

Century® Industrial E-Plus® 3 Nema Premium Severe Duty Motors

Premium Efficient e CC001A - Squirrel Cage - TEFC - Rigid Base

Severe Duty Construction 3600 - 1800 & 1200 RPM - 1 thru 50 HP - Cast Iron



TSD61005

Features:

- All Cast Iron Construction
- Automatic Drain/Breather
- Continuous Duty
- Corrosion Resistant Fan
- Fully Gasketed Conduit Box
- Energy Efficient \$
- Grease Fittings
- Regreasable While Running
- Ground Lug in Conduit Box
- Shielded Bearings
- Shaft Slinger
- Plated Hardware
- 40°C Ambient
- 60 Hz
- Stainless Steel or Bronze Nameplates
- Multiple Dips and Bakes Non Hygroscopic Varnish
- 3-Year Warranty (3 years from date of manufacture, 2 years from date of installation)

HP	RPM	Volts	Full Load Amps	Service Factor	Frame	Stock Number	Type	Insul. Class	Cast Iron	"C" Dim.	Efficiency	Notes
1	1730	230/460	2.8/1.4	1.15	143T	TSD61026	E+3(NP)	F	✓	13.2	85.5	11,361,363,\$
1	1140	230/460	3.4/1.7	1.15	145T	TSD61051	E+3(NP)	F	✓	13.2	82.5	11,361,363,\$
1 1/2	3470	230/460	3.8/1.9	1.15	143T	TSD61002	E+3(NP)	F	✓	13.2	84.0	11,361,363,\$
1 1/2	1730	230/460	4.2/2.1	1.15	145T	TSD61027	E+3(NP)	F	✓	13.2	86.5	11,361,363,\$
1 1/2	1165	230/460	4.8/2.4	1.15	182T	TSD61052	E+3(NP)	F	✓	15.4	87.5	11,361,363,\$
2	3475	230/460	5.0/2.5	1.15	145T	TSD61003	E+3(NP)	F	✓	13.2	85.5	11,361,363,\$
2	1730	230/460	5.6/2.8	1.15	145T	TSD61028	E+3(NP)	F	✓	13.2	86.5	11,\$
2	1165	230/460	5.8/2.9	1.15	184T	TSD61053	E+3(NP)	F	✓	15.4	88.5	11,361,363,\$
3	3505	230/460	7.2/3.6	1.15	182T	TSD61004	E+3(NP)	F	✓	15.4	86.5	11,361,363,\$
3	1745	230/460	7.8/3.9	1.15	182T	TSD61029	E+3(NP)	F	✓	15.4	89.5	11,361,363,\$
3	1170	230/460	8.6/4.3	1.15	213T	TSD61054	E+3(NP)	F	✓	19.4	89.5	11,362,363,\$
5	3505	230/460	11.6/5.8	1.15	184T	TSD61005	E+3(NP)	F	✓	15.4	88.5	11,361,363,\$
5	1745	230/460	12.8/6.4	1.15	184T	TSD61030	E+3(NP)	F	✓	15.4	89.5	11,361,363,\$
5	1170	230/460	13.8/6.9	1.15	215T	TSD61055	E+3(NP)	F	✓	19.4	89.5	11,362,363,\$
7 1/2	3500	230/460	18.0/9.0	1.15	213T	TSD61006	E+3(NP)	F	✓	19.4	89.5	11,362,363,\$
7 1/2	1750	230/460	18.2/9.1	1.15	213T	TSD61031	E+3(NP)	F	✓	19.4	91.7	11,362,363,\$
7 1/2	1170	230/460	20.2/10.1	1.15	254T	TSD61056	E+3(NP)	F	✓	25.1	91.0	11,362,364,\$
10	3500	230/460	23.0/11.5	1.15	215T	TSD61007	E+3(NP)	F	✓	19.4	90.2	11,362,363,\$
10	1750	230/460	23.8/11.9	1.15	215T	TSD61032	E+3(NP)	F	✓	19.4	91.7	11,362,363,\$
10	1170	230/460	26.4/13.2	1.15	256T	TSD61057	E+3(NP)	F	✓	25.1	91.0	11,362,364,\$
15	3510	230/460	34.6/17.3	1.15	254T	TSD61008	E+3(NP)	F	✓	25.1	91.0	11,362,364,\$
15	1760	230/460	37.0/18.5	1.15	254T	TSD61033	E+3(NP)	F	✓	25.1	92.4	11,362,364,\$
15	1170	230/460	38.8/19.4	1.15	284T	TSD61058	E+3(NP)	F	✓	26.9	91.7	11,362,364,\$

