

Compact, quiet and versatile, the VF Series is ideal when space is a premium. A variety of features and gear reductions enable custom design and low life-cycle costs.

SPECIFICATIONS & CONSTRUCTION

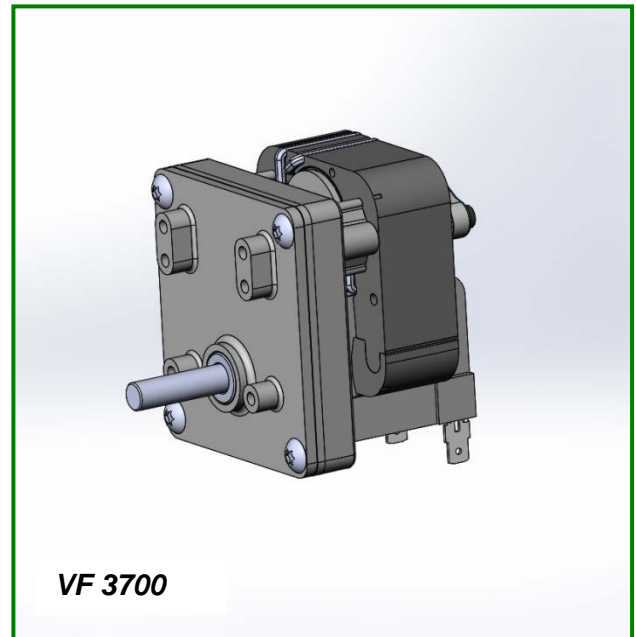
- Type:** Zinc die cast AC gearmotor
- Output speeds:** 20 to 150 RPM
- Voltage:** 24V to 230V, 50 or 60 Hz
- Bearings:** Self-aligning sintered bronze
- Termination:** Spade terminals or lead wires
- Protection:** Impedance or thermally protected
- Duty Cycle:** Intermittent
- Motors Available:** 3400, 3700, 4400, 4500
- Rotation:** Unidirectional; PSC-Reversing (GFS)
- Cover:** Die cast or Stamped Steel
- Lubrication:** Synthetic Grease
- Regulatory Approvals:** UL, CSA, CE, RoHs

TYPICAL APPLICATIONS

- Valve Actuators
- Switch Gears
- Displays
- Pellet Stoves & Grills
- Food Service Equipment
- Pumps

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

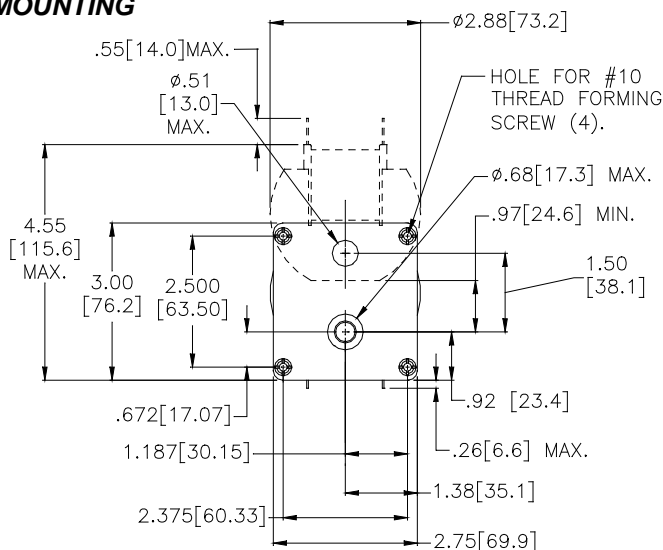


VF 3700

Maximum Permissible Torque: 50 In.Lb (5.6 Nm)
Speed: Up to 150 RPM

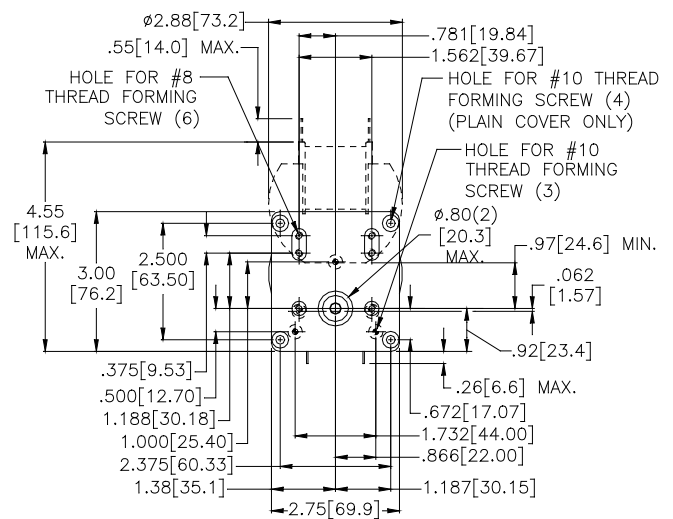
Note: Speed and torque combinations will vary depending on the motor/gearbox combination.

