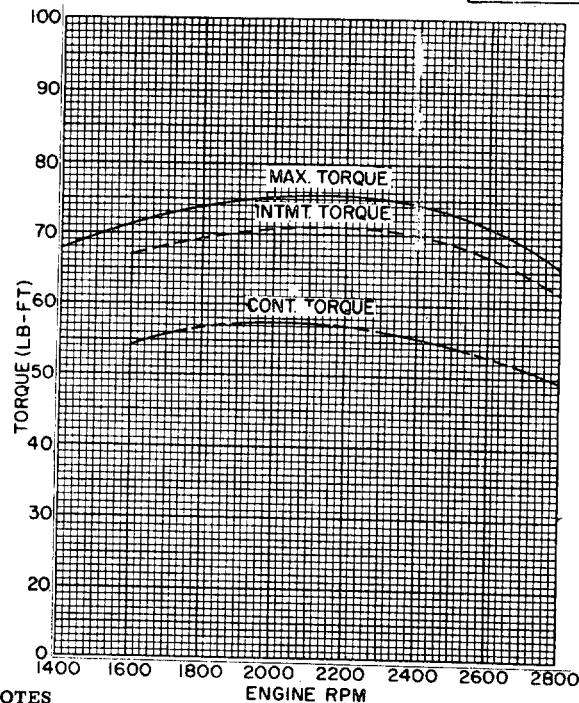
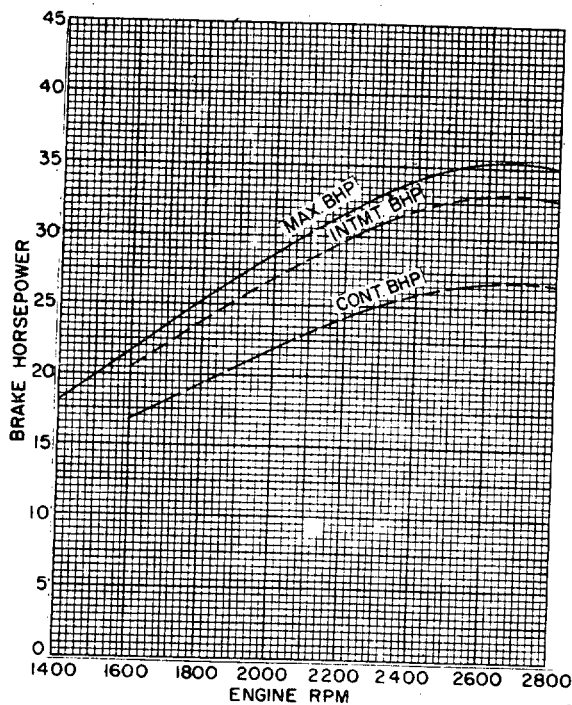
MILITARY STANDARD
ENGINE-GASOLINE, TYPE GLU-1/U
30 HP PACKETTE (FORMERLY PC30)

MS24557
(USAF)

PROCUREMENT SPECIFICATION
MIL-E-26248

SUPERSEDES:

SHEET	OF	2
-------	----	---

FED. SUP CLASS.
2805

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 THROTTLE RATED	GOVERNED	NO LOAD IDLING	INT MANIFOLD VACUUM (IN. HG)	FUEL CONS. (LB/HR)	SPECIFIC OIL CONS. (LB/BHP/HR)
34	32.0	25.8	2400	1400-2800	800-900	0.9-1.4	21-23	0.012

FUEL SPECIFICATIONS

SPECIFICATION NUMBER	GRADES FOR AMBIENT TEMPERATURE RANGES		MINIMUM OCTANE RATING
	ABOVE 0°F	BELOW 0°F	
MIL-J-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) 288.0 LB

ACCESSORIES INCLUDED

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

CAPACITIES

OIL SUMP CAPACITY (U.S. QUARTS) 4.5

RELATED DOCUMENTS

CONTINENTAL MOTORS CORP. DRAWING NO. 627093

APPROVED 21 May 1959 REVISED

CUSTODIANS AIR FORCE	OTHER INT. A - N - AF -	MILITARY STANDARD		MS24557 (USAF)
		ENGINE-GASOLINE, TYPE GLU-1/U 30 HP PACKETTE (FORMERLY PC30)		
PROCUREMENT SPECIFICATION MIL-E-26248		SUPERSEDES:		SHEET 2 OF 2

83 FORM 772-1
1 OCT 52

NOTICE: When Government drawings, specifications, or other data are used for any purposes other than in connection with a definitely related Government procurement operation, the United States Government assumes no responsibility, nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use, or sell any patented invention that may in any way be related thereto.