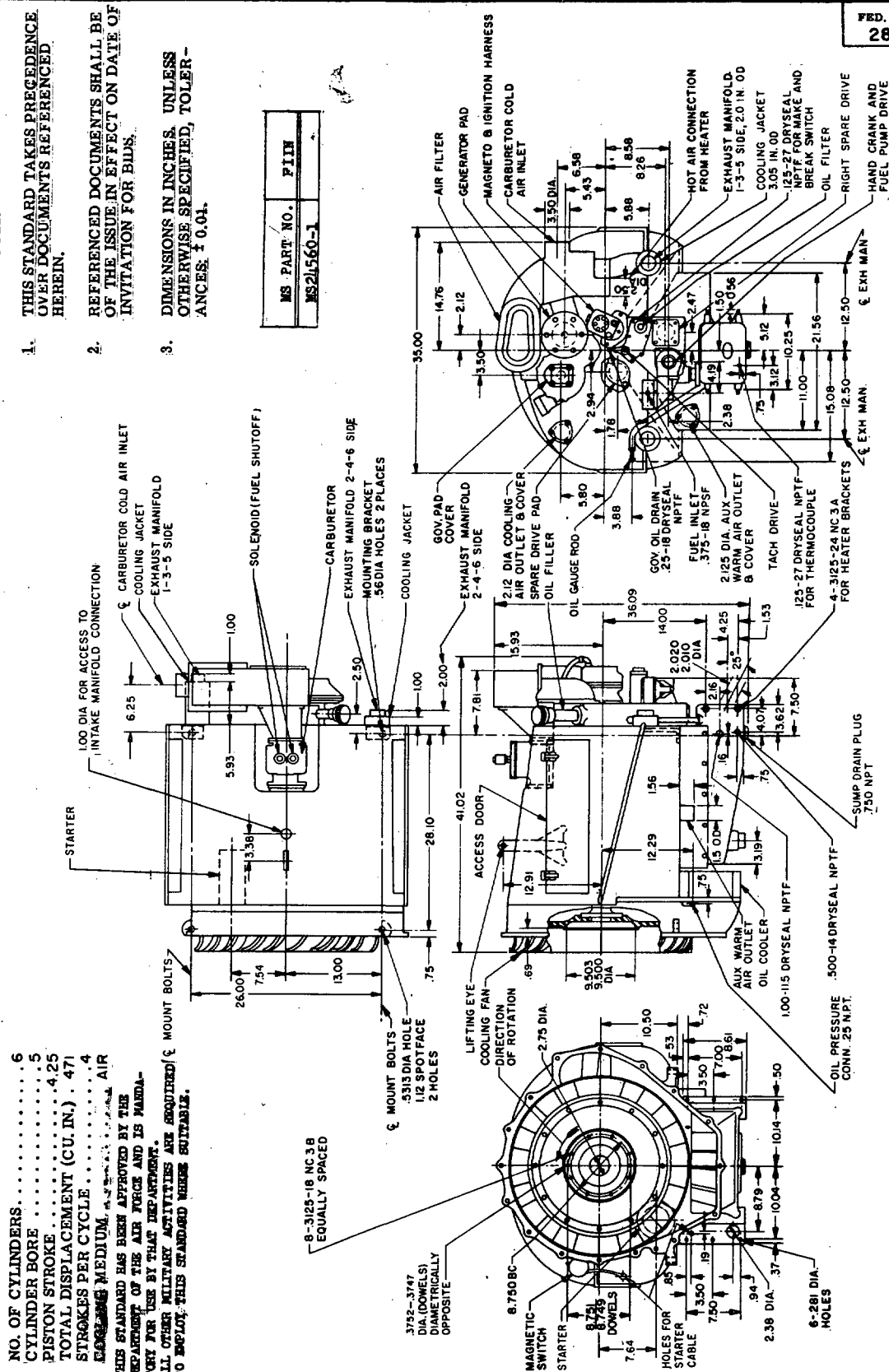


1. THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
2. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATION FOR BIDS.
3. DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED, TOLERANCES: ± 0.01 .

MS PART NO.	PIH
MS24560-1	



CUSTODIANS
AIR FORCE

OTHER INT.