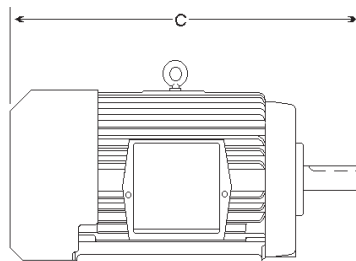
Notes:

- \$ Energy Efficient \$
- 11. C flange kit available
- 361. 9 lead
- 362. 12 lead – Capability for Y Start-Delta Run
- 363. Double shielded bearings with no regreasing provisions
- 364. Open bearings with regreasing provisions

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Motors specially designed, tested and warranted to be **Corona-Free** for compatible inverter duty are marked on this page with a **C**. See page 4 and 5 of this catalog for more Speed Engineered® motors information.


















**Premium Efficient  CC001A - Squirrel Cage - TEFC - Rigid Base
Severe Duty Construction 3600 - 1800 & 1200 RPM - 1 thru 50 HP - Cast Iron**



TSD61035

Features:

- All Cast Iron Construction
- Automatic Drain/Breather
- Continuous Duty
- Corrosion Resistant Fan
- Fully Gasketed Conduit Box
- Energy Efficient \$
- Grease Fittings
- Regreasable While Running
- Ground Lug in Conduit Box
- Shielded Bearings
- Shaft Slinger
- Plated Hardware
- 40°C Ambient
- 60 Hz
- Stainless Steel or Bronze Nameplates
- Multiple Dips and Bakes Non Hygroscopic Varnish
- 3-Year Warranty (3 years from date of manufacture, 2 years from date of installation)


HP	RPM	Volts	Full Load Amps	Service Factor	Frame	Stock Number	Type	Insul. Class	Cast Iron	"C" Dim.	Efficiency	Notes
20	3510	230/460	47.5-46.0/23.0	1.15	256T	TSD61009 	E+3(NP)	F	✓	25.1	91.0	11,362,364,\$
20	1760	230/460	49.0/24.5	1.15	256T	TSD61034 	E+3(NP)	F	✓	25.1	93.0	11,362,364,\$
20	1170	230/460	55.7-51.0/25.5	1.15	286T	TSD61059 	E+3(NP)	F	✓	28.4	91.7	11,362,364,\$
25	3520	230/460	57.4/28.7	1.15	284TS	TSD61010 	E+3(NP)	F	✓	25.5	91.7	11,362,364,\$
25	1765	230/460	60.0/30.0	1.15	284T	TSD61035 	E+3(NP)	F	✓	26.9	93.6	11,362,364,\$
25	1175	230/460	69.7-60.4/30.2	1.15	324T	TSD61060 	E+3(NP)	F	✓	29.7	93.0	11,362,364,\$
30	3525	230/460	70.3-68.2/34.1	1.15	286TS	TSD61011 	E+3(NP)	F	✓	27.0	91.7	11,362,364,\$
30	1765	230/460	72.0/36.0	1.15	286T	TSD61036 	E+3(NP)	F	✓	28.4	93.6	11,362,364,\$
30	1175	230/460	81.7-72.0/36.0	1.15	326T	TSD61061 	E+3(NP)	F	✓	31.3	93.0	11,362,364,\$
40	3530	230/460	94.6-93.4/46.7	1.15	324TS	TSD61012 	E+3(NP)	F	✓	28.2	92.4	11,362,364,\$
40	1770	230/460	104.8-94.8/47.4	1.15	324T	TSD61037 	E+3(NP)	F	✓	29.7	94.1	11,362,364,\$
40	1180	230/460	96.0/48.0	1.15	364T	TSD61062 	E+3(NP)	F	✓	32.7	94.1	19,362,364,\$
50	3550	230/460	120.3-114.0/57.0	1.15	326TS	TSD61013 	E+3(NP)	F	✓	29.8	93.0	11,362,364,\$
50	1770	230/460	118.0/59.0	1.15	326T	TSD61038 	E+3(NP)	F	✓	31.3	94.5	11,19,362,364,\$
50	1180	230/460	120.0/60.0	1.15	365T	TSD61063 	E+3(NP)	F	✓	33.7	94.1	19,362,364,\$

