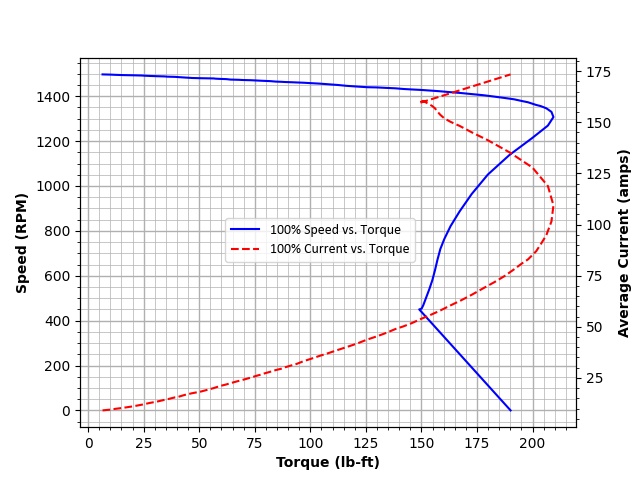
|  |  |
| --- | --- |
| Logo, company name  Description automatically generated | **Dedication Load Testing**  **Schulz Electric Job Number N-9330**  **CNAT Purchase Order Number EE20VA55392PA**  **20.0 HP Motor**  **ID Number 3G1F2003653029**  **Shop Instruction N-9330-LT, 100% Speed vs. Torque Characteristic Curves** |



|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Collected Data for 100% Voltage** | | | | | | | | | |
| **Torque**  **(lbf-ft)** | **Speed**  **(RPM)** | **Voltage** | | | | **Current** | | | |
| **Phase 1-2** | **Phase 1-3** | **Phase 2-3** | **Average** | **Phase 1** | **Phase 2** | **Phase 3** | **Average** |
| 6.5 | 1497.0 | 460.0 | 460.0 | 460.0 | 460.0 | 9.0 | 9.1 | 9.0 | 9.1 |
| 10.2 | 1496.0 | 460.0 | 460.0 | 460.0 | 460.0 | 9.5 | 9.6 | 9.5 | 9.5 |
| 12.5 | 1495.0 | 460.0 | 460.0 | 460.0 | 460.0 | 9.9 | 10.0 | 9.9 | 9.9 |
| 15.4 | 1494.0 | 460.0 | 460.0 | 460.0 | 460.0 | 10.3 | 10.3 | 10.3 | 10.3 |
| 20.3 | 1493.0 | 460.0 | 460.0 | 460.0 | 460.0 | 11.1 | 11.2 | 11.1 | 11.1 |
| 24.2 | 1492.0 | 460.0 | 460.0 | 460.0 | 460.0 | 12.0 | 11.9 | 11.8 | 11.9 |
| 25.8 | 1491.0 | 460.0 | 460.0 | 460.0 | 460.0 | 12.2 | 12.3 | 12.2 | 12.3 |
| 28.0 | 1490.0 | 460.0 | 460.0 | 460.0 | 460.0 | 12.7 | 12.8 | 12.7 | 12.8 |
| 31.0 | 1489.0 | 460.0 | 460.0 | 460.0 | 460.0 | 13.5 | 13.4 | 13.4 | 13.4 |
| 34.5 | 1488.0 | 460.0 | 460.0 | 460.0 | 460.0 | 14.2 | 14.3 | 14.2 | 14.3 |
| 35.5 | 1487.0 | 460.0 | 460.0 | 460.0 | 460.0 | 14.6 | 14.5 | 14.4 | 14.5 |
| 39.2 | 1486.0 | 460.0 | 460.0 | 460.0 | 460.0 | 15.4 | 15.5 | 15.5 | 15.5 |
| 40.5 | 1485.0 | 460.0 | 460.0 | 460.0 | 460.0 | 15.8 | 15.8 | 15.6 | 15.7 |
| 42.0 | 1484.0 | 460.0 | 460.0 | 460.0 | 460.0 | 16.2 | 16.2 | 16.2 | 16.2 |
| 43.6 | 1483.0 | 460.0 | 460.0 | 460.0 | 460.0 | 16.7 | 16.8 | 16.6 | 16.7 |
| 45.2 | 1482.0 | 460.0 | 460.0 | 460.0 | 460.0 | 17.2 | 17.1 | 17.0 | 17.1 |
| 46.8 | 1481.0 | 460.0 | 460.0 | 460.0 | 460.0 | 17.4 | 17.5 | 17.5 | 17.5 |
| 50.7 | 1480.0 | 460.0 | 460.0 | 460.0 | 460.0 | 18.3 | 18.4 | 18.2 | 18.3 |
| 56.5 | 1479.0 | 460.0 | 460.0 | 460.0 | 460.0 | 19.9 | 20.1 | 19.8 | 20.0 |
| 57.3 | 1478.0 | 460.0 | 460.0 | 460.0 | 460.0 | 20.3 | 20.2 | 20.2 | 20.3 |
| 59.3 | 1477.0 | 460.0 | 460.0 | 460.0 | 460.0 | 21.1 | 21.0 | 20.9 | 21.0 |
| 62.2 | 1476.0 | 460.0 | 460.0 | 460.0 | 460.0 | 21.8 | 21.9 | 21.6 | 21.8 |
| 64.0 | 1474.0 | 460.0 | 460.0 | 460.0 | 460.0 | 22.4 | 22.4 | 22.4 | 22.4 |
