

MOTOR SPECIFICATION CHART

No. **S-49**

MODEL **W5**

No. Cyl's. **4** Bore **3 3/8** Stroke **4 1/4**
 Max. B. H. P. **33** At **2500** R. P. M. } Cast iron
 Max. Torque **92** **1200** R. P. M. } piston
 Clearance Vol. **23.66 %** Comp. Ratio **4.22 to 1**
 S. A. E. Horsepower **18.23** Comp. Press. **59" sq. in.**
 Displacement **152.082** Cu. In. **2492.2** Cu. Cm.
 No. Piston Rings **3** Wt. **3/16**
 Piston Pin B'g. In Rod **55/64** In Pin **1 7/16**
 Dia. and Length Pin B'g. **1 7/16**
 Piston Pin Lubrication **Spray**
 Length Con. Rod **8**
 Type Con. Rod Brg. **Babbitt - die cast**
 Dia. Crank Pin **1 1/2** Length Crank Pin **1 7/16**
 Crank Pin Lubrication **Pressure from crank brg.**

No. Crankshaft B'g's. **3**

	1	2	3	4	5	6	7
Dia.	1 1/2	1 1/2	1 1/2				
Length	1 25/32	1 9/16	2 3/4				

No. Cam B'g's. **3** Dia. Shaft Betw. B'g's. **27/32**

	1	2	3	4
Dia.	1 3/4	1 5/8	1 1/2	
Length	1 3/8	1 5/16	1 1/2	

Dia. Int. Port **1 1/2** Dia. Ex. Port **1 1/2** Lift **5/16**
 Valve Op. Area-Int. **1.23 Sq. in.** Ex. **1.23 Sq. in.**
 Ex. Opens **41° Early** Ex. Closes **1° Late**
 In. Opens **4° Late** In. Closes **46° Late**
 Type Tappet **Round Nose**
 Firing Order **1-3-4-2**

Oiling System **Pressure Feed**
 Type Pump **Gear**
 Oil in Pan Strained **Unstrained**
 Capacity Oil Pressure Gauge **50 Lbs.**
 Oil Capacity in Quarts **4**
 Oil Pressure Lbs. per Sq. In. **12-15** at **1000** R. P. M.

Remarks **Durant Star**
Thru drive on gen. for Water Pump
Cast iron piston - all plants except "Oakland" which uses alum.

Type Front End Drive **Chain**
 Pitch of Chain or Gears **.500**
 No. Links **63**
 Width of Chain **1 1/4** Type **#45 Morse**
 Electrical Equipment **Regular - Starter, Gen. & Dist**
 " **Special - Gen. & Mag**
 Gen. Mounting **Special flange** Gen. Speed **1.2 Eng.**
 Rotation of Gen. from Driven End **Clockwise**
 Distributor Mounting **On Gen. S.A.E. Type "A"**
 Rotation of Dist. **Clockwise**
 Spark Plug Tap **7/8-18**
 Water Circulation **Centrifugal pump**
 Capacity Pump **10.9** Gal. at **1000** R. P. M.
 " **20.0** " " **1800** "
 Starter Mounting **Saddle**
 Flywheel Housing **None**
 No. Teeth in Flywheel **112** In Pinion **11**
 Pitch Teeth **8-10** **Out or Inboard**
 Size Carburetor Flange **1" S.A.E.**
 Type Carburetor **Vertical**
 Position Relative to Crankshaft **Parallel**
 Inside Dia. Intake Manifold **1 3/16**
 Dia. Exhaust Pipe **1 3/4**
 Front - Center - Rear Outlet
 Thermostat **No**
 Type Suspension **4 Point**
 Independent or Unit Power Plant
 Recommended Engine Speed _____ R. P. M.
 Based on _____ Gear Ratio _____ Wheels _____
 _____ Mi. Per Hr.
 B. H. P. at Recommended Speed _____
 Torque at Recommended Speed _____
 Governors Provided for **None**
 Weight of Engine Bare **306 #**
 Max. Dia. Fan **16** Type Fan Belt **1" Flat**
 Speed Fan **1.7** Times Engine Speed