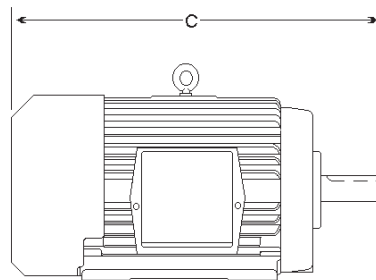
Notes:

- \$ Energy Efficient \$
- 11. C flange kit available
- 19. C & D flange kit available
- 362. 12 lead – Capability for Y Start-Delta Run
- 364. Open bearings with regreasing provisions

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Motors specially designed, tested and warranted to be **Corona-Free** for compatible inverter duty are marked on this page with a . See page 4 and 5 of this catalog for more Speed Engineered® motors information.



Century® Multi-Speed • Three Phase Motors

Dripproof - Rigid Base - Two Speed

Variable Torque - 1/.25 thru 50/12.5 HP

Features:

- Ball Bearings
- Service Factor 1.15
- 60 Hz
- 40°C Ambient



M312

Applications:

For two-speed, one and two winding, variable torque applications for speed control from one speed to another while under load. Blowers, fans, conveyors, mixing machines, centrifugal pumps.

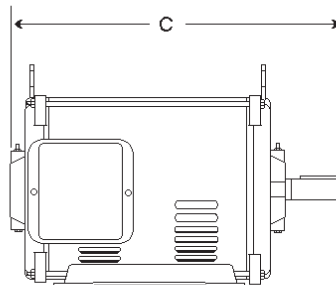
HP	RPM	Oper. HP High Spd.*	Oper. HP Low Spd.*	Volts	Full Load Amps	Frame	Stock Number	Insul. Class	Rotation	"C" Dim.	High Spd. Efficiency	Low Spd. Efficiency	Notes
2-1-VT • Two Speed • One Winding • Variable Torque													
1~.25	1745/850	1	.12	200-230	3.5-3.4/1.5-1.6	143T	M126	B	RCC	12.1	76.0	59.0	1, 21
1~.25	1725/850	1	.12	200-230	3.5-3.4/1.4-1.4	56	M126V1	B	RCC	12.1			30, New!
1~.25	1725/850	1	.12	460	1.7/6.5	143T	M116V1	B	RCC	12.1			New!
1.5~.37	1745/845	1-1/2	.19	200-230	5.0-5.0/2.0-2.0	145T	M127V1	B	RCC	12.6			New!
1.5~.37	1725/850	1-1/2	.19	460	2.4	145T	M120V1	B	RCC	12.6			New!
2~.5	1745/850	2	.25	230	6.6/2.4	145T	M128L	F	RCC	13.1			21, New!
3~.75	1745/850	3	.375	200-230	10.1-11.6/4.1-4.4	182T	M222	F	CCW	13.7	82.0	72.0	
3~.75	1760/875	3	.375	460	6.6/2.4	182T	M206	F	CCW	13.7	80.0	66.0	
5~1.25	1760/870	5	.63	200-230	16.0-17.7/6.2-6.2	184T	M223	F	CCW	13.7	85.0	77.0	
5~1.25	1750/870	5	.63	460	9.1/3.2	184T	M302	F	CCW	13.7	84.0	73.0	
7.5~1.9	1740/870	7-1/2	.94	200-230	23.0-22.5/9.3-8.2	213T	M321	F	CCW	17.3	85.0	72.0	
7.5~1.9	1740/870	7-1/2	.94	460	11.8/4.2	213T	M312	F	CCW	17.3	85.0	72.0	
10~2.5	1745/870	10	1.25	200-230	27.7-32.4/11.2-11.6	215T	M322	F	CCW	17.3	88.0	77.0	
10~2.5	1750/870	10	1.25	460	15.0/5.3	215T	M313	F	CCW	17.3	83.0	71.0	
15~3.7	1760/880	15	1.87	200-230	42.5-40.0/16.5-17.0	256T	M425	F	CCW	22.1	90.2	84.0	
15~3.7	1750/875	15	1.87	460	19.3/7.8	256T	M412	F	CCW	22.1	88.5	81.5	
20~5	1755/875	20	2.50	200-230	56.0-51.0/21.5-21.5	284T	M520	F	CCW	24.3	90.2	82.5	
20~5	1745/870	20	2.50	460	25.2/10.0	256T	M424	F	CCW	22.1	89.5	82.5	
25~6.25	1740/865	25	3.12	460	31.0/12.0	286T	M506	F	CCW	24.3	89.5	84.0	
30~7.5	1740/870	30	3.75	460	35.5/13.5	286T	M513	F	CCW	24.2	90.2	85.5	

