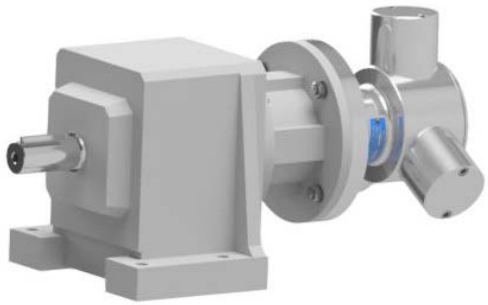
## Key Data: Dynatork 3 - Motor Ref: 975.35

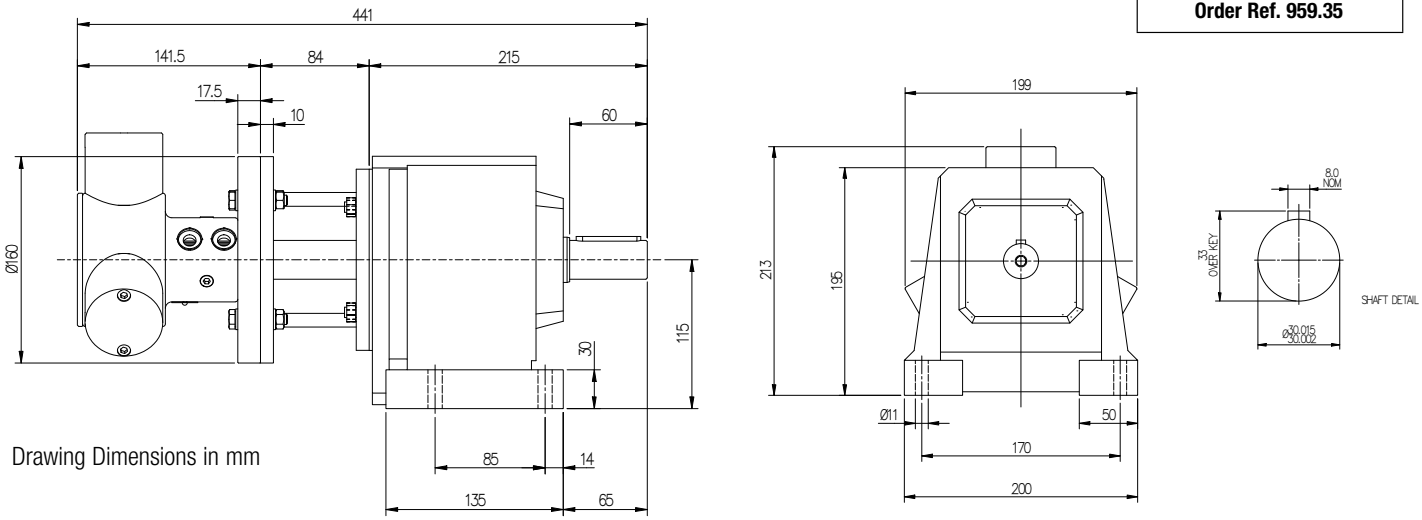
| | |
|---|---|
| Output shaft diameter (in) | 1.181 |
| Output shaft effective length (in) | 2.36 |
| Maximum radial shaft load (lb) | 674 |
| at (L) distance from face (in) | 1.181 |
| Max. continuous output torque (in.lb) | 1770 |
| Weight (kg) | 73.5 |
| Lubrication | Non-Lube: for use with a dry, clean, non-lubricated air supply (can be used in lubricated system) |



- **Helical gears for arduous and continuous running**
- **Ratios from 4.67:1 to 70.32**
- **Output speeds from 1.42 to 107.1 rev/min**
- **Maximum continuous output torque 1770 in.lb**

**Piston Service Kit**

**Order Ref. 959.35**




Drawing Dimensions in mm

| Speed/Ratio Selection | | Ratio Order Ref | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Motor ref: | 975.35 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 |
| Ratio:1 / rev/min | | 4.67 | 8.2 | 10.26 | 12.3 | 15.3 | 20.58 | 24.64 | 30.60 | 40.85 | 56.42 | 70.32 |
| 500 | • | 107.1 | 61.0 | 48.7 | 40.7 | 32.7 | 24.3 | 20.3 | 16.3 | 12.2 | 8.86 | 7.11 |
| 400 | • | 85.7 | 48.8 | 39.0 | 32.5 | 26.1 | 19.4 | 16.2 | 13.0 | 9.8 | 7.09 | 5.69 |
| 300 | • | 64.2 | 36.6 | 29.2 | 24 | 19.61 | 14.6 | 12.2 | 9.8 | 7.3 | 5.32 | 4.27 |
| 200 | • | 42.8 | 24.4 | 19.5 | 16.3 | 13.1 | 9.7 | 8.1 | 6.5 | 4.9 | 3.54 | 2.84 |
| 100 | • | 21.4 | 12.2 | 9.7 | 8.1 | 6.5 | 4.9 | 4.1 | 3.3 | 2.4 | 1.7 | 1.42 |

