

The QF gearmotor is ideal for a wide variety of product applications because of its dependability. It comes with a broad selection of gearing and custom modifications.

### SPECIFICATIONS & CONSTRUCTION

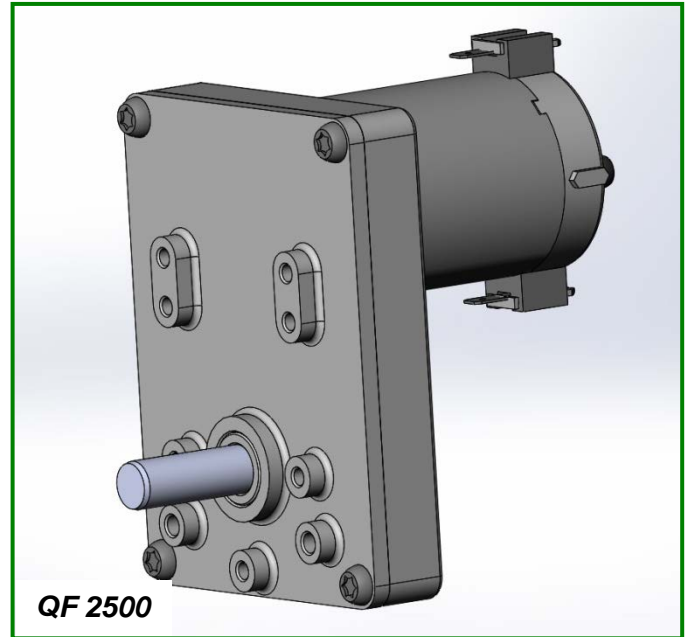
- Type:** Zinc die cast DC gearmotor
- Output speeds:** 5 to 300 RPM
- Voltage:** 6Vdc – 36Vdc
- Bearings:** Self-aligning sintered bronze
- Termination:** Spade terminals or lead wires
- Duty Cycle:** Intermittent
- Motors Available:** 500, 2500, LY
- Insulation Class:** 500, 2500 = B; LY=F
- Rotation:** Reversible
- Cover:** Die cast
- Lubrication:** Synthetic Grease
- Regulatory Approvals:** RoHs

### TYPICAL APPLICATIONS

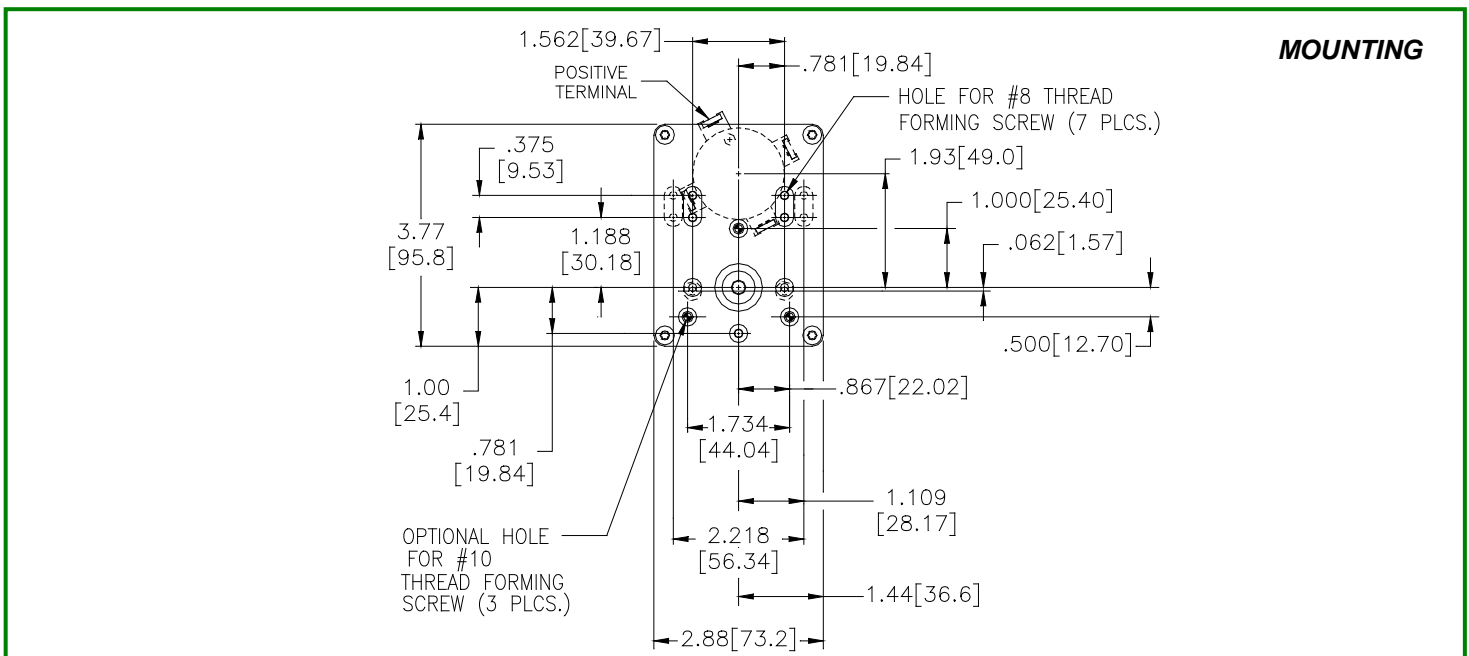
- Valve Actuators
- Material Handling
- Banking equipment
- Business equipment
- Food Service Equipment
- Pumps