Notes:

1. Item to be discontinued when stock is depleted
21. Terminal in bracket construction
30. 56, 140 frame combination base (12 mounting holes)

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*The operating horsepower is based on the type load where the horsepower required varies as the cube of the speed. Examples of such loads are fan or blower systems and centrifugal pumps. Two-speed motor performance data sheets are available from your Century Customer Service Center.



**Dripproof - Rigid Base - Two Speed
Variable Torque - 1/.44 thru 30/13.3 HP**

Features:

- Ball Bearings
- Service Factor 1.15
- 60 Hz
- Open Dripproof
- Rigid Base
- 40°C Ambient



M207

Applications:

For two-speed, one and two winding, variable torque applications for speed control from one speed to another while under load. Blowers, fans, conveyors, mixing machines, centrifugal pumps.

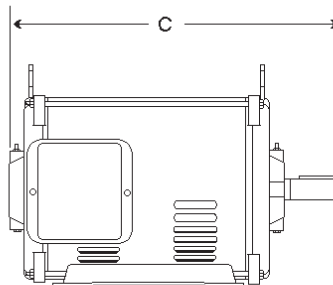
HP	RPM	Oper. HP High Spd.*	Oper. HP Low Spd.*	Volts	Full Load Amps	Frame	Stock Number	Insul. Class	"C" Dim.	High Spd. Efficiency	Low Spd. Efficiency	Notes
2-1-VT • Two Speed • Two Winding • Variable Torque												
1~.44	1745/1140	1	.30	460	1.7/1.1	145T	M109V1	B	12.6			New!
1.5~.68	1745/1140	1-1.2	.44	200-230	4.8-4.6/2.8-2.7	145T	M125V1	B	13.1			New!
1.5~.68	1745/1140	1-1/2	.44	460	2.4/1.4	145T	M104	B	13.1	75.0	71.0	21
1.5~.68	1725/1140	1-1/2	.44	460	2.1/1.3	145T	M104V1	B	13.1			New!
2~.88	1750/1170	2	.59	200-230	6.4-6.1/3.8-4.1	182T	M220	B	12.6	81.0	72.0	
2~.88	1760/1175	2	.59	460	3.0/2.0	182T	M207	B	12.6	80.0	70.0	
3~1.3	1740/1160	3	.89	200-230	9.0-8.4/4.8-4.8	184T	M221	F	12.6	81.0	75.0	
3~1.3	1760/1170	3	.89	460	4.6/2.6	184T	M208	B	12.6	82.5	74.0	
5~2.2	1750/1160	5	1.48	200-230	16.0-15.5/9.7-10.2	215T	M320	B	15.6	86.0	78.0	
5~2.2	1750/1160	5	1.48	460	7.1/4.8	215T	M305	B	15.6	78.0	71.0	
7.5~3.3	1760/1170	7.5	2.22	200-230	22.0-19.5/12.3-12.3	215T	M317	F	18.3	89.0	85.0	
7.5~3.3	1770/1175	7.5	2.22	460	10.0/6.0	215T	M315	F	16.6	87.0	80.0	
10~4.4	1775/1175	10	2.96	200-230	27.0-24.0/14.5-13.0	256T	M421	F	22.1	88.0	80.0	
10~4.4	1775/1175	10	2.96	460	12.0/6.3	256T	M413	F	22.1	87.0	82.0	
15~6.7	1775/1175	15	4.40	200-230	40.0-36.0/20.0-19.0	284T	M521	F	24.3	86.0	85.0	
