

Payback For Automatic Motor Bases General Purpose - Fan Application

| Motor HP Rating | NEMA Motor Frame | Automatic Motor Base Part # | Automatic Motor Base List Price | kWh Used per year ¹ | kWh Saved per year with Automatic ² | Dollars Saved per year with Automatic ³ | Automatic Payback Time (in years) |
|-----------------|------------------|-----------------------------|---------------------------------|--------------------------------|--|--|-----------------------------------|
| 10 | 213/215 | 613 | \$375 | 70,000 | 770 | \$77 | 4.9 |
| 25 | 284/286 | 623 | \$636 | 168,500 | 1,854 | \$185 | 3.4 |
| 50 | 324/326 | DX925 | \$1,399 | 329,000 | 3,619 | \$362 | 3.9 |
| 75 | 364/365 | DX927 | \$1,919 | 486,500 | 5,352 | \$535 | 3.6 |
| 100 | 404/405 | DX929 | \$2,045 | 649,000 | 7,139 | \$714 | 2.9 |
| 150 | 444 | DX931 | \$2,618 | 963,500 | 10,599 | \$1,060 | 2.5 |
| 200 | 445 | DX931 | \$2,618 | 1,276,500 | 14,042 | \$1,404 | 1.9 |

¹ Assumes 8,000 hours/year for a 1,800 RPM TEFC motor. Source: US Department of Energy

² Based on 1.1% motor efficiency testing results for fans at Advanced Energy

³ Assumes \$0.1/kWh

Payback For Automatic Motor Bases Rock Crusher Application

| Motor HP Rating | NEMA Motor Frame | Automatic Motor Base Part # | Automatic Motor Base List Price | kWh Used per year ¹ | kWh Saved per year with Automatic ² | Dollars Saved per year with Automatic ³ | Automatic Payback Time (in years) |
|-----------------|------------------|-----------------------------|---------------------------------|--------------------------------|--|--|--|
| 25 | 284/286 | DD1123 | \$1,385 | 168,500 | 3,370 | \$270 | 5.1 |
| 50 | 324/326 | DD1125 | \$1,585 | 329,000 | 6,580 | \$526 | 3.0 |
| 75 | 364/365 | DD1127 | \$2,139 | 486,500 | 9,730 | \$778 | 2.7 |
| 100 | 404/405 | DD1129 | \$2,455 | 649,000 | 12,980 | \$1,038 | 2.4 |
| 150 | 444 | DD1131 | \$3,112 | 963,500 | 19,270 | \$1,542 | 2.0 |
| 200 | 445 | DD1131 | \$3,112 | 1,276,500 | 25,530 | \$2,042 | 1.5 |

¹ Assumes 4,000 hours/year for a 1,800 RPM TEFC motor. Source: US Department of Energy

² Based on 4.0% motor efficiency testing results for crushers at Advanced Energy

³ Assumes \$0.08/kWh