| 67.7 | 1473.0 | 460.0 | 460.0 | 460.0 | 460.0 | 23.6 | 23.4 | 23.4 | 23.5 |
| 69.5 | 1472.0 | 460.0 | 460.0 | 460.0 | 460.0 | 23.9 | 24.1 | 23.9 | 24.0 |
| 73.4 | 1471.0 | 460.0 | 460.0 | 460.0 | 460.0 | 25.1 | 25.3 | 25.1 | 25.2 |
| 75.4 | 1470.0 | 460.0 | 460.0 | 460.0 | 460.0 | 26.1 | 25.9 | 25.8 | 25.9 |
| 77.4 | 1469.0 | 460.0 | 460.0 | 460.0 | 460.0 | 26.3 | 26.6 | 26.5 | 26.5 |
| 79.7 | 1468.0 | 460.0 | 460.0 | 460.0 | 460.0 | 27.4 | 27.4 | 27.1 | 27.3 |
| 82.0 | 1467.0 | 460.0 | 460.0 | 460.0 | 460.0 | 27.9 | 28.0 | 28.0 | 28.0 |
| 84.4 | 1465.0 | 460.0 | 460.0 | 460.0 | 460.0 | 28.9 | 29.0 | 28.6 | 28.8 |
| 87.0 | 1464.0 | 460.0 | 460.0 | 460.0 | 460.0 | 29.6 | 29.5 | 29.5 | 29.5 |
| 88.7 | 1463.0 | 460.0 | 460.0 | 460.0 | 460.0 | 30.1 | 30.3 | 30.2 | 30.2 |
| 91.8 | 1462.0 | 460.0 | 460.0 | 460.0 | 460.0 | 31.1 | 31.2 | 31.2 | 31.2 |
| 94.0 | 1461.0 | 460.0 | 460.0 | 460.0 | 460.0 | 31.9 | 32.2 | 31.6 | 31.9 |
| 96.8 | 1460.0 | 460.0 | 460.0 | 460.0 | 460.0 | 33.2 | 33.1 | 33.0 | 33.1 |
| 100.2 | 1458.0 | 460.0 | 460.0 | 460.0 | 460.0 | 34.1 | 34.6 | 34.1 | 34.3 |
| 104.0 | 1456.0 | 460.0 | 460.0 | 460.0 | 460.0 | 35.8 | 35.7 | 35.5 | 35.7 |
| 108.1 | 1453.0 | 460.0 | 460.0 | 460.0 | 460.0 | 36.9 | 37.3 | 37.2 | 37.1 |
| 112.2 | 1450.0 | 460.0 | 460.0 | 460.0 | 460.0 | 38.6 | 38.8 | 38.4 | 38.6 |
| 116.4 | 1446.0 | 460.0 | 460.0 | 460.0 | 460.0 | 40.1 | 40.0 | 40.2 | 40.1 |
| 120.8 | 1443.0 | 460.0 | 460.0 | 460.0 | 460.0 | 41.6 | 41.9 | 41.7 | 41.7 |
| 125.5 | 1440.0 | 460.0 | 460.0 | 460.0 | 460.0 | 43.9 | 43.8 | 43.4 | 43.7 |
| 129.9 | 1439.0 | 460.0 | 460.0 | 460.0 | 460.0 | 45.3 | 45.2 | 45.4 | 45.3 |
| 133.9 | 1437.0 | 460.0 | 460.0 | 460.0 | 460.0 | 46.8 | 47.2 | 46.7 | 46.9 |
| 138.3 | 1435.0 | 460.0 | 460.0 | 460.0 | 460.0 | 49.1 | 48.9 | 48.7 | 48.9 |
| 141.9 | 1432.0 | 460.0 | 460.0 | 460.0 | 460.0 | 50.4 | 50.2 | 50.1 | 50.2 |
| 145.5 | 1430.0 | 460.0 | 460.0 | 460.0 | 460.0 | 51.4 | 52.0 | 51.6 | 51.7 |
| 149.5 | 1428.0 | 460.0 | 460.0 | 460.0 | 460.0 | 53.9 | 53.9 | 53.3 | 53.7 |
| 153.9 | 1425.0 | 460.0 | 460.0 | 460.0 | 460.0 | 55.7 | 55.7 | 55.8 | 55.7 |
| 158.2 | 1422.0 | 460.0 | 460.0 | 460.0 | 460.0 | 57.7 | 58.2 | 57.4 | 57.8 |
| 162.8 | 1418.0 | 460.0 | 460.0 | 460.0 | 460.0 | 60.6 | 60.2 | 60.1 | 60.3 |
| 167.8 | 1414.0 | 460.0 | 460.0 | 460.0 | 460.0 | 62.7 | 63.2 | 62.9 | 62.9 |
| 172.9 | 1409.0 | 460.0 | 460.0 | 460.0 | 460.0 | 66.0 | 66.3 | 65.2 | 65.8 |
| 178.1 | 1404.0 | 460.0 | 460.0 | 460.0 | 460.0 | 68.9 | 69.0 | 69.0 | 69.0 |