MOUNTING



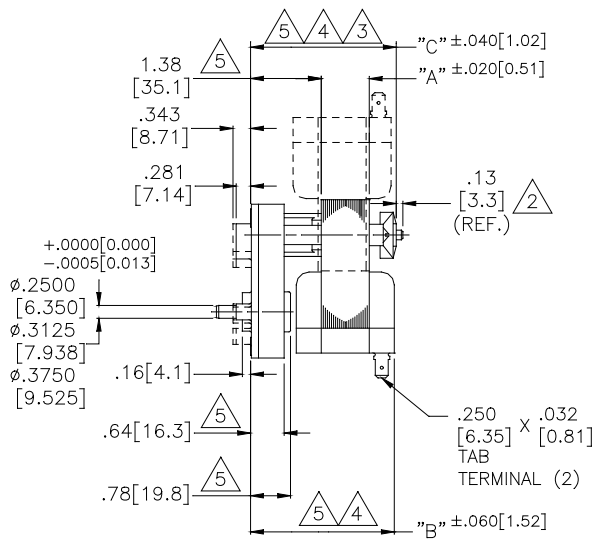
STAMPED STEEL COVER

MOUNTING



DIE-CAST COVER

VF3700

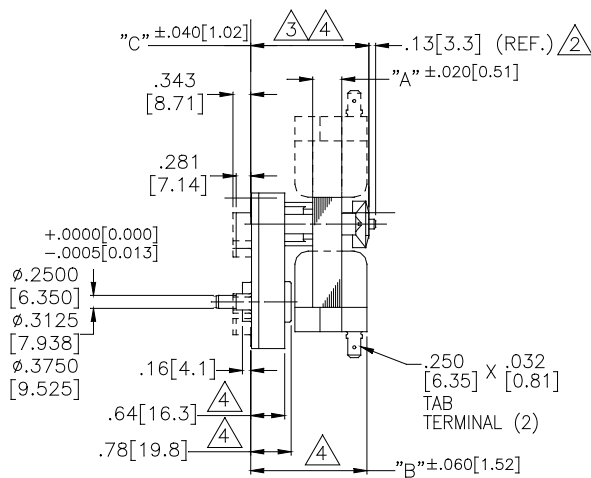


STATOR SIZE	"A" DIM	"B" DIM	"C" DIM
3709	.575 [14.61]	2.474 [62.84]	2.441 [62.00]
3715	.937 [23.80]	2.836 [72.03]	2.803 [71.20]
3720	1.250 [31.75]	3.149 [79.98]	3.116 [79.15]
3724	1.500 [38.10]	3.399 [86.33]	3.366 [85.50]
3728	1.760 [44.70]	3.659 [92.94]	3.626 [92.10]
3732	2.000 [50.80]	3.899 [99.03]	3.866 [98.20]

NOTES:

- BROKEN LINES REPRESENT OPTIONAL MOUNTINGS.
- FOR FAN APPLICATION, ADD .600 [15.24] TO DIMENSION. FOR COIL SPRING BRAKE APPLICATION, ADD .060 [1.52] TO DIMENSION.
- FOR COIL SPRING BRAKE APPLICATION, ADD .188 [4.78] TO "C" DIMENSION.
- FOR LONG MOUNTING APPLICATION, SUBTRACT .188 [4.78] FROM "B" & "C" DIMENSION.
- FOR STAMPED COVER APPLICATION, SUBTRACT .080 [2.03] FROM DIMENSIONS.

VF4500



STATOR SIZE	"A" DIM	"B" DIM	"C" DIM
4506	.375 [9.53]	2.076 [52.73]	2.053 [52.15]
4509	.562 [14.27]	2.263 [57.48]	2.240 [56.90]
4512	.733 [18.62]	2.434 [61.82]	2.411 [61.24]
4515	.937 [23.80]	2.638 [67.01]	2.615 [66.42]
4520	1.275 [32.39]	2.976 [75.59]	2.953 [75.01]
4526	1.625 [41.28]	3.326 [84.48]	3.303 [83.90]

NOTES:

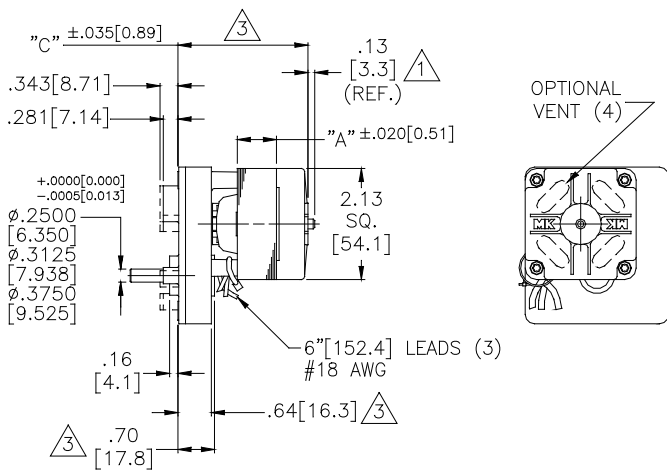
- BROKEN LINES REPRESENT OPTIONAL MOUNTINGS.
- FOR FAN APPLICATION, ADD .600 [15.24] TO DIMENSION. FOR COIL SPRING BRAKE APPLICATION, ADD .060 [1.52] TO DIMENSION.
- FOR COIL SPRING BRAKE APPLICATION, ADD .188 [4.78] TO "C" DIMENSION.
- FOR STAMPED COVER APPLICATION, SUBTRACT .080 [2.03] FROM DIMENSIONS.

VF SERIES PARALLEL SHAFT AC GEARMOTORS

Nidec -All for dreams MK Merkle-Korff Industries



VFS3400



STATOR SIZE	"A" DIM	"C" DIM
3406	.375[9.53]	2.105[53.47]
3410	.625[15.88]	2.355[59.82]
3412	.750[19.05]	2.480[62.99]
3416	1.000[25.40]	2.730[69.34]
3420	1.250[31.75]	2.980[75.69]
3424	1.500[38.10]	3.230[82.04]

NOTES:

- 1. FOR FAN APPLICATION, ADD .600[15.24] TO DIMENSION.
FOR BRAKE APPLICATION, ADD .09[2.3] TO DIMENSION.
- 2. BROKEN LINES REPRESENT OPTIONAL MOUNTINGS.
- 3. FOR STAMPED COVER APPLICATION, SUBTRACT .080[2.03] FROM DIMENSIONS.