

# ACI-400FD AC Industrial Gearmotor



## FEATURES

- **Flange-Mount Gearmotor**
- **Power: 400 Watts**
- **Gear Ratios from 5:1 to 200:1**
- **Frequency: 60Hz**
- **Three-Phase Operation**
- **IP55 Rated**
- **Class F Insulation**
- **High Starting Torque for High Inertia Loads**
- **Long Lifetime**



## DESCRIPTION

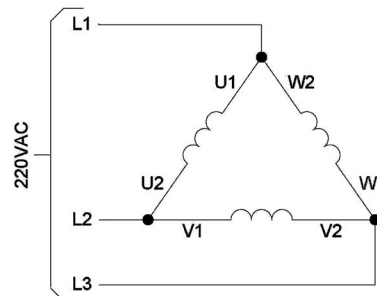
Anaheim Automation's Industrial Gearmotors offer high-quality and affordability with a wide variety of options to choose from. These 400 Watt gearmotors are offered in the flange mounting option with a top-located terminal box and brake, and are available in a variety of sizes and gear ratios. They run off of a three-phase power supply, and depending on the wiring configuration can operate at 220VAC or 380VAC. For assistance in selecting the appropriate AC Industrial Gearmotor, please contact an Anaheim Automation Applications Engineer.

## SPECIFICATIONS

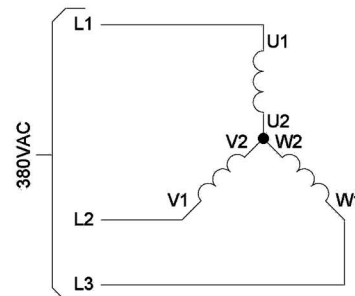
|                   |              |                   |                                |
|-------------------|--------------|-------------------|--------------------------------|
| Capacitor: uF/VAC | Not Required | Duty Cycle:       | Continuous                     |
| Phase:            | Three-Phase  | Ambient Temp:     | -10°C ~ 40°C                   |
| Frequency:        | 60Hz         | Ambient Humidity: | Under 85% without Condensation |
| AC Gearmotor Type | Industrial   | Insulation Rating | F (155°C)                      |

