

**CP Industrial Business Unit**

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www.chicagopneumatic.com**AFDE200/270/400/470/600 Series Belt Pulley ratios**

Speed	Speed	Ratio	Driver/Motor	Driven	Belt	Gearbox	Motor	** Standard Ratios
50Hz	60Hz		Pulley	Pulley		4.375:1		
330	400	1.0	432323 (26)	432323 (26)	432383 (75)	411013	4 pole	**
550	660	1.8	432353 (46)	432313 (25)	432413 (85)	411013	4 pole	**
850	1000	1.3	432333 (33)	432313 (25)	432393 (78)	411013	2 pole	** On AFDE200 Only
900	1080	0.6	432273 (16)	432323 (26)	432373 (70)	-	4 pole	**
1200	1400	1.8	432353 (46)	432313 (25)	432413 (85)	411013	2 pole	** On AFDE200 Only
1200	1400	0.8	432283 (19)	432303 (23)	432373 (70)	-	4 pole	**
1450	1750	1.0	432323 (26)	432323 (26)	432383 (75)	-	4 pole	**
1750	2100	0.6	432273 (16)	432323 (26)	432373 (70)	-	2 pole	**
2350	2800	0.8	432283 (19)	432303 (23)	432373 (70)	-	2 pole	**
2850	3400	1.0	432323 (26)	432323 (26)	432383 (75)	-	2 pole	**
3750	4500	1.3	432333 (33)	432313 (25)	432393 (78)	-	2 pole	**
4600	5500	1.6	432343 (40)	432313 (25)	432403 (82)	-	2 pole	**
5250	6300	1.8	432353 (46)	432313 (25)	432413 (85)	-	2 pole	**
8000	9600	2.8	432363 (56)	432293 (20)	432423 (90)	-	2 pole	**
10000	12000	3.5	432363 (56)	432273 (16)	432423 (90)	-	2 pole	**
180	215	0.6	432273 (16)	432323 (26)	432373 (70)	411013	4 pole	**
270	330	0.8	432283 (19)	432303 (23)	432373 (70)	411013	4 pole	**
400	480	0.6	432273 (16)	432323 (26)	432373 (70)	411013	2 pole	**
550	660	0.8	432283 (19)	432303 (23)	432373 (70)	411013	2 pole	**
650	800	1.0	432323 (26)	432323 (26)	432383 (75)	411013	2 pole	**
800	960	2.4	432353 (46)	432283 (19)	432403 (82)	411013	4 pole	**
950	1100	2.8	432363 (56)	432293 (20)	432423 (90)	411013	4 pole	**
1200	1400	3.5	432363 (56)	432273 (16)	432423 (90)	411013	4 pole	**
1450	1750	2.3	432353 (46)	432293 (20)	432403 (82)	411013	2 pole	**
1750	2100	1.2	432303 (23)	432283 (19)	432373 (70)	-	4 pole	**
1900	2300	1.3	432333 (33)	432313 (25)	432393 (78)	-	4 pole	**
2300	2800	1.6	432343 (40)	432313 (25)	432403 (82)	-	4 pole	**
2650	3200	1.8	432353 (46)	432313 (25)	432413 (85)	-	4 pole	**
3500	4200	1.2	432303 (23)	432283 (19)	432373 (70)	-	2 pole	**
4050	4850	2.8	432363 (56)	432293 (20)	432423 (90)	-	4 pole	**
5075	6100	3.5	432363 (56)	432273 (16)	432423 (90)	-	4 pole	**

** are the standard tools
 ** Knowing the standard RPM of the existing tool

1. Find either the 2 or 4 pole designation, then look for other motors with same pole designation and find the new pulley and belts for the new speed

Series	Nominal Power	4 pole 240/480V	2 pole 240/480V	4 pole 575V	2 pole 575V
200	0.34hp/0.25kW		374533 (63F)		325143 (63F)
400/600	0.44hp/0.33kW	432763 (71F)	325133 (63F)	433003 (71F)	396153 (63F)
410/610	1.00hp/0.75kW	433273 (71F)	239003 (71F)	433873 (71F)	253623 (71F)
420/620	1.5hp/1.1kW	433603 (71F)	433613 (71F)	434103 (71F)	434113 (71F)
270*	0.24hp/0.18kW	381253 (63F)			
470*	0.5hp/0.37kW	310373 (63F)			
480*	1.0hp/.75kW	380433 (71F)			
Nominal Speed(60Hz)		1750rpm	3420rpm	1750rpm	3420rpm

* Brake Motors Used

63F is Motor Frame Size

63

4 Holes M5 on 75 PCD with 60mm boss

71F is Motor Frame Size

71

4 Holes M6 on 85 PCD with 70mm boss

Motor Mount	63F	71F
	410823	410843

Note:

Motor screws change with motor mount.

For 410823 use 223113 4 off For 410843 use 229353 4 off

If removing a gearbox on an AFDE you need screws 228003 - 2 off, 209493 - 2 off.

If removing a gearbox on an AFTE you need screws 228003-1 off, 209493-1 off, 265453-1 off, 236463-1 off

If adding a gearbox all screws are supplied with the gearbox

200/400/600 Belt Part Numbers and Markings

	No Of Teeth	STS-
432373	Belt 70 teeth	70 350
432383	Belt 75 teeth	75 375
432393	Belt 78 teeth	78 390
432403	Belt 82 teeth	82 410
432413	Belt 85 teeth	85 425
432423	Belt 90 teeth	90 450