

# AIR COOLED PISTON COMPRESSORS



## Model Selection

- Define the predicted air volume required, plus 30% to allow for an appropriate duty cycle.
- Consider any predictable future increase in air volume demand as a result of such things as increased automation equipment.
- The correct selection will minimize capital and power consumption costs.

## Control System Selection

- **Automatic Unloader System “U” Type**  
The automatic unloading system allows for the control of loaded and unloaded compressor states through a range of pre-set pressure values.  
This system is recommended where the duty cycle exceeds 50%, and for all larger compressors units.
- **Pressure Switch System “P” Type**  
The automatic pressure switch will stop and start the compressor according to air demand. It is normally recommended for intermittent operation and smaller compressor units.



**HWP-310V**



**HVU-203E**



**HVP-203**

| Specification                          | MODEL                                  | H SERIES, ENGINE, HV SERIES, AIR COOLED PORTABLE TYPE |                          |             |            |            |            |
|--|--|---|--------------------------|-------------|------------|------------|------------|
|  |  | HVU-203<br>HVP-203                                    | HVU-203E                 | HVU-205E    | HVP-205V   | HWP-307V   | HWP-310V   |
| Motor / Engine                         | kw                                     | 2.2   | Honda GX160              | Yanmar L100 | 4          | 5.5        | 7.5        |
|  | hp                                     | 3   | 5.5                      | 10          | 5.5        | 7.5        | 10         |
| Working Pressure                       | kg/cm <sup>2</sup> /lb/in <sup>2</sup> | 12 / 175  | 12 / 175                 | 12 / 175    | 12 / 175   | 12 / 175   | 12 / 175   |
| Compressor Speed                       | rpm                                    | 960   | 960                      | 900         | 900        | 850        | 850        |
| F.A.D                                  | l/min                                  | 270   | 270                      | 406         | 442        | 633        | 830        |
| Tank Capacity                          | liter                                  | 237   | 175 / 237                | 237         | 300        | 300        | 300        |
| Compressor Block<br>Physical Dimension | LxWxH cm                               | 50x33x40  | 50x33x40                 | 56x38x46    | 56x38x46   | 62x48x53   | 65x48x54   |
|  | kg                                     | 47  | 47                       | 67          | 67         | 93         | 95         |
| Compressor Unit<br>Physical Dimension  | LxWxH cm                               | 147x55x110  | 110x55x110<br>147x55x110 | 147x55x110  | 110x56x175 | 120x67x187 | 120x67x187 |
|  | kg                                     | 205   | 220                      | 240         |            |            |            |