



## **Electric System - DC**

|                                                    |          |
|----------------------------------------------------|----------|
| System Voltage (Nominal).....                      | 12 V     |
| Battery Capacity for Ambients above 32°F (0°C)     |          |
| Voltage (Nominal).....                             | 12 V     |
| Qty. per Battery Bank.....                         | 1        |
| SAE size per J537.....                             | 4D - 640 |
| CCA at 0°F (-18°C).....                            | 640      |
| Reserve Capacity - Min.....                        | 280      |
| Battery Cable Circuit*, Max. Resistance - ohm..... | 0.0012   |
| Battery Cable Minimum Size                         |          |
| 0 - 120 in. Circuit* Length.....                   | 0        |
| 121 - 160 in. Circuit* Length.....                 | 0        |
| 161 - 200 in. Circuit* Length.....                 | 0        |
| Charging Alternator Output - Amp.....              | 55       |
| Starter Cranking Amps - at 60°F (15°C).....        | 400      |
| *Positive and Negative Cables Combined Length      |          |

## **Exhaust System**

|                                                                    | <b>1760</b> | <b>2100</b> | <b>2200</b> | <b>2350</b> | <b>2600</b> |
|--------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| Exhaust Flow - ft <sup>3</sup> /min (m <sup>3</sup> /min).....     | 329(9.3)    | 369(10.5)   | 404(11.4)   | 399(11.3)   | 426(12)     |
| Exhaust Temperature - °F (°C).....                                 | 1220(660)   | 1202(650)   | 1184(640)   | 1166(630)   | 1112(600)   |
| Max. Allowable Back Pressure - in. of H <sub>2</sub> O(kPa)...     | 24(6)       |             |             |             |             |
| Exhaust pipe Dia. In. (mm)** for further exhaust piping(Min.)..... | 4 (100)     |             |             |             |             |

## **Fuel System**

|                                                                                                     | <b>1760</b> | <b>2100</b> | <b>2200</b> | <b>2350</b> | <b>2600</b> |
|-----------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|
| Fuel Consumption - gal./hr. (L/hr.).....                                                            | 2.9(13)     | 3.2(14.7)   | 3.5(16)     | 3.5(16)     | 3.7(17)     |
| Fuel Return - gal./hr. (L/hr.).....                                                                 | 13(52)      | 14.7(59)    | 16(64)      | 16(64)      | 17(68)      |
| Total Supply Fuel Flow - gal./hr. (L/hr.).....                                                      | 15.9(63.6)  | 17.9(71.7)  | 19.5(78)    | 19.5(78)    | 20.7(83)    |
| Fuel Pressure - lb./in. <sup>2</sup> (kPa).....                                                     | 36.25(250)  |             |             |             |             |
| Fuel Supply Line Size(Min.) - in.(mm) .....                                                         | 0.5(12.7)   |             |             |             |             |
| Fuel Return Line Size(Min.) - in.(mm).....                                                          | 0.375(9.5)  |             |             |             |             |
| Max. Allowable Fuel Pump Suction With Clean Filter - in. H <sub>2</sub> O (m H <sub>2</sub> O)..... | 31(0.8)     |             |             |             |             |
| Max. Allowable Fuel Head Above Fuel Pump Supply or Return - m (ft.).....                            | 2.7(9)      |             |             |             |             |
| Fuel Filter Size - Micron.....                                                                      | 10          |             |             |             |             |

## **Heater System**

|                          |          |
|--------------------------|----------|
| Jacket Water Heater..... | Standard |
| Wattage (Nominal).....   | 1500     |
| Voltage - AC, 1P.....    | 240      |

Continued.....

**Induction Air System**

|  |             |             |             |             |             |
|--|-------------|-------------|-------------|-------------|-------------|
|  | <b>1760</b> | <b>2100</b> | <b>2200</b> | <b>2350</b> | <b>2600</b> |
|--|-------------|-------------|-------------|-------------|-------------|

|                                                     |                                           |          |          |          |          |
|-----------------------------------------------------|-------------------------------------------|----------|----------|----------|----------|
| Air Cleaner Type.....                               | Dry                                       |          |          |          |          |
| Air Intake Restriction Maximum Limit                |                                           |          |          |          |          |
| Dirty Air Cleaner - in. of Water (kPa).....         | 8(2) at 1760 rpm and 17(4.25) at 2600 rpm |          |          |          |          |
| Clean Air Cleaner - in. of Water (kPa)...           | 6(1.5)                                    |          |          |          |          |
| Engine Air Flow - ft.3/min. (m3/min).....           | 120(3.4)                                  | 135(3.8) | 138(3.9) | 146(4.1) | 155(4.4) |
| Air Temperature(At Engine Inlet) - °F (°C)*** ..... | 113(45) Max. Allowable                    |          |          |          |          |

**Lubrication System**

|                                                        |                             |
|--------------------------------------------------------|-----------------------------|
| Oil Pressure(Normal) - lb./in. <sup>2</sup> (kPa)..... | 36.26 to 72.52 (250 to 500) |
| Oil Temperature(In Pan) - °F (°C) (max.).....          | 230 - 248 (110 - 120)       |
| Oil Pan Capacity, High - L.....                        | 9.5                         |
| Low - L.....                                           | 8.5                         |
| Total Oil Capacity with filter - L.....                | 11.5                        |

**Performance**

|  |             |             |             |             |             |
|--|-------------|-------------|-------------|-------------|-------------|
|  | <b>1760</b> | <b>2100</b> | <b>2200</b> | <b>2350</b> | <b>2600</b> |
|--|-------------|-------------|-------------|-------------|-------------|

|                                        |                                         |           |           |           |           |
|----------------------------------------|-----------------------------------------|-----------|-----------|-----------|-----------|
| BMEP - lb./in. <sup>2</sup> (kPa)..... | 109(749)                                | 103(708)  | 104(715)  | 97(669)   | 91(629)   |
| Piston Speed - ft./min (m/min).....    | 1385(422)                               | 1653(504) | 1732(528) | 1850(564) | 2047(624) |
| Mechanical Noise - dB(A) at 1m.....    | 102 approx                              |           |           |           |           |
| Power Curve.....                       | Performance curve No. : EPC - UF07 - 00 |           |           |           |           |