## WIRING DIAGRAMS

**220VAC WIRING FOR ACI GEARMOTORS**



**380VAC WIRING FOR ACI GEARMOTORS**



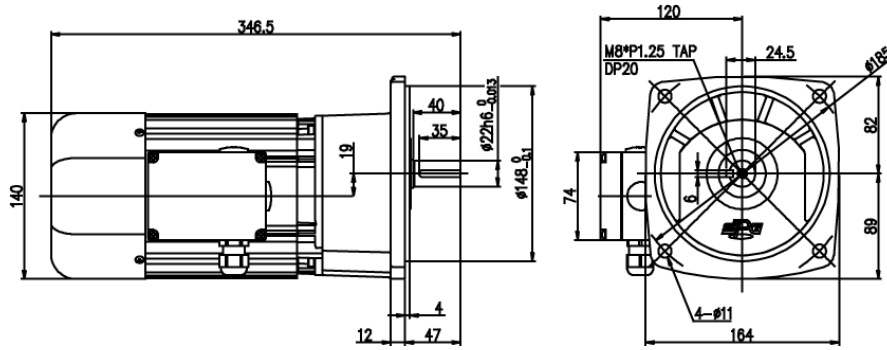
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| Model #            | Gear Ratio | Output Shaft Diameter (mm) | Rated Torque (oz-in) | Gearmotor Speed (RPM) | Permissible OHL (lbs) | Input Voltage (VAC) | Current (A) | Gearmotor Length (in) | Weight (lbs) |
|--------------------|------------|----------------------------|----------------------|-----------------------|-----------------------|---------------------|-------------|-----------------------|--------------|
| ACI-400FDRT-22-005 | 5:1        | 22                         | 1,416                | 346                   | 198                   | 220/380             | 2.0/1.2     | 10.6                  | 20.5         |
| ACI-400FDRT-22-010 | 10:1       | 22                         | 2,973                | 173                   | 265                   | 220/380             | 2.0/1.2     | 10.6                  | 20.5         |
| ACI-400FDRT-22-015 | 15:1       | 22                         | 4,248                | 115                   | 308                   | 220/380             | 2.0/1.2     | 10.6                  | 20.5         |
| ACI-400FDRT-22-020 | 20:1       | 22                         | 5,664                | 87                    | 330                   | 220/380             | 2.0/1.2     | 10.6                  | 20.5         |
| ACI-400FDRT-22-025 | 25:1       | 22                         | 7,080                | 69                    | 375                   | 220/380             | 2.0/1.2     | 10.6                  | 20.5         |
| ACI-400FDRT-28-030 | 30:1       | 28                         | 8,638                | 58                    | 506                   | 220/380             | 2.0/1.2     | 11.1                  | 25.6         |
| ACI-400FDRT-28-040 | 40:1       | 28                         | 11,045               | 43                    | 638                   | 220/380             | 2.0/1.2     | 11.1                  | 25.6         |
| ACI-400FDRT-28-050 | 50:1       | 28                         | 13,877               | 35                    | 706                   | 220/380             | 2.0/1.2     | 11.1                  | 25.6         |
| ACI-400FDRT-28-060 | 60:1       | 28                         | 16,568               | 29                    | 771                   | 220/380             | 2.0/1.2     | 11.1                  | 25.6         |
| ACI-400FDRT-28-080 | 80:1       | 28                         | 22,091               | 22                    | 771                   | 220/380             | 2.0/1.2     | 11.1                  | 25.6         |
| ACI-400FDRT-28-100 | 100:1      | 28                         | 22,799               | 17                    | 771                   | 220/380             | 2.0/1.2     | 11.1                  | 25.6         |
| ACI-400FDRT-32-100 | 100:1      | 32                         | 27,614               | 17                    | 1,101                 | 220/380             | 2.0/1.2     | 11.4                  | 32.6         |
| ACI-400FDRT-32-120 | 120:1      | 32                         | 33,137               | 14                    | 1,322                 | 220/380             | 2.0/1.2     | 11.4                  | 32.6         |
| ACI-400FDRT-32-160 | 160:1      | 32                         | 44,324               | 11                    | 1,322                 | 220/380             | 2.0/1.2     | 11.4                  | 32.6         |
| ACI-400FDRT-32-200 | 200:1      | 32                         | 55,228               | 9                     | 1,322                 | 220/380             | 2.0/1.2     | 11.4                  | 32.6         |
| ACI-400FDXT-22-005 | 5:1        | 22                         | 1,416                | 343                   | 198                   | 400/440             | 1.0/1.0     | 10.6                  | 20.5         |
| ACI-400FDXT-22-010 | 10:1       | 22                         | 2,973                | 172                   | 265                   | 400/440             | 1.0/1.0     | 10.6                  | 20.5         |
| ACI-400FDXT-22-015 | 15:1       | 22                         | 4,248                | 114                   | 308                   | 400/440             | 1.0/1.0     | 10.6                  | 20.5         |
| ACI-400FDXT-22-020 | 20:1       | 22                         | 5,664                | 89                    | 330                   | 400/440             | 1.0/1.0     | 10.6                  | 20.5         |
| ACI-400FDXT-22-025 | 25:1       | 22                         | 7,080                | 69                    | 375                   | 400/440             | 1.0/1.0     | 10.6                  | 20.5         |
| ACI-400FDXT-28-030 | 30:1       | 28                         | 8,638                | 57                    | 506                   | 400/440             | 1.0/1.0     | 11.1                  | 25.6         |
| ACI-400FDXT-28-040 | 40:1       | 28                         | 11,045               | 43                    | 638                   | 400/440             | 1.0/1.0     | 11.1                  | 25.6         |
| ACI-400FDXT-28-050 | 50:1       | 28                         | 13,877               | 34                    | 706                   | 400/440             | 1.0/1.0     | 11.1                  | 25.6         |
| ACI-400FDXT-28-060 | 60:1       | 28                         | 16,568               | 29                    | 771                   | 400/440             | 1.0/1.0     | 11.1                  | 25.6         |
| ACI-400FDXT-28-080 | 80:1       | 28                         | 22,091               | 21                    | 771                   | 400/440             | 1.0/1.0     | 11.1                  | 25.6         |
| ACI-400FDXT-28-100 | 100:1      | 28                         | 22,799               | 17                    | 771                   | 400/440             | 1.0/1.0     | 11.1                  | 25.6         |
| ACI-400FDXT-32-100 | 100:1      | 32                         | 27,614               | 17                    | 1,101                 | 400/440             | 1.0/1.0     | 11.4                  | 32.6         |
| ACI-400FDXT-32-120 | 120:1      | 32                         | 33,137               | 14                    | 1,322                 | 400/440             | 1.0/1.0     | 11.4                  | 32.6         |
| ACI-400FDXT-32-160 | 160:1      | 32                         | 44,324               | 11                    | 1,322                 | 400/440             | 1.0/1.0     | 11.4                  | 32.6         |

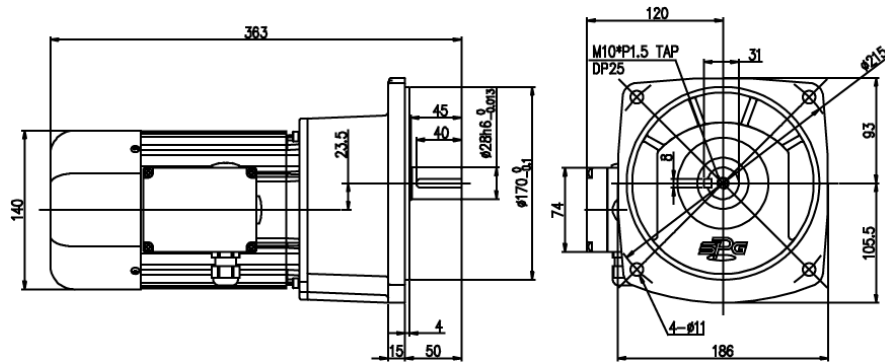
Note: Ratios 5:1 through 30:1 the gearbox output shaft spins in the same direction as the motor. Ratios 40:1 through 200:1 the gearbox output shaft spins in the opposite direction.

Note: Application of Permissible Overhung Load (OHL) is based on the center of output shaft extraction length.

**ACI-400FDxL-22-xxx**



**ACI-400FDxL-28-xxx**



**ACI-400FDxL-32-xxx**

