

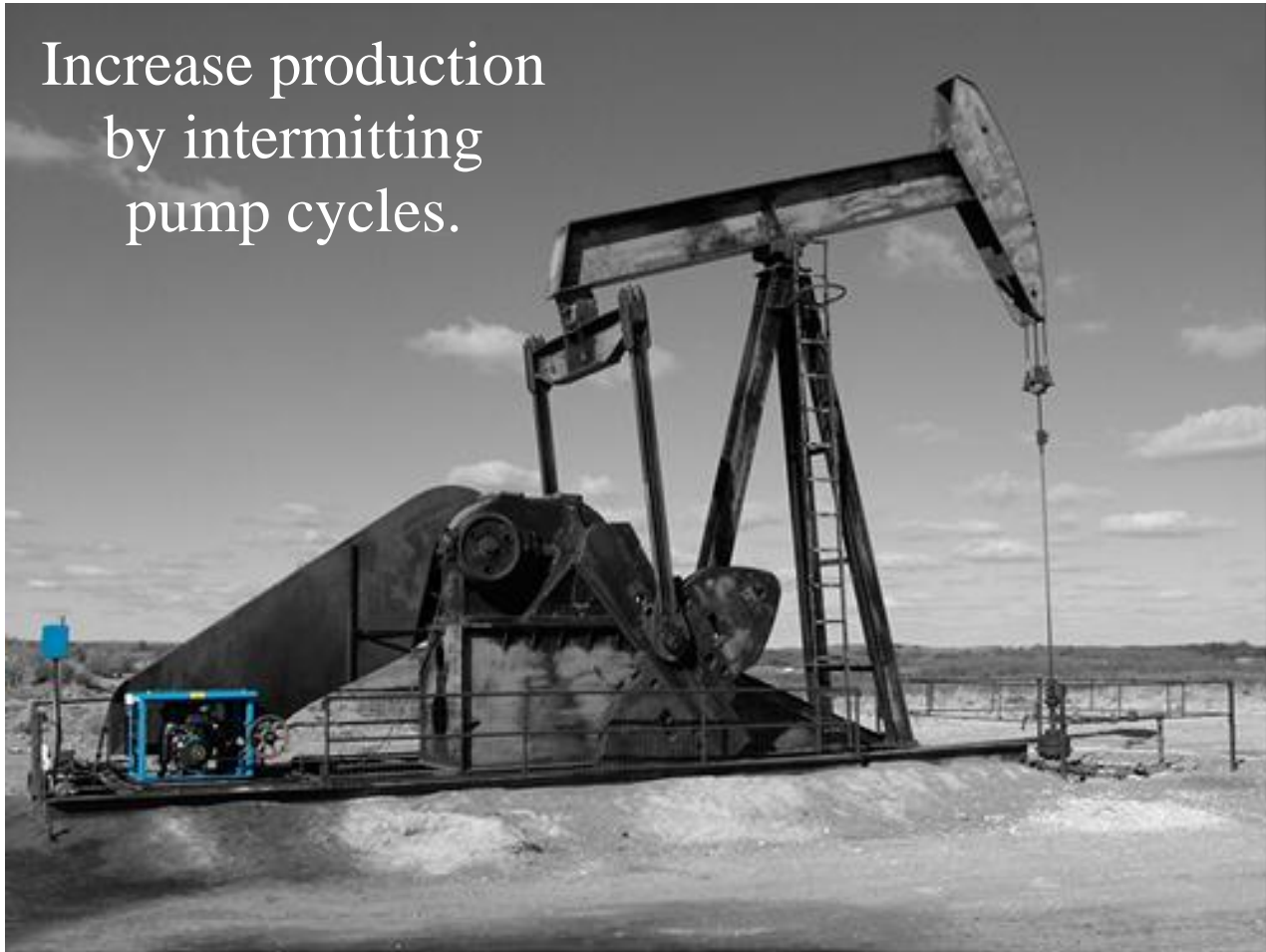


QUALITY & SERVICE
MAKE THE "DIFF"

Pumpmatic Engine Packages

Auto Start Natural Gas Powered Engines

Increase production
by intermitting
pump cycles.



