

NOTE 1. Maximum permissible temperatures:

<u>Cylinder Head</u> <u>(Well type)</u>	<u>Cylinder Base</u>	<u>Oil Inlet</u>
475°F	325°F	225°F

NOTE 2.

Fuel Pressure Limits	<u>Min.</u>	<u>Max.</u>
Oil Pressure Limits (Normal Operation)	9 psi	15 psi
(Idling)	65 psi	85 psi
	25 psi	

NOTE 3. The following accessory provisions are provided:

<u>Accessory</u>	<u>Direction of Rotation</u> <u>Facing Engine Pad</u>	<u>Speed X</u> <u>Crankshaft</u> <u>RPM</u>	<u>Maximum Torque</u> (in.-lb.)		<u>Maximum Overhang</u> <u>Moment (in.-lb.)</u>
			<u>Cont.</u>	<u>Static</u>	
Starter	C	1.000:1	-	12000	300
Generator	C	2.600:1	500	2200	400
Fuel Pump	CC	.803:1	25	150	25
Vac. Pump	C	1.219:1	200	800	25
Hyd. Pump	C	1.083:1	300	1650	75
Tachometer	CC	.50:1	7	50	-

NOTE 4.

	<u>SO-580-A1A</u>	<u>SO-580-A1B</u>	<u>VSO-580-A1A</u>
<u>Engine Dry Weight (lbs)</u>	596	578	592
<u>Center of Gravity Position</u> Off Propeller Shaft C.L., in.	.67 Above & .10 Right	.52 Above & .10 Right	.31 Below & .10 Right
From Front Face of crankcase, in.	20.7	20.4	21.65
Ignition - Dual (4 Mags.)	(2) S4LN-50 (2) S4LN-51	(2) S4LN-20 (2) S4LN-21	(2) S4LN-20 (2) S4LN-21

NOTE 5. These engines are approved for helicopter application and operation. The SO-580-A1A and A1B engines are designed for installation in a horizontal position or up to 35 nose up attitude. The VSO-580-A1A is intended for vertical installation.

NOTE 6. The SO-580-A1A and A1B are furnished with a flange power takeoff at the front end of the crank shaft. An oil seal or closure suitable to the requirements of the helicopter transmission system must be provided by the helicopter manufacturer. Doman Helicopters Inc. Kit No. 15001 is one approved arrangement.

NOTE 7. The following spark plugs are approved on these engines:

AC	S-86R, SR-83P, HSR-83P
Autolite	SH-2M, SH-20, SH-20A
RG	RB485S
Champion	R25S, RED37N, REM37N RHD37N, RHM37N

...END...