

## TM100B25 Drum Motor

## 0.25 HP

|                 |          |          |          |          |          |          |           |           |           |           |           |           |          |          |          |
|-----------------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|
| V (ft/min) M/G  | 409 4/S2 | 327 4/S2 | 291 4/S2 | 258 4/S2 | 227 4/S2 | 199 4/S2 | 177 4/PL2 | 157 4/PL2 | 149 4/PL2 | 132 4/PL2 | 111 4/PL2 | 106 4/PL2 | 93 4/PL2 | 83 4/PL2 | 69 4/PL2 |
| Belt Pull (lbf) | 20       | 25       | 28       | 32       | 36       | 41       | 47        | 52        | 55        | 63        | 74        | 78        | 88       | 100      | 119      |
| Drum RPM        | 397      | 317      | 282      | 250      | 220      | 193      | 172       | 152       | 145       | 128       | 108       | 103       | 90       | 81       | 67       |

|                 |          |          |          |          |          |          |          |          |          |
|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| V (ft/min) M/G  | 56 4/PL2 | 44 4/PL3 | 37 4/PL3 | 33 4/PL3 | 27 4/PL3 | 23 4/PL3 | 20 4/PL3 | 17 4/PL3 | 14 4/PL3 |
| Belt Pull (lbf) | 148      | 189      | 225      | 253      | 274      | 274      | 274      | 274      | 274      |
| Drum RPM        | 54       | 43       | 36       | 32       | 26       | 22       | 19       | 17       | 14       |

## 0.16 HP

|                 |          |          |          |           |           |           |           |           |           |          |          |          |          |          |          |
|-----------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|
| V (ft/min) M/G  | 258 4/S2 | 227 4/S2 | 199 4/S2 | 177 4/PL2 | 157 4/PL2 | 149 4/PL2 | 132 4/PL2 | 111 4/PL2 | 106 4/PL2 | 93 4/PL2 | 83 4/PL2 | 69 4/PL2 | 56 4/PL2 | 44 4/PL3 | 37 4/PL3 |
| Belt Pull (lbf) | 20       | 23       | 27       | 30        | 34        | 35        | 40        | 48        | 50        | 57       | 64       | 76       | 94       | 121      | 144      |
| Drum RPM        | 250      | 220      | 193      | 172       | 152       | 145       | 128       | 108       | 103       | 90       | 81       | 67       | 54       | 43       | 36       |

|                 |          |          |          |          |          |          |
|-----------------|----------|----------|----------|----------|----------|----------|
| V (ft/min) M/G  | 33 4/PL3 | 27 4/PL3 | 23 4/PL3 | 20 4/PL3 | 17 4/PL3 | 14 4/PL3 |
| Belt Pull (lbf) | 162      | 193      | 230      | 259      | 274      | 274      |
| Drum RPM        | 32       | 26       | 22       | 19       | 17       | 14       |

## 0.16 HP

|                 |          |          |          |          |          |          |           |          |          |          |          |          |          |          |          |
|-----------------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|
| V (ft/min) M/G  | 305 6/S2 | 273 6/S2 | 218 6/S2 | 194 6/S2 | 172 6/S2 | 152 6/S2 | 105 6/PL2 | 99 6/PL2 | 88 6/PL2 | 74 6/PL2 | 71 6/PL2 | 62 6/PL2 | 55 6/PL2 | 46 6/PL2 | 37 6/PL2 |
| Belt Pull (lbf) | 17       | 19       | 24       | 27       | 31       | 35       | 50        | 53       | 60       | 71       | 74       | 85       | 96       | 114      | 142      |
| Drum RPM        | 296      | 265      | 212      | 188      | 167      | 148      | 102       | 96       | 85       | 72       | 69       | 60       | 53       | 45       | 36       |

|                 |          |          |          |          |          |          |          |         |
|-----------------|----------|----------|----------|----------|----------|----------|----------|---------|
| V (ft/min) M/G  | 29 6/PL3 | 24 6/PL3 | 22 6/PL3 | 18 6/PL3 | 15 6/PL3 | 13 6/PL3 | 11 6/PL3 | 9 6/PL3 |
| Belt Pull (lbf) | 181      | 216      | 243      | 274      | 274      | 274      | 274      | 274     |
| Drum RPM        | 28       | 23       | 21       | 17       | 15       | 13       | 11       | 9       |

## 0.14 HP

|                 |          |          |          |           |           |           |           |           |           |          |          |          |          |          |          |
|-----------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|
| V (ft/min) M/G  | 258 4/S2 | 227 4/S2 | 199 4/S2 | 177 4/PL2 | 157 4/PL2 | 149 4/PL2 | 133 4/PL2 | 111 4/PL2 | 106 4/PL2 | 93 4/PL2 | 83 4/PL2 | 69 4/PL2 | 56 4/PL2 | 44 4/PL3 | 37 4/PL3 |
| Belt Pull (lbf) | 18       | 20       | 23       | 26        | 29        | 31        | 35        | 42        | 42        | 50       | 56       | 67       | 83       | 106      | 126      |
| Drum RPM        | 250      | 220      | 193      | 172       | 152       | 145       | 128       | 108       | 103       | 90       | 81       | 67       | 54       | 43       | 36       |

|                 |          |          |          |          |          |          |
|-----------------|----------|----------|----------|----------|----------|----------|
| V (ft/min) M/G  | 33 4/PL3 | 27 4/PL3 | 23 4/PL3 | 20 4/PL3 | 17 4/PL3 | 14 4/PL3 |
| Belt Pull (lbf) | 142      | 169      | 201      | 227      | 271      | 274      |
| Drum RPM        | 32       | 26       | 22       | 19       | 17       | 14       |

V = Belt Speed (ft/min)

M/G = Motor/Gear Reducer Configuration (at rated horsepower)

High Speed  
Low Torque

Low Speed  
High Torque

## TM100B25 Drum Motor

## 0.11 HP

|                 |          |          |          |           |           |          |          |          |          |          |          |          |          |          |          |
|-----------------|----------|----------|----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| V (ft/min) M/G  | 194 6/S2 | 172 6/S2 | 151 6/S2 | 118 6/PL2 | 105 6/PL2 | 99 6/PL2 | 88 6/PL2 | 74 6/PL2 | 71 6/PL2 | 62 6/PL2 | 55 6/PL2 | 46 6/PL2 | 37 6/PL2 | 29 6/PL3 | 24 6/PL3 |
| Belt Pull (lbf) | 19       | 21       | 24       | 31        | 35        | 36       | 41       | 49       | 51       | 58       | 66       | 79       | 97       | 125      | 148      |
| Drum RPM        | 188      | 167      | 147      | 115       | 102       | 96       | 85       | 72       | 69       | 60       | 53       | 45       | 36       | 28       | 23       |

|                 |          |          |          |          |          |         |
|-----------------|----------|----------|----------|----------|----------|---------|
| V (ft/min) M/G  | 22 6/PL3 | 18 6/PL3 | 15 6/PL3 | 13 6/PL3 | 11 6/PL3 | 9 6/PL3 |
| Belt Pull (lbf) | 167      | 200      | 237      | 267      | 274      | 274     |
| Drum RPM        | 21       | 17       | 15       | 13       | 11       | 9       |

V = Belt Speed (ft/min)

M/G = Motor/Gear Reducer Configuration (at rated horsepower)

High Speed  
Low Torque

Low Speed  
High Torque