



CP Flexible Coupling

Models

34394, 34395
34396, 34418

SPECIFICATIONS

ELECTRIC	34394	34395	34396	34418
Maximum Horsepower	2 HP	3 HP	10 HP	10 HP
Key Size	M5	M5	M5	M6
Shaft to Shaft Dimension..	M16.5 to 5/8"	M16.5 to 1-1/8"	M16.5 to 1-1/8"	M20.0 to 1-1/8"
Diameter/Length.....	2.17" x 3.04"	2.17" x 3.04"	2.56" x 3.04"	2.56" x 3.53"
Weight58 lbs.	.67 lbs.	1.16 lbs.	1.15 lbs.
Pump Model	3CP1120 3CP1130 3CP1140	3CP1120 3CP1130 3CP1140	3CP1120 3CP1130 3CP1140	5CP2140WCS 5CP2150W

FEATURES

- Eliminates belt selection, sizing and adjustment.
- Compact direct mounting feature reduces space required for belts or gearbox drive assemblies.
- Insulates against heat transfer.
- No moving parts for long life and easy maintenance.
- Special urethane spyder designed for extended life with high temp and high RPM conditions.

CP Bell Housing

Models

34422, 34423
34424

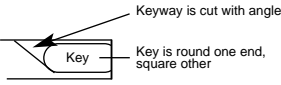
SPECIFICATIONS

	34422	34423	34424
Pump	3CP	3CP	5CP
Motor	2 HP-56C 145FR	7.5 HP-182TC 184TC	10 HP-184TC 213TC
Weight	1.56 lbs.	3.13 lbs.	3.13 lbs.
Dimensions			
Motor Face.....	6.49" 165 mm	8.86" 225 mm	8.86" 225 mm
Pump Face	4.06" 103 mm	4.06" 103 mm	4.06" 103 mm
Length.....	3.86" 98 mm	4.96" 126 mm	4.96" 126 mm
Pump Model	3CP1120 3CP1130 3CP1140	3CP1120 3CP1130 3CP1140	5CP2140WCS 5CP2150W

"Customer confidence is our greatest asset"

INSTALLATION

1. Separate the parts which are included in the bell housing assembly package. The Bell Housing assembly is offered in three separate kits to cover the various H.P. and pump frame sizes.
2. Remove bearing case screws from extended shaft side of pump and **discard**.
3. Slip the Bell Housing over the pump shaft with the **slots to the sides** (not top and bottom) and the **two closer spaced** flange motor mounting holes to the top.
4. Apply Loctite 242 to the threads of the new longer screws and torque to **50 in/lbs. (5.5 Nm)** in alternating rotation.
5. Apply a light film of antiseize lubricant to pump shaft.
6. Separate M16.5 or M20 half of the Flexible Coupling and slide onto the pump shaft. Seat completely against the inside of the flange.
7. Install key into pump shaft with curved end up and towards pump.

