

Perfect Harmony System Performance

| Load (%) | VFD Efficiency (%) | Total Drive System Efficiency (%) <i>VFD and Transformer</i> | Power Factor |
|--|--------------------|---|--------------|
| 25 | 97.5 - 93.4 | 96.5 - 88.7 | 0.96 |
| 50 | 98.0 - 95.0 | 97.5 - 95.0 | 0.966 |
| 75 | 98.5 - 97.5 | 97.7 - 95.8 | 0.959 |
| 100 | 98.6 - 98.0 | 97.3 - 96.1 | 0.95 |
| <p>Notes</p> <p>The Perfect Harmony exceeds .95 power factor at normal operating speeds without external power-factor correction capacitors. It also provides more than 98 percent converter efficiency and 96 to 97.7 percent total drive system efficiency.</p> <p><i>Efficiency and power factor values are based on centrifugal load characteristics for torque and speed.</i></p> | | | |