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**Honda
GX390**



**Briggs & Stratton
Vanguard**



**Honda
GX670**



**Robin
EH72D**

EDI's engine packages are fabricated using industrial grade engines, packaged in an oil field tough housing ready to install and includes EDI's Pumpmatic controller. The Pumpmatic controller is a State-of-the-Art controller that will meet virtually all your engine driven pumpjack application requirements. It was designed for ease of operation from the ground up. The Pumpmatic Controller features automatic or manual start and stop engine capabilities, up to 50 changeable times per day, collection of readable data, and much more.

Pumpmatic Engine Package Includes	
Pumpmatic Controller	Standard Metal Housing
EPA Certified Natural Gas Engine	Jackshaft w/ 2 to 1 reduction
Wiring Harness	Hose and fittings to well head
Warner Electric Clutch	Fisher 15lb High Pressure Regulator*
12-Volt Deep Cycle Battery	Engine Fuel Source Filter Assembly*
Engine High Temp & Low Oil Gauge Assembly	Fisher oz. Low Pressure Regulator*

* Optional Equipment

Natural Gas Engines

Pumpmatic Engines					
Engine	Cooling System	Cylinders	Horsepower	Displacement cc	Weight lbs
Honda GX390	Air Cooled	1	Gasoline: 13hp @ 3600rpm Natural Gas: Data not available	390	68
Briggs & Stratton Vanguard	Air Cooled	2	Gasoline: 23hp @ 3600rpm Natural Gas: Data not available	627	77
Honda GX670	Air Cooled	2	Gasoline: 24hp @ 3600rpm Natural Gas: Data not available	670	95
Robin EH72D	Air Cooled	2	Gasoline: 25hp @ 3600rpm Natural Gas: 17hp @ 3600rpm	720	101
Kohler CH740	Air Cooled	2	Gasoline: 27hp @ 3600rpm Natural Gas: Data not available	725	94
Kubota DG972	Liquid Cooled	3	Gasoline: Data not available Natural Gas: 25hp @ 3600rpm	962	159
GM 3.0 Liter	Liquid Cooled	4	Gasoline: Data not available Natural Gas: 40hp @ 2200rpm	3000	363
GM 4.3 Liter	Liquid Cooled	6	Gasoline: Data not available Natural Gas: 61hp @ 2200rpm	4300	434

* Other engines are available upon request.



**Kohler
CH740**



**Kubota
DG972**



**GM
3.0 Liter**



**GM
4.3 Liter**

Drive Train					
Engine	Housing	Clutch Max Torque ft-lbs	Jackshaft Size	Inner Sheave	Outer Sheave
Honda GX390	Standard	175	1 ¼" X 25"	2B 8"	2B 4"
	Safety Guarded	175	1 ¼" X 32"	2B 8"	2B 4"
Briggs & Stratton Vanguard	Standard	175	1 ¼" X 25"	2B 8"	2B 4"
	Safety Guarded	175	1 ¼" X 32"	2B 8"	2B 4"
Honda GX670	Standard	175	1 ¼" X 25"	2B 12"	2C 6"
	Safety Guarded	175	1 ¼" X 32"	2B 8"	2B 4"
Robin EH72D	Standard	175	1 ¼" X 25"	2B 12"	2C 6"
	Safety Guarded	175	1 ¼" X 32"	2B 8"	2B 4"
Kohler CH740	Standard	175	1 ¼" X 25"	2B 12"	2C 6"
	Safety Guarded	175	1 ¼" X 32"	2B 8"	2B 4"
Kubota DG972	Standard	200	2" X 40"	2B 14"	3C 6"
	Safety Guarded	200	2" X 40"	2B 14"	3C 6"

* When applicable, larger Shaft and Sheave sizes may be used.

