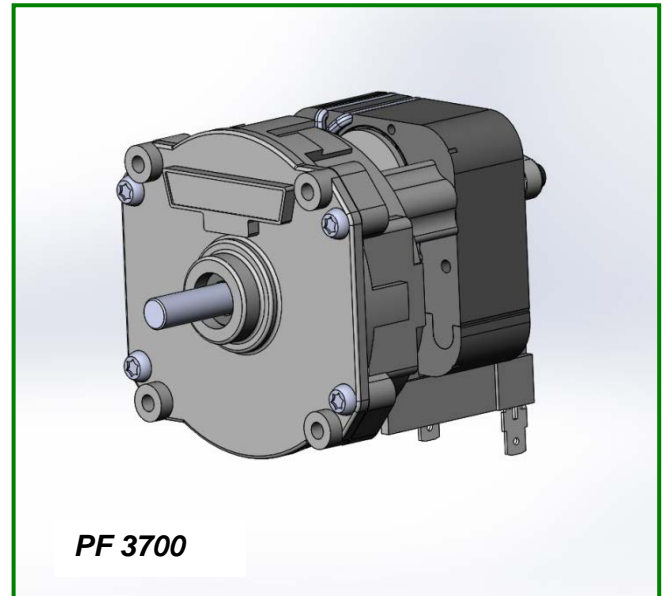


The PF series is designed to provide maximum power in a compact space. It comes with a convenient center shaft location.

### SPECIFICATIONS & CONSTRUCTION

**Type:** Zinc die cast AC gearmotor  
**Output speeds:** 10 to 125 RPM  
**Voltage:** 24V to 230V, 50 or 60 Hz  
**Bearings:** Self-aligning sintered bronze  
**Termination:** Spade terminals or lead wires  
**Protection:** Impedance or thermally protected  
**Duty Cycle:** Intermittent  
**Motors Available:** 3400, 3700, 4400, 4500  
**Rotation:** Unidirectional  
**Cover:** Die cast  
**Lubrication:** Synthetic Grease  
**Regulatory Approvals:** UL, CSA, CE, RoHs



### TYPICAL APPLICATIONS

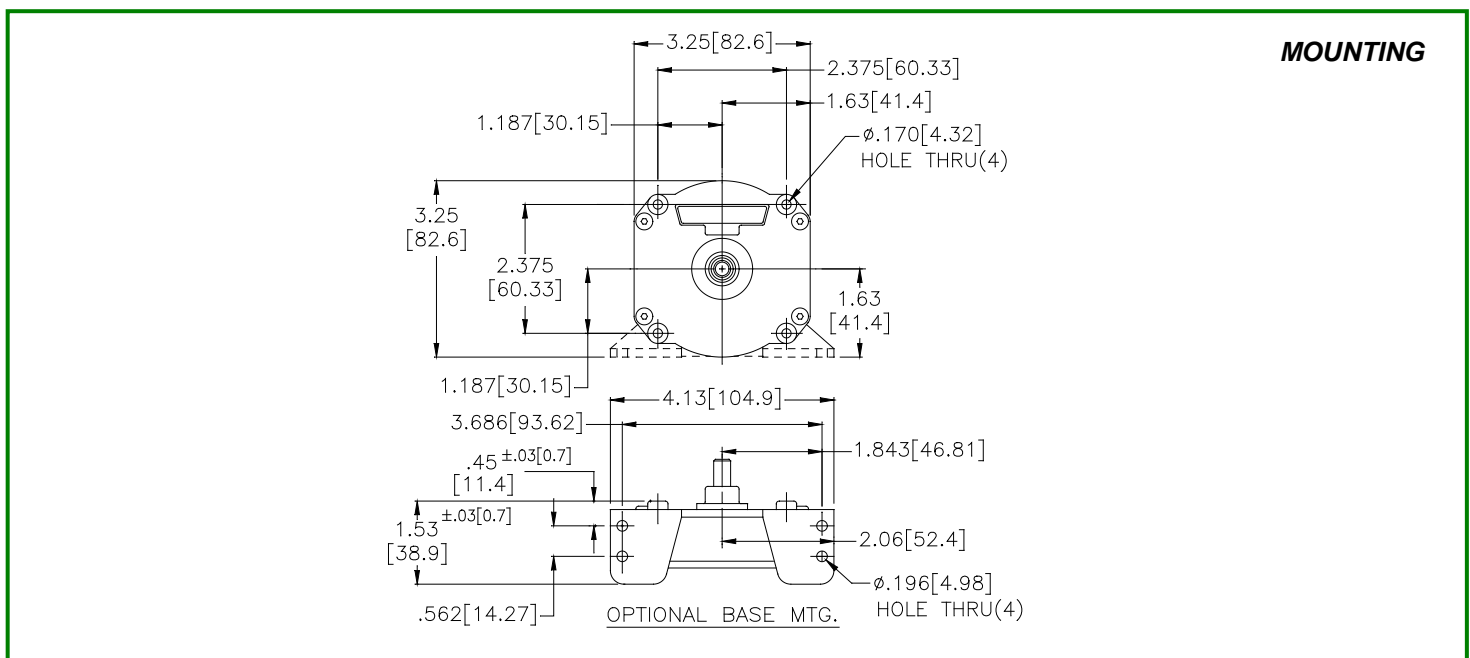
- Packaging Equipment
- Pumps
- Ware Washing
- Displays
- Food Service Equipment
- Conveyors