15~6.7	1775/1175	15	4.40	460	18.0/9.5	256T	M423	F	22.1	86.0	81.0	
20~8.9	1770/1175	20	5.93	200-230	54.0-48.0/28.0-26.0	286T	M522	F	24.3	89.0	86.0	
20~8.9	1770/1175	20	5.93	460	24.0/13.0	286T	M504	F	24.2	90.0	84.0	
25~11.0	1770/1180	25	7.40	460	29.0/17.5	286T	M515	F	24.3	91.0	86.0	
30~13.3	1770/1170	30	8.90	460	36.0/18.5	286T	M514	F	24.3	91.0	88.0	

Notes:

21. Terminal in bracket construction

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*The operating horsepower is based on the type load where the horsepower required varies as the cube of the speed. Examples of such loads are fan or blower systems and centrifugal pumps. Two-speed motor performance data sheets are available from your Century Customer Service Center.



Century® Multi-Speed • Three Phase Motors

Dripproof - Rigid Base - Two Speed

Variable Torque - 2~.5 thru 25~6.5 HP

Features:

- Ball Bearings
- Open Dripproof
- Rigid Base
- 60 Hz
- 40°C Ambient
- Service Factor 1.15



M314

Applications:

For two-speed, one and two winding, variable torque applications for speed control from one speed to another while under load.

Blowers, fans, conveyors, mixing machines, centrifugal pumps.

HP	RPM	Oper. HP High Spd.*	Oper. HP Low Spd.*	Volts	Full Load Amps	Frame	Stock Number	Insul. Class	Rotation	"C" Dim.	High Spd. Efficiency	Low Spd. Efficiency
2-2-VT - Two Speed - Two Winding - Variable Torque												
2~.5	1750/875	2	.25	460	3.0/1.2	182T	M210	B	REV	12.6	78.5	62.0
3~.75	1750/860	3	.37	460	4.3/2.0	184T	M211	B	REV	12.6	75.0	61.0
5~1.2	1760/880	5	.63	460	7.1/3.3	215T	M314	B	REV	15.6	83.0	55.0
7.5~1.9	1760/880	7 1/2	.94	460	9.6/4.6	215T	M316	F	REV	16.6	86.0	70.0
10~2.5	1770/880	10	1.25	460	12.5/5.5	256T	M415	F	RCC	22.1	87.0	74.0
15~3.75	1760/875	15	1.87	460	18.0/7.5	256T	M422	F	RCC	22.1	88.0	75.0
20~5	1755/875	20	2.5	460	24.5/10.0	286T	M511	F	RCC	24.3	87.0	77.0
25~6.25	1755/875	25	3.12	460	30.0/12.0	286T	M512	F	RCC	24.3	89.0	84.0

*The operating horsepower is based on the type load where the horsepower required varies as the cube of the speed. Examples of such loads are fan or blower systems and centrifugal pumps. Two-speed motor performance data sheets are available from your Century Customer Service Center.