A -
H -
AF -

MILITARY STANDARD
ENGINE-GASOLINE, TYPE GLU-4/U
175 HP PACKETTE (FORMERLY PE150)

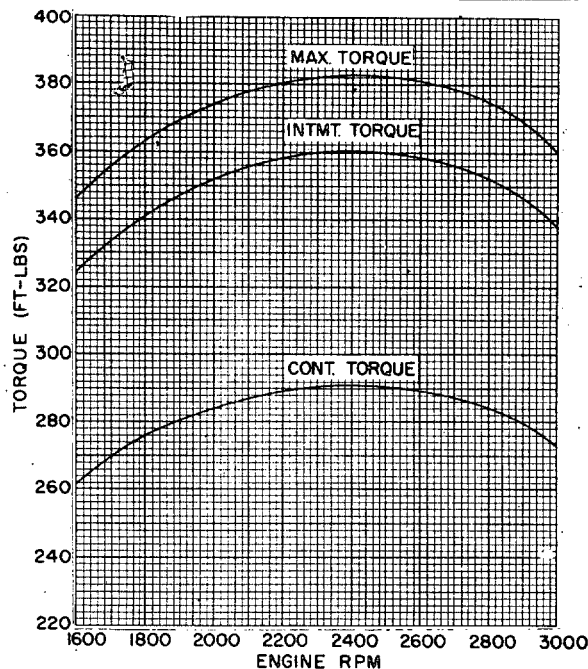
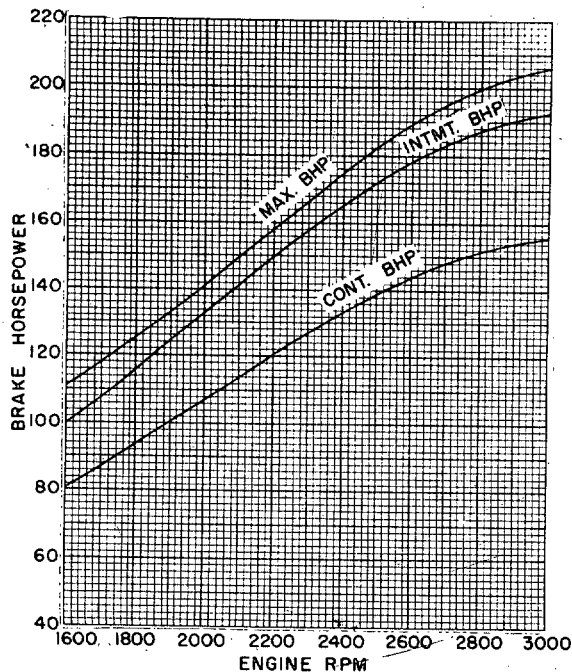
SUPERSEDES:

MS24560
(USAF)

SHEET 1 OF 2

DD FORM 672-1
1 OCT 52

APPROVED 21 MAY 1959 REVISED

FED. SUP CLASS.
2805

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)
175	164.5	133	2400	1400-2800	800-900	1.2 TO 1.7	100 TO 110	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) 641.0 LB

ACCESSORIES INCLUDED

ELECTRIC CRANKING MOTOR 24 VOLT
 FUEL PUMP, ENGINE DRIVEN 4-5.75 PSI
 CARBURETOR 2 BARRELS
 MAGNETO, RADIO SHIELDED 1
 IGNITION CABLES, RADIO SHIELDED 5MM.
 SPARK PLUGS, RADIO SHIELDED 18MM.

CAPACITIES

OIL SUMP CAPACITY (U.S. QUARTS) 12

RELATED DOCUMENTS

CONTINENTAL MOTORS CORP. DRAWING NO. 627118

APPROVED 21 MAY 1959 REVISED

CUSTODIANS AIR FORCE	OTHER INT. A - H - AF -	MILITARY STANDARD		MS24560 (USAF)
		ENGINE-GASOLINE, TYPE GLU-4/U 175 HP PACKETTE (FORMERLY PE150)		
PROCUREMENT SPECIFICATION MIL-E-26248		SUPERSEDES:		SHEET 2 OF 2