

MOTOR SPECIFICATION CHART

No. **S-49**

MODEL **W5**

No. Cyls. **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** Width **3/16**
 Piston Pin B'rg. In Rod **55/64** In Piston **1 7/16**
 Dia. and Length Pin B'rg. **55/64 x 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'rgs. **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'rgs. **3** Dia. Shaft Betw. B'rgs. **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