Drive Train

Metal Cages



Standard Metal Housing



Safety Guarded Housing

Pumpmatic Controller

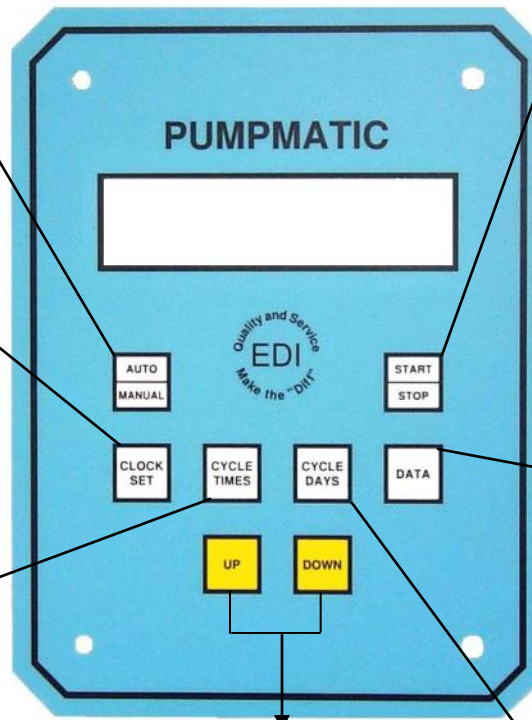
* After 20 failed start attempts or it reaches the low battery set point, the controller will put itself in manual mode.

* To run engine in automatic, key in engine must be in off position.

Auto/Manual; Manual, Real Time Cycles & Interval Timing: Press and hold the **Auto/Manual** button to see the current mode. To change modes, press the **Up** or **Down** button.

The **Clock Set** button sets the current **Time of Day** and **Day of Week**. Press and hold once for **Time of Day** and press and hold it again for **Day of Week**. Use the **Up** or **Down** buttons to change settings.

Scroll through the **Cycle Times** button until **Number of Cycles** appears on the screen. Use the **Up** or **Down** button to set the **Number of Cycles** the engine will run during a one day period. Press & hold the **Cycle Times** button again to set the **Cycle Run** time for the first cycle. Press & hold the **Cycle Times** button again to set the **Cycle Stop** time for the first cycle. Use the **Up** or **Down** button to set cycle times. Do this for each cycle entered. When done, screen should be back to the **Number of Cycles**. If using Interval Timing (selected with Auto/Manual button), press & hold the **Cycle Times** button to set the **Stop Time**. Use the **Up** or **Down** button to set the **Stop Time**. Press & hold the **Cycle Times** button again to set the **Run Time**. Use the **Up** or **Down** button to set the **Run Time**. Interval Timing will repeat these time periods.



Used to change all settings.

The Up and Down buttons can also be used to start and stop the engine. (This replaces the key switch function.) Pressing the Up button for three seconds engages the starter attempting to start the engine. (The LCD will read KEY START IN :03) Pressing the Down button will shut down the engine.

The **Start/Stop** button is used to manually start and stop the engine. To start the engine, the controller must be in manual mode. Press the **Start/Stop** button. To stop the engine in manual or automatic mode, press the **Start/Stop** button.

The controller will automatically place itself in manual mode if the engine is stopped with this button. The **Start/Stop** button can be used to engage or disengage the clutch. Stop engine with the key. The **Start/Stop** button can also be used to switch between Run Time and Stop Time if using Interval Timing.

Use the **Data** button to read **Engine Stalls, Engine Starts, Total Run Time, Engine RPM, Engine Battery voltage, and Engine Hr Meter. Engine Stalls, Engine Starts, Stop Delay Time, and Total Run Time** can be reset to zero by pushing the **Up** or **Down** button.

Cycle Days button allows cycle times to be turned on or off for each day of the week. Use the **Up** or **Down** button to turn the day of the week **On** or **Off**.

* Blue wording indicates LCD readout.

Distributed By:



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