**HOW TO ORDER**

Combine the MOTOR REF. with the RATIO ORDER REF. found in the Speed/Ratio selection table, eg - **975.35.06 = non lube, 20.58:1 ratio**

### For Output Torque

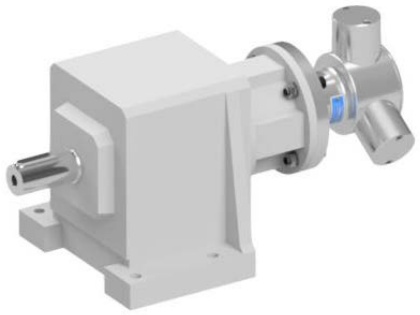
1 Locate the motor speed on the torque/speed graph on page 6 (size 3)

2 Select the appropriate input air pressure curve and, for the chosen speed, read off the torque on the vertical axis

3 Multiply this value by the chosen ratio to give the output torque

## Key Data: Dynatork 3 - Motor Ref: 976.35

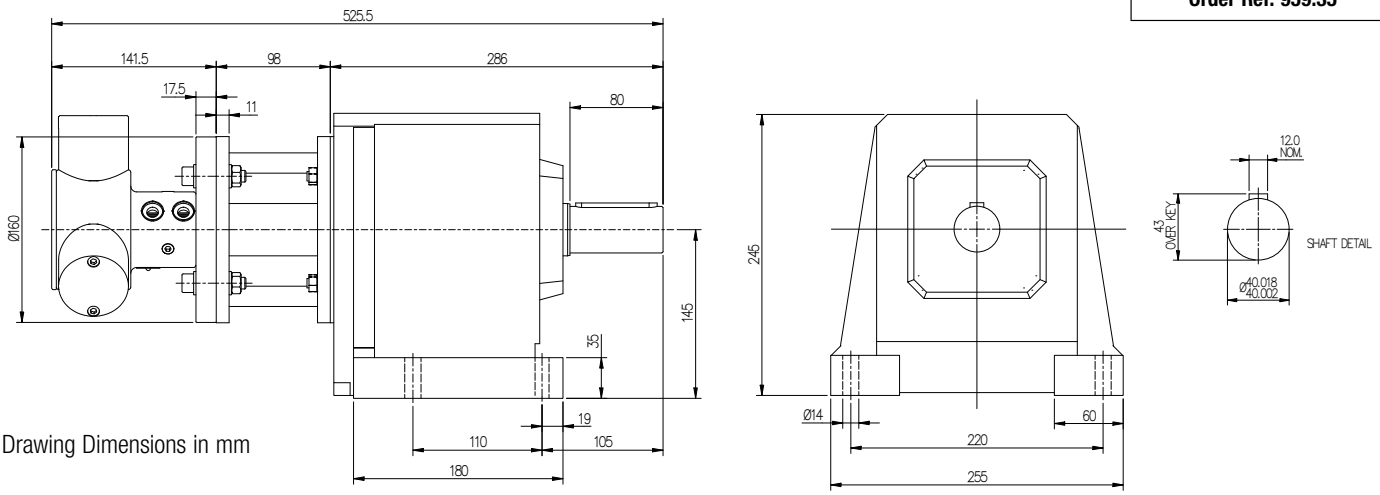
| | |
|---|---|
| Output shaft diameter (in) | 1.575 |
| Output shaft effective length (in) | 3.15 |
| Maximum radial shaft load (lb) | 15.73 |
| at (L) distance from face (in) | 1.575 |
| Max. continuous output torque (in.lb) | 4865 |
| Weight (lb) | 107 |
| Lubrication | Non-Lube: for use with a dry, clean, non-lubricated air supply (can be used in lubricated system) |



- **Helical gears for arduous and continuous running**
- **Ratios from 25:1 to 69.88:1**
- **Output speeds from 1.43 to 20 rev/min**
- **Maximum continuous output torque 4865 in.lb**

**Piston Service Kit**

**Order Ref. 959.35**




Drawing Dimensions in mm

| Speed/Ratio Selection | | Ratio Order Ref | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Motor ref: | 976.35 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 |
| Ratio:1 / rev/min | | 25 | 31 | 34.8 | 41.71 | 46.67 | 50.2 | 56.1 | 62.5 | 69.88 |
| 500 | • | 20 | 16.1 | 14.4 | 12.0 | 10.7 | 9.96 | 8.91 | 8.00 | 7.16 |
| 400 | • | 16 | 12.9 | 11.5 | 9.6 | 8.6 | 7.97 | 7.13 | 6.40 | 5.72 |
| 300 | • | 12 | 9.7 | 8.6 | 7.2 | 6.4 | 5.98 | 5.35 | 4.80 | 4.29 |
| 200 | • | 8 | 6.5 | 5.7 | 4.8 | 4.3 | 3.98 | 3.57 | 3.20 | 2.86 |
| 100 | • | 4 | 3.2 | 2.9 | 2.4 | 2.1 | 1.99 | 1.78 | 1.60 | 1.43 |