### OPTIONAL FEATURES

- Customized output shafts including dual output
- Various lead lengths, terminals and connectors
- Brakes: Electromagnetic
- Output Needle bearings for high radial loads
- Ball bearing for motor
- EMI Filtering: Internal and External Suppression
- Magnetic Encoder: 2 to 12 PPR Resolution
- Optical or Capacitive: Up to 2048 PPR Resolution

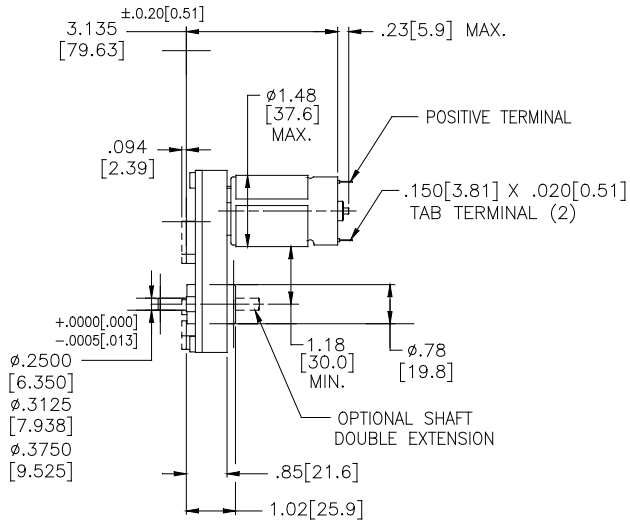


**Maximum Permissible Torque: 125 In.Lb (14.1 Nm)**  
**Speed: Up to 300 RPM**  
*Note: Speed and torque combinations will vary depending on the motor/gearbox combination.*



# QF SERIES PARALLEL SHAFT DC GEARMOTORS *Nidec* -All for dreams

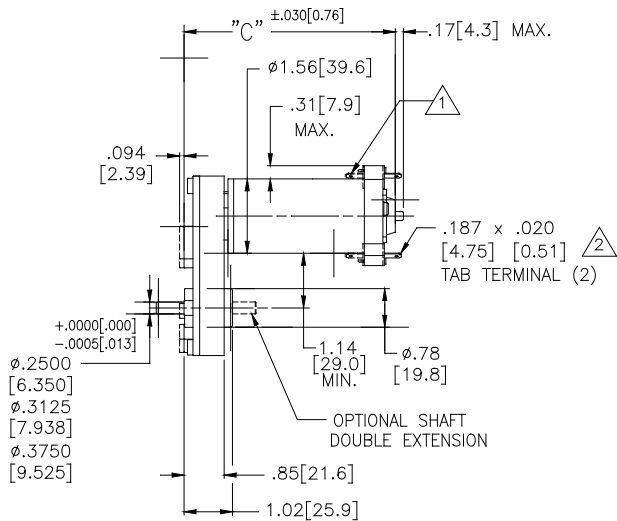
QF500



**NOTES:**

1. BROKEN LINES REPRESENT OPTIONAL MOUNTINGS.
2. TERMINAL ORIENTATION IS SUBJECT TO APPLICATION.

QF2500



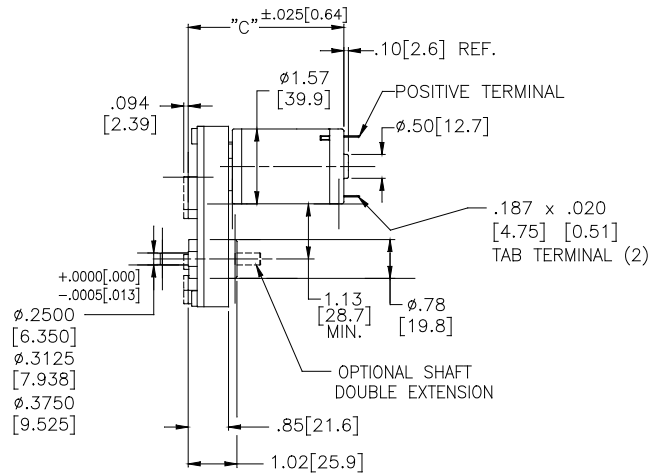
MOTOR MODEL	"A" DIM
2508	3.067[77.90]
2512	3.317[84.25]
2518	3.692[93.78]
2524	4.067[103.30]
2532	4.567[116.00]

**NOTES:**

1. OPTIONAL TERMINAL PROJECTION (INWARD).
2. OPTIONAL .110[2.79] x .020[.51] TERMINALS.
3. BROKEN LINES REPRESENT OPTIONAL MOUNTINGS.

# QF SERIES PARALLEL SHAFT DC GEARMOTORS *Nidec* -All for dreams

QFLY



MOTOR MODEL	"A" DIM
LY-4X (1/2")	2.992 [76.00]
LY-6X (3/4")	3.242 [82.35]
LY-8X (1")	3.492 [88.70]
LY-CX (1-1/2")	3.992 [101.40]

## NOTES:

1. BROKEN LINES REPRESENT OPTIONAL MOUNTINGS.
2. TERMINAL ORIENTATION IS SUBJECT TO APPLICATION.