**Maximum Permissible Torque: 60 In.Lb (6.8 Nm)**  
**Speed: Up to 125 RPM**

*Note: Speed and torque combinations will vary depending on the motor/gearbox combination.*

### OPTIONAL FEATURES

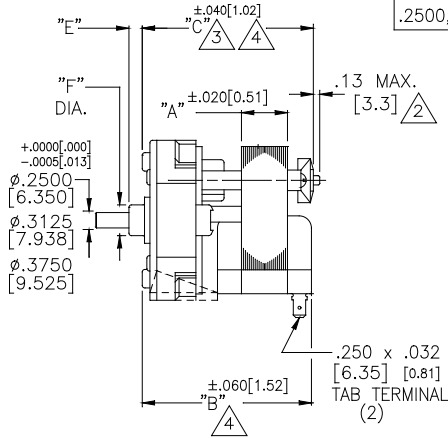
- Customized output shafts including dual output
- Various lead lengths, terminals and connectors
- Brakes: Positive-Stop, Cone, Coil Spring
- Output Needle bearings for high radial loads
- Ball bearing for motor
- Fan for additional cooling



## PF3700

AVAILABLE COVER HUB VARIATIONS		
SHAFT DIA.	"E" DIM	"F" DIM
.2500, .3125	.271	.625
.2500, .3125, .3750	.196	.875

STATOR SIZE	"A" DIM	"B" DIM	"C" DIM
3709	.575[14.61]	3.082[78.28]	3.049[77.44]
3715	.937[23.80]	3.444[87.48]	3.411[86.64]
3720	1.250[31.75]	3.757[95.43]	3.724[94.59]
3724	1.500[38.10]	4.007[101.78]	3.974[100.94]
3728	1.760[44.70]	4.267[108.38]	4.234[107.54]
3732	2.000[50.80]	4.507[114.48]	4.474[113.64]



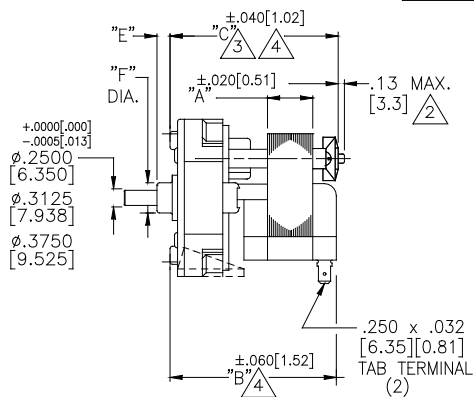
### NOTES:

- 1) BROKEN LINES REPRESENT OPTIONAL MOUNTINGS.
- 2) FOR FAN APPLICATION, ADD  $.600$  [15.24] TO DIMENSION. FOR COIL SPRING BRAKE APPLICATION, ADD  $.060$  [1.52] TO DIMENSION.
- 3) FOR COIL SPRING BRAKE APPLICATION, ADD  $.188$  [4.78] TO "C" DIMENSION.
- 4) FOR SOME LOW SPEED APPLICATIONS ADD  $.281$  [7.14] TO DIMENSION FOR DEEP CASE.

## PF4500

AVAILABLE COVER HUB VARIATIONS		
SHAFT DIA.	"E" DIM	"F" DIM
.2500, .3125	.271	.625
.2500, .3125, .3750	.196	.875

STATOR SIZE	"A" DIM	"B" DIM	"C" DIM
4506	.375[9.53]	2.716[68.99]	2.693[68.40]
4509	.562[14.27]	2.903[73.74]	2.880[73.15]
4512	.733[18.62]	3.074[78.08]	3.051[77.50]
4515	.937[23.80]	3.278[83.26]	3.255[82.68]
4520	1.275[32.39]	3.616[91.85]	3.593[91.26]
4526	1.625[41.28]	3.966[100.74]	3.943[100.15]



### NOTES:

- 1) BROKEN LINES REPRESENT OPTIONAL MOUNTINGS.
- 2) FOR FAN APPLICATION, ADD  $.600$  [15.24] TO DIMENSION. FOR COIL SPRING BRAKE APPLICATION, ADD  $.060$  [1.52] TO DIMENSION.
- 3) FOR COIL SPRING BRAKE APPLICATION, ADD  $.188$  [4.78] TO "C" DIMENSION.
- 4) FOR SOME LOW SPEED APPLICATIONS ADD  $.281$  [7.14] TO DIMENSION FOR DEEP CASE.

# PF SERIES PARALLEL SHAFT AC GEARMOTORS

**Nidec** -All for dreams  **Merkle-Korff Industries**

