

# CHEVOLAIR MOTORS, INC.

ARTHUR CHEVROLET, *President*

INDIANAPOLIS, IND.



Gentlemen:-

Complying with your letter received some time ago, requiring information on our CHEVOLAIR SUPER-SAFETY motors, we are enclosing a descriptive circular, giving you all the information required, such as weights, horse power, gas and oil consumption, installation dimensions and center of gravity on both the D-4, 4-cylinder, and D-6, 6-cylinder motors.

We are practically through with our experiments and are making arrangements for production. We will be able to make deliveries on both the 4 and 6-cylinder motors in about three to four months time, and are in a position to book orders on these motors on that basis.

As you will note, the 4-cylinder has an Approved Type Certificate #35, and while the 6-cylinder has not yet been approved, we expect to have it approved long before making any deliveries.

Our 6-cylinder motor has been thoroughly tested here at the factory both on the test stand and in the plane, and has shown remarkable results in all tests. The power curve on this motor runs as follows:

160 Horse Power at 1850 R.P.M.  
170 Horse Power at 2000 R.P.M.  
180 Horse Power at 2200 R.P.M.  
195 Horse Power at 2400 R.P.M.

This is considerably more than we are advertising in our circular. When we had the circular printed, we did not have the tests completed and did not want to make extravagant claims on horse power, but since running our tests, we know that the power runs as stated above. There is also a remarkable absence of vibration at any speed, and every pilot who has flown the ship with the motor in it has commented very favorably on the smoothness and powerful action of this motor. This motor has been through all its tests flights in a stock Travel Air biplane, 3-passenger open cockpit and has shown speeds of 130 to 140 miles per hour. The ship will fly on an even keel at 1500 R.P.M. and will reach 2400 R.P.M. in wide open throttle flight. The consumption of fuel has shown to be below .50 pounds of fuel per horse power hour and the oil consumption is from .02 to .03 pounds per horse power hour.

From the above we feel entirely satisfied that our 4-cylinder motor will develop 120 horse power at 2200 and while our rating is only 90 at the



*"The Heart of the Plane is Its Motor"*

present time, this was our first attempt and the motor has been improved to such an extent since then that we will guarantee 120 horse power on the 4-cylinder. We are planning to take the 4-cylinder motor back to Washington for another test later on.

We are expecting to send the 6-cylinder motor to the Bureau of Standards for its official tests in a week or two. We do not expect any difficulty in passing these tests, as this motor is exactly similar to the 4-cylinder which passed the tests O.K. The only difference is that there are two more cylinders.

We have improved both the 4 and 6-cylinder considerably, since passing this test, especially in refinements and better manifolding, which should assure the passage of the 6-cylinder motor without any difficulties. We; however, guarantee an Approved Type Certificate on any orders for our CHEVOLAIR 6-cylinder motor.

Now, in regard to prices, while it is still a little too early to set prices permanently, we can quote you tentative prices, which, of course, would stand in case you should place an order with us, but which may be subject to revision upward or downward, after our first bunch of production motors is completed. These prices are as follows;

CHEVOLAIR D-4, 4-cylinders, without starter or propeller,  
equipped with 2 Stromberg carburetors, 2 Robt. Bosch magnetos,  
and Champion or Bosch spark plugs. Price - - -\$1850.00

Scintilla magnetos and B.G. spark plugs optional equipment  
at slightly higher price.

CHEVOLAIR D-6, 6-cylinders, without starter or propeller,  
equipped with 2 Stromberg carburetors 2 Robt. Bosch magnetos,  
and Champion or Bosch spark plugs. Price - - -\$2500.00

Scintilla magnetos and B.G. spark plugs optional equipment  
at a slightly higher price.

Discounts are as follows:

On single orders up to four, - - - 10%  
On orders of five to nine, - - - 20%  
On orders of ten to twenty-four - - 25%

For larger quantities discounts will be quoted on special application.

Please note; all prices F.O.B. Indianapolis. All orders subject to a 20% deposit or satisfactory credit rating. All orders shipped C.O.D.

Should there be any further information required, we shall be very glad to answer any questions that you may care to ask.

Hoping that you may see fit to give the CHEVOLAIR SUPER-SAFETY motors a trial, at least, and that we may be favored with your orders, we remain

Yours very truly,  
CHEVOLAIR MOTORS, INC.,

*A. Chevrolet*  
President.