**HOW TO ORDER**

Combine the MOTOR REF. with the RATIO ORDER REF. found in the Speed/Ratio selection table, eg - **976.35.06**

**= non lube, 50.2:1 ratio**

### For Output Torque

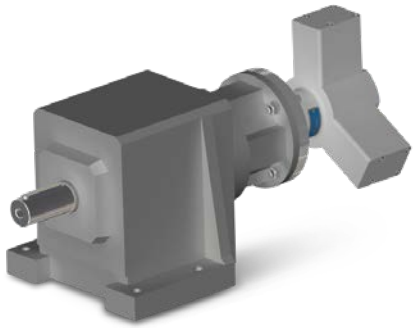
1 Locate the motor speed on the torque/speed graph on page 6 (size 3)

2 Select the appropriate input air pressure curve and, for the chosen speed, read off the torque on the vertical axis

3 Multiply this value by the chosen ratio to give the output torque

## Key Data: Dynatork 7 - Motor Ref: 937.75

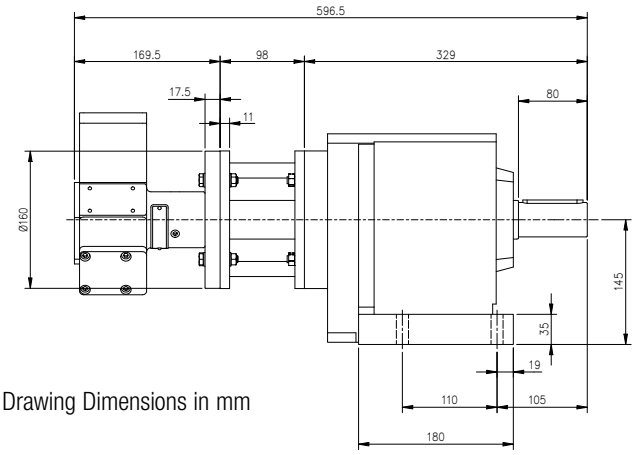
| | |
|---|---|
| Output shaft diameter (in) | 1.575 |
| Output shaft effective length (in) | 3.15 |
| Maximum radial shaft load (lb) | 1573 |
| at (L) distance from face (in) | 1.575 |
| Max. continuous output torque (in.lb) | 4865 |
| Weight (lb) | 107 |
| Lubrication | Non-Lube: for use with a dry, clean, non-lubricated air supply (can be used in lubricated system) |



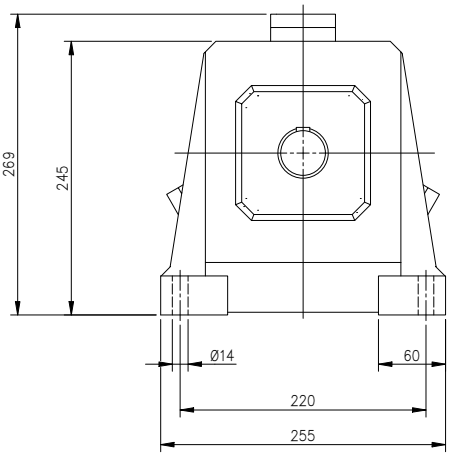
- **Helical gears for arduous and continuous running**
- **Ratios from 80:81 to 270.2:1**
- **Output speeds from 0.37 to 4.95 rev/min**
- **Maximum continuous output torque 4865 in.lb**

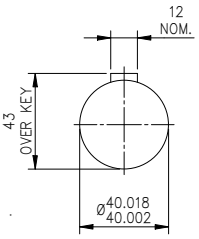
**Piston Service Kit**

**Order Ref. 959.75**




Drawing Dimensions in mm




SHAFT DETAILS

| Speed/Ratio Selection | | Ratio Order Ref | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Motor ref: | 937.75 | 01 | 02 | 03 | 04 | 05 | 06 | 07 |
| Ratio:1 / rev/min | | 80.81 | 90.32 | 107.7 | 134.6 | 180.4 | 216.9 | 270.2 |
| 400 | • | 4.95 | 4.43 | 3.71 | 2.97 | 2.22 | 1.84 | 1.48 |
| 300 | • | 3.7 | 3.32 | 2.79 | 2.23 | 1.66 | 1.38 | 1.11 |
| 200 | • | 2.47 | 2.21 | 1.86 | 1.49 | 1.11 | 0.92 | 0.74 |
| 100 | • | 1.24 | 1.11 | 0.93 | 0.74 | 0.55 | 0.46 | 0.37 |

**HOW TO ORDER**

Combine the MOTOR REF. with the RATIO ORDER REF. found in the Speed/ Ratio selection table, eg - **937.75.06 = non lube, 216.9:1 ratio**

### For Output Torque

1 Locate the motor speed on the torque/speed graph on page 8

2 Select the appropriate input air pressure curve and, for the chosen speed, read off the torque on the vertical axis

3 Multiply this value by the chosen ratio to give the output torque