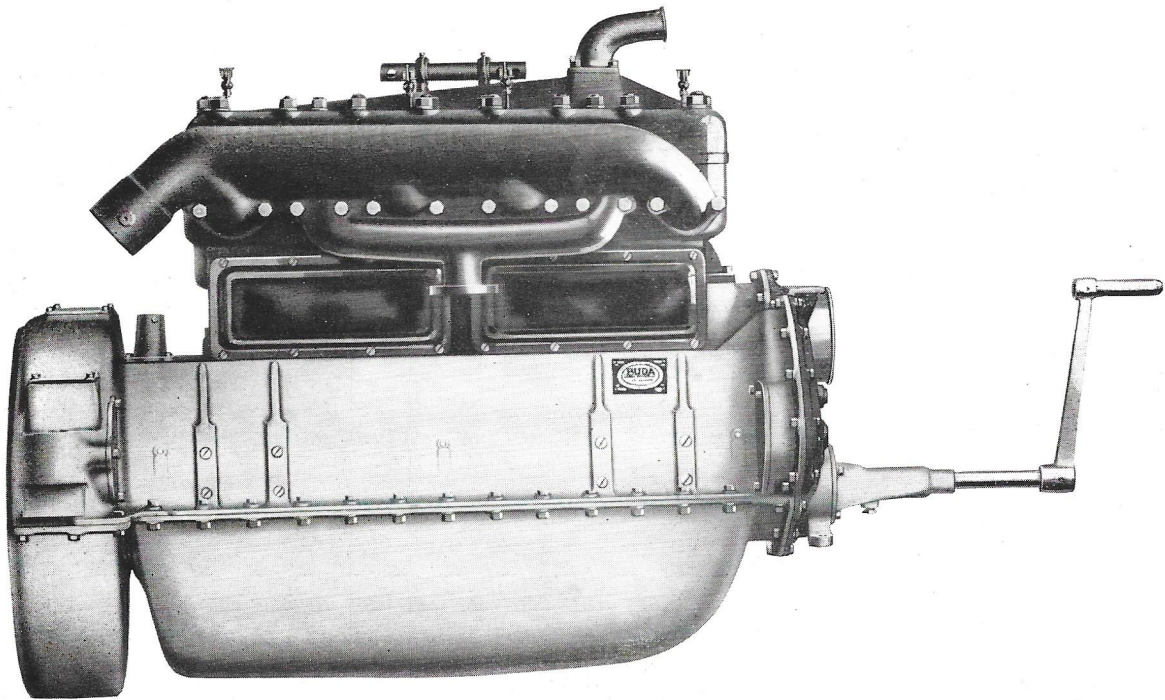


Buda Model "BTU"—Magneto and Water Pump Side
5 in. x 6½ in.—127 x 165 M.M.

SPECIFICATIONS AND DIMENSIONS

Type.....	Four cylinder, vertical, en bloc "L" head type, four cycle		
Bore	5"	127	M.M.
Stroke	6½"	165	M.M.
Weight.....	About 1425 lbs. with regular equipment	674.72	Kgm.
Suspension	3 point		
Ignition.....	Any standard type of magneto or ignition system		
Carburetor.....	1½" vertical outlet	38	M.M.
Lubrication.....	Geared pump force feed system		
Cooling.....	Centrifugal water pump		
Fan	Not furnished		
Extreme length of crank shaft.....	42 7/8"	1089	M.M.
"Height from center of crank shaft to top of water outlet pipe.....	28 1/8"	732	M.M.
Distance from center of crank shaft to bottom of engine.....	10 1/8"	275	M.M.
Distance from center of front supporting bracket to center of rear supporting arm.....	44 1/8"	1138	M.M.
Drop of supporting arms from center of crank shaft to top of frame.....	4" to 6"	102	M.M.-152.4 M.M.
Drop of front support bracket.....	2½" or 3½"	63.5	M.M.- 88.9 M.M.
Length of rear supporting arm.....	28 3/4"	730.5	M.M.
Length of engine over cylinders.....	32 7/8"	816	M.M.
Diameter of fly wheel.....	20 1/2"	520.69	M.M.
Weight of fly wheel.....	Truck, 76 lbs. to 115 lbs. for Tractor	34.47	Kgm. to 52.16 Kgm.

(Continued on next page)



Buda Model "BTU"—Carburetor Side
5 in. x 6½ in.—127 x 165 M.M.

SPECIFICATIONS AND DIMENSIONS—Continued

Face of fly wheel.....	4¼"	107.9	M.M.
Fly wheel regularly furnished for multiple disc clutch.....			
Diameter and length of front bearing.....	2¼ x 4⅞"	57.15 x 104.77	M.M.
Diameter and length of middle bearing.....	2½ x 3⅞"	63.5 x 98.42	M.M.
Diameter and length of rear bearing.....	2⅝ x 4¾"	66.67 x 120.64	M.M.
Diameter and length of connecting rod bearings.....	2½ x 3⅞"	63.5 x 79.37	M.M.
Connecting rod length from center to center.....	14⅜"	374.64	M.M.
Diameter and number of connecting rod bolts.....	⅞"—4	11.09	M.M.
Diameter and length of piston pin bearing.....	1⅜ x 2¾"	34.92 x 69.84	M.M.
Length of piston.....	6¾"	171.44	M.M.
Effective working diameter of valves.....	2¼"	57.15	M.M.
Use ⅞" 18 standard thread, S. A. E. spark plugs.			
Piston displacement in cubic inches.....	510.5	8361.99	C.C.
Internal diameter of bell housing flange.....	20⅞"	511.16	M.M.
External diameter of bell housing flange.....	21¾"	552.83	M.M.
Diameter of bolt circle.....	20⅞"	530.21	M.M.
Diameter of bolts.....	⅜"	9.525	M.M.

NOTE: This engine furnished in the bell housing (unit feature) only.

H A R V E Y C H I C A G O I L L I N O I S
S U B U R R