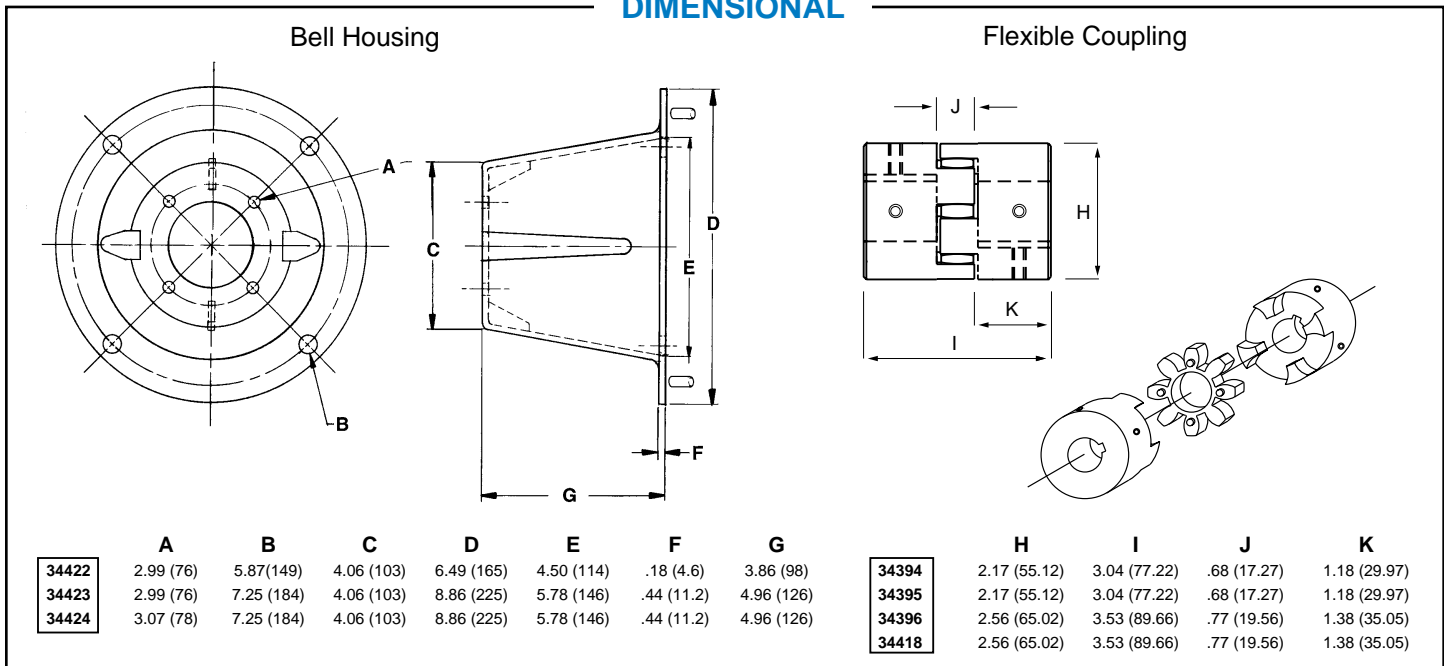

8. Slide 5/8" or 1-1/8" half of flexible coupling **containing spyder** onto motor shaft.
9. Install motor key (supplied with motor) into motor shaft keyway and apply antiseize lubricant to shaft.
10. Mount pump with coupling half onto motor shaft with coupling half, lining up the two keyways. Apply Loctite 242 to threaded area of the bolts, slip lockwashers onto bolts and thread through flange into motor. Torque to **110 in/lbs. (12 Nm)** in alternating rotation.
11. To secure Flexible Coupling with set screw, first insert two screw drivers into the Bell Housing slots from opposite sides and **press Flexible Coupling towards pump**.
12. Then Rotate motor shaft so set screws are lined-up with Bell Housing slots. NOTE: One set screw located at keyway and second at 90° from keyway.
13. Insert 1/8" allen wrench into each set screw and torque to **125-150 in/lbs. (15-19 Nm)**.

PARTS LIST

34394 Flexible Coupling Assy - 2 HP/3CP 1 34405 Coupler, Half (M16.5) 1 34404 Coupler, Half (5/8") 1 34406 Spyder 1 30047 *Key (M5x5x24) 2 6106 Lubricant, Antiseize 2 937731 Screw, Set HSH (1/4"-20x1/4)	34395 Flexible Coupling Assy - 3 HP/3CP 1 34405 Coupler, Half (M16.5) 1 34407 Coupler, Half (1-1/8") 1 34406 Spyder 1 30047 Key (M5x5x24) 2 6106 Lubricant, Antiseize 1 30088 *Key (1/4x1/4x1-3/8") 2 937731 Screw, Set HSH (1/4"-20x1/4)	34396 Flexible Coupling Assy - 10 HP/3CP 1 34416 Coupler, Half (M16.5) 1 34408 Coupler, Half (1-1/8") 1 34410 Spyder 1 30047 Key (M5x5x24) 2 6106 Lubricant, Antiseize 1 30088 *Key (1/4x1/4x1-3/8") 2 937731 Screw, Set HSH (1/4"-20x1/4)	34418 Flexible Coupling Assy - 10 HP/5CP 1 34409 Coupler, Half (M20) 1 34408 Coupler, Half (1-1/8") 1 34410 Spyder 1 30057 Key (M6x6x25) 2 6106 Lubricant, Antiseize 1 30088 *Key (1/4"x1/4"x1-3/8") 2 937731 Screw, Set HSH (1/4"-20x1/4)
34422 Bell Housing Assy - 2 HP/3CP 1 34412 Bell Housing 4 992771 Screw, HH (3/8"-16x3/4") 4 992781 Lockwasher (3/8") 4 992874 Screw, FH (M6x20) HD 4 992875 Lockwasher (M6)	34423 Bell Housing Assy - 7.5 HP/3CP 1 34413 Bell Housing 4 992772 Screw, HH (1/2"-13x1-1/4") 4 992782 Lockwasher (1/2") 4 992874 Screw, FH (M6x20) HD 4 992875 Lockwasher (M6)	34424 Bell Housing Assy - 10 HP/5CP 1 34414 Bell Housing 4 992772 Screw, HH (1/2"-13x1-1/4") 4 992782 Lockwasher (1/2") 4 992877 Screw, FH (M8x25) 4 992879 Lockwasher (M8)	

*Note: Discard key that comes with motor.

DIMENSIONAL



Products described hereon are covered by one or more of the following U.S. patents 3558244, 3652188, 3809508, 3920356, 3930756 and 5035580

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