| 182.8 | 1398.0 | 460.0 | 460.0 | 460.0 | 460.0 | 71.4 | 72.4 | 71.5 | 71.8 |
| 187.4 | 1392.0 | 460.0 | 460.0 | 460.0 | 460.0 | 75.0 | 75.0 | 74.4 | 74.8 |
| 191.7 | 1386.0 | 460.0 | 460.0 | 460.0 | 460.0 | 77.7 | 78.1 | 78.4 | 78.1 |
| 195.4 | 1378.0 | 460.0 | 460.0 | 460.0 | 460.0 | 81.1 | 81.5 | 80.7 | 81.1 |
| 197.9 | 1373.0 | 460.0 | 460.0 | 460.0 | 460.0 | 83.2 | 83.3 | 82.3 | 82.9 |
| 201.6 | 1361.0 | 460.0 | 460.0 | 460.0 | 460.0 | 86.8 | 87.4 | 86.6 | 86.9 |
| 203.6 | 1356.0 | 460.0 | 460.0 | 460.0 | 460.0 | 90.8 | 90.0 | 89.7 | 90.2 |
| 206.2 | 1346.0 | 460.0 | 460.0 | 460.0 | 460.0 | 94.7 | 95.1 | 94.6 | 94.8 |
| 208.5 | 1330.0 | 460.0 | 460.0 | 460.0 | 460.0 | 101.9 | 102.1 | 100.4 | 101.5 |
| 209.4 | 1307.0 | 460.0 | 460.0 | 460.0 | 460.0 | 109.9 | 109.5 | 108.9 | 109.4 |
| 206.9 | 1269.0 | 460.0 | 460.0 | 460.0 | 460.0 | 118.4 | 119.8 | 118.1 | 118.8 |
| 199.9 | 1214.0 | 460.0 | 460.0 | 460.0 | 460.0 | 128.6 | 128.5 | 126.5 | 127.9 |
| 189.6 | 1138.0 | 460.0 | 460.0 | 460.0 | 460.0 | 135.7 | 135.2 | 135.0 | 135.3 |
| 179.9 | 1051.0 | 460.0 | 460.0 | 460.0 | 460.0 | 141.4 | 142.4 | 139.8 | 141.2 |
| 172.6 | 964.0 | 460.0 | 460.0 | 460.0 | 460.0 | 146.2 | 145.1 | 144.0 | 145.1 |
| 167.2 | 887.0 | 460.0 | 460.0 | 460.0 | 460.0 | 147.9 | 149.6 | 146.9 | 148.2 |
| 163.1 | 821.0 | 460.0 | 460.0 | 460.0 | 460.0 | 151.2 | 150.7 | 148.6 | 150.2 |
| 160.3 | 764.0 | 460.0 | 460.0 | 460.0 | 460.0 | 151.6 | 153.7 | 150.5 | 151.9 |
| 158.5 | 719.0 | 460.0 | 460.0 | 460.0 | 460.0 | 154.1 | 155.5 | 151.1 | 153.6 |
| 157.2 | 671.0 | 460.0 | 460.0 | 460.0 | 460.0 | 155.9 | 155.6 | 154.0 | 155.2 |
| 156.1 | 625.0 | 460.0 | 460.0 | 460.0 | 460.0 | 157.4 | 158.7 | 154.2 | 156.8 |
| 154.9 | 580.0 | 460.0 | 460.0 | 460.0 | 460.0 | 159.3 | 158.1 | 156.3 | 157.9 |
| 153.5 | 539.0 | 460.0 | 460.0 | 460.0 | 460.0 | 159.5 | 160.7 | 156.3 | 158.8 |
| 150.8 | 468.0 | 460.0 | 460.0 | 460.0 | 460.0 | 162.1 | 160.8 | 158.3 | 160.4 |
| 150.4 | 460.0 | 460.0 | 460.0 | 460.0 | 460.0 | 160.6 | 161.0 | 159.1 | 160.3 |
| 150.1 | 454.0 | 460.0 | 460.0 | 460.0 | 460.0 | 160.9 | 160.6 | 159.2 | 160.2 |
| 149.7 | 452.0 | 460.0 | 460.0 | 460.0 | 460.0 | 161.1 | 159.9 | 158.0 | 159.7 |
| 149.4 | 451.0 | 460.0 | 460.0 | 460.0 | 460.0 | 160.1 | 159.9 | 159.3 | 159.8 |
| 149.0 | 450.0 | 460.0 | 460.0 | 460.0 | 460.0 | 160.3 | 159.5 | 158.4 | 159.4 |
| 190.1 | 0.0 | 460.0 | 460.0 | 460.0 | 460.0 | 172.6 | 177.2 | 170.4 | 173.4 |