

PERFORMANCE DATA MODEL E-50 COMPRESSOR

TWO STAGE – (2) 3.15” – 2.56” BORE x 2.36” STROKE

| Displacement CFM | RPM | | Discharge Pressure (PSIG) | | | | | | |
|---------------------|------|--------------------------|---------------------------|-------|-------|-------|-------|-------|-------|
| | | | 80 | 90 | 100 | 110 | 125 | 150 | 175 |
| 10.650 | 500 | Free Air Delivered (CFM) | 8.35 | 8.25 | 8.10 | 8.00 | 7.85 | 7.70 | 7.50 |
| | | HP Required | 2.33 | 2.34 | 2.35 | 2.37 | 2.40 | 2.54 | 2.75 |
| 11.715 | 550 | Free Air Delivered (CFM) | 9.20 | 9.10 | 9.05 | 8.92 | 8.80 | 8.60 | 8.45 |
| | | HP Required | 2.50 | 2.55 | 2.60 | 2.64 | 2.68 | 2.78 | 3.00 |
| 12.780 | 600 | Free Air Delivered (CFM) | 10.10 | 10.00 | 9.95 | 9.85 | 9.75 | 9.60 | 9.40 |
| | | HP Required | 2.70 | 2.77 | 2.81 | 2.88 | 2.95 | 3.09 | 3.28 |
| 13.845 | 650 | Free Air Delivered (CFM) | 10.95 | 10.90 | 10.85 | 10.76 | 10.65 | 10.53 | 10.35 |
| | | HP Required | 2.82 | 2.91 | 3.04 | 3.12 | 3.23 | 3.38 | 3.53 |
| 14.910 | 700 | Free Air Delivered (CFM) | 11.72 | 11.70 | 11.66 | 11.64 | 11.60 | 11.45 | 11.34 |
| | | HP Required | 3.04 | 3.15 | 3.26 | 3.34 | 3.46 | 3.65 | 3.78 |
| 15.975 | 750 | Free Air Delivered (CFM) | 12.55 | 12.54 | 12.53 | 12.52 | 12.51 | 12.42 | 12.30 |
| | | HP Required | 3.27 | 3.38 | 3.48 | 3.58 | 3.75 | 3.92 | 4.04 |
| 17.040 | 800 | Free Air Delivered (CFM) | 13.60 | 13.56 | 13.53 | 13.48 | 13.42 | 13.25 | 13.05 |
| | | HP Required | 3.48 | 3.57 | 3.68 | 3.78 | 3.92 | 4.11 | 4.28 |
| 18.105 | 850 | Free Air Delivered (CFM) | 14.60 | 14.58 | 14.52 | 14.44 | 14.30 | 14.08 | 13.80 |
| | | HP Required | 3.65 | 3.77 | 3.86 | 3.96 | 4.13 | 4.28 | 4.48 |
| 19.170 | 900 | Free Air Delivered (CFM) | 15.58 | 15.55 | 15.52 | 15.48 | 15.32 | 15.05 | 14.76 |
| | | HP Required | 3.88 | 3.97 | 4.09 | 4.20 | 4.39 | 4.58 | 4.79 |
| 20.235 | 950 | Free Air Delivered (CFM) | 16.55 | 16.52 | 16.51 | 16.50 | 16.25 | 15.95 | 15.76 |
| | | HP Required | 4.07 | 4.18 | 4.32 | 4.43 | 4.66 | 4.87 | 5.09 |
| 21.300 | 1000 | Free Air Delivered (CFM) | 17.36 | 17.35 | 17.34 | 17.32 | 17.12 | 16.80 | 16.65 |
| | | HP Required | 4.35 | 4.46 | 4.59 | 4.70 | 4.93 | 5.16 | 5.55 |
| 22.365 | 1050 | Free Air Delivered (CFM) | 18.16 | 18.15 | 18.14 | 18.13 | 18.00 | 17.70 | 17.55 |
| | | HP Required | 4.61 | 4.72 | 4.85 | 4.97 | 5.18 | 5.43 | 6.01 |

NOTE:

1. Maximum RPM for *continuous operation is **950**.
2. Maximum RPM for *intermittent operation is **1050**.

- * **CONTINUOUS OPERATION INDICATES SEMI-AUTOMATIC CONTROL BY PILOT VALVE.**
- * **INTERMITTENT OPERATION DICTATED BY FULL AUTOMATIC CONTROL WITH COMPRESSOR PROPERLY SIZED FOR THE CONNECTED LOAD WHEREBY THE COMPRESSOR WILL NOT REQUIRE A RUNNING CYCLE MORE THAN AN AVERAGE OF 65% OF THE TIME.**

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