

Hazardous Duty Motors

Class I, Group D, Class II, Groups F & G, Division 1 RGZZESD

These high efficiency explosion-proof motors are UL® listed for dust ignition proof environments, and are suitable for use in Class I, Group D, Class II, Groups F & G, Division 1 hazardous areas. They are ideal for use in applications such as chemical processing, mining, foundry, pulp and paper, waste management, and petro/chemical.

Performance Specifications

- 1 to 300 HP
- 1.0 service factor, 40°C ambient
- T3B temperature code
- 900, 1200, 1800, or 3600 RPM
- 3 phase, 60 Hz; 230/460 volt operation under 25 HP, 460 volt 25 HP and above; 200 & 575 volt available
- Class F insulation, Class B temperature rise
- NEMA design B, continuous duty
- 143T through 449T frame

Features for Long Life

Frame and End Shields – Cast iron frame and end shields for exceptional structural integrity, with sintered condensation drains on 404T – 449T frames. Lifting eyebolts are included for frames 213T to 449T.

Rotor – A unique offset rotor bar design provides improved efficiency while larger bars and end rings reduce resistance for lower rotor losses. Each die cast aluminum rotor assembly is dynamically balanced for extended bearing life, and includes a high-strength carbon steel (C1045) shaft for maximum rotor performance.

Stator/Windings – Manufactured with premium electrical grade steel laminations and copper electrical magnet wire to lower losses for improved efficiencies. A unique stator core design lowers flux density while increasing cooling capacity. Large conductor cross section reduces resistance and lowers stator losses.

Insulation – Proprietary Class F non-hygroscopic insulation system with NEMA Class B temperature rise, provides an extra margin of thermal life. Varnish system application ensures maximum wire penetration to provide protection from moisture, corrosion and electrical shock. Two series-connected normally-closed Class B thermostats are supplied as standard.

Cooling – A bi-directional, non-sparking fan is locked and keyed to the shaft. Its low-inertia design reduces windage losses, improves airflow, reduces noise and provides dependable cooling. Cast iron fan covers are provided on all frame sizes.

Bearings – Regreasable, oversized single shielded bearings with cast iron inner caps. Alemite grease fittings on the inlets, and pipe plugs on the relief ports for ease of routine maintenance. Frames 143T – 256T are equipped with a shaft seal on the drive end; 284T – 449T frames have a drive end V-ring slinger for added bearing life.

Lubrication – A specially formulated, high temperature tested, polyurea based grease is used to provide more than four times the lubrication life of other polyurea greases.



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YEAR
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Oversized Conduit Box – Cast iron construction that is larger than industry standards, diagonally-split and rotatable in 90° increments for quick and easy connections. Includes a ground lug and non-wicking, clearly and permanently marked leads.

Corrosion Resistance – Cast iron construction, zinc-plated hardware, epoxy enamel paint and stainless steel nameplate resist rust and corrosion.

Modifiable – All Siemens motors are available with a wide variety of modifications to meet your specific motor needs.



Specifications table begins on the next page →

Hazardous Duty Motors

Class I, Group D, Class II, Groups F & G, Division 1 Stock/Modifiable

RGZZESD

HP	RPM	Frame	Voltage	Type	DE Bearing	Part Number	List Price \$	Multiplier Symbol	FL Amps*	FL Nom. Eff. (%)	Weight (lbs.)	Stock Model
Horizontal, Foot Mounted												
1	1800	143T	230/460	RGZZESD	Ball	1MB29211AB216AG3	534	SA-7XXP	1.5	82.5	65	✓
1	1800	143T	575	RGZZESD	Ball	1MB29211AB213AG3	534	SA-7XXP	1.2	82.5	60	✓
1	1200	145T	230/460	RGZZESD	Ball	1MB29211AC316AG3	623	SA-7XXP	1.8	80	70	✓
1	1200	145T	575	RGZZESD	Ball	1MB29211AC313AG3	623	SA-7XXP	1.44	80	70	✓
1	900	182T	230/460	RGZZESD	Ball	1MB29211CD116AG3	1153	SA-7XXP	1.9	78.5	113	✓
1	900	182T	575	RGZZESD	Ball	1MB29211CD113AG3	1153	SA-7XXP	1.52	78.5	113	✓
1.5	3600	143T	230/460	RGZZESD	Ball	1MB29211AA216AG3	560	SA-7XXP	2	82.5	60	✓
1.5	3600	143T	575	RGZZESD	Ball	1MB29211AA213AG3	560	SA-7XXP	1.6	82.5	60	✓
1.5	1800	145T	230/460	RGZZESD	Ball	1MB29211AB316AG3	575	SA-7XXP	2.2	84	70	✓
1.5	1800	145T	575	RGZZESD	Ball	1MB29211AB313AG3	575	SA-7XXP	1.76	84	75	✓
1.5	1200	182T	230/460	RGZZESD	Ball	1MB29211CC116AG3	682	SA-7XXP	2.3	85.5	100	✓
1.5	1200	182T	575	RGZZESD	Ball	1MB29211CC113AG3	682	SA-7XXP	1.84	85.5	100	✓
1.5	900	184T	230/460	RGZZESD	Ball	1MB29211CD316AG3	1360	SA-7XXP	2.6	80	117	✓
1.5	900	184T	575	RGZZESD	Ball	1MB29211CD313AG3	1360	SA-7XXP	2.08	80	117	✓
2	3600	145T	230/460	RGZZESD	Ball	1MB29211AA316AG3	638	SA-7XXP	2.5	84	70	✓
2	3600	145T	575	RGZZESD	Ball	1MB29211AA313AG3	638	SA-7XXP	2	84	70	✓
2	1800	145T	230/460	RGZZESD	Ball	1MB29211AB416AG3	616	SA-7XXP	2.9	84	70	✓
2	1800	145T	575	RGZZESD	Ball	1MB29211AB413AG3	616	SA-7XXP	2.32	84	70	✓
2	1200	184T	230/460	RGZZESD	Ball	1MB29211CC316AG3	772	SA-7XXP	3	86.5	120	✓
2	1200	184T	575	RGZZESD	Ball	1MB29211CC313AG3	772	SA-7XXP	2.4	86.5	120	✓
2	900	213T	230/460	RGZZESD	Ball	1MB29212AD116AG3	1632	SA-7XXP	3.3	82.5	153	✓
2	900	213T	575	RGZZESD	Ball	1MB29212AD113AG3	1632	SA-7XXP	2.64	82.5	153	✓
3	3600	182T	230/460	RGZZESD	Ball	1MB29211CA116AG3	698	SA-7XXP	3.6	86.5	100	✓
3	3600	182T	575	RGZZESD	Ball	1MB29211CA113AG3	698	SA-7XXP	2.88	86.5	100	✓
3	1800	182T	230/460	RGZZESD	Ball	1MB29211CB116AG3	695	SA-7XXP	3.9	87.5	100	✓
3	1800	182T	575	RGZZESD	Ball	1MB29211CB113AG3	695	SA-7XXP	3.12	87.5	100	✓
3	1200	213T	230/460	RGZZESD	Ball	1MB29212AC116AG3	942	SA-7XXP	4	87.5	160	✓
3	1200	213T	575	RGZZESD	Ball	1MB29212AC113AG3	942	SA-7XXP	3.2	87.5	160	✓
3	900	215T	230/460	RGZZESD	Ball	1MB29212AD216AG3	1962	SA-7XXP	4.7	84	171	✓
3	900	215T	575	RGZZESD	Ball	1MB29212AD213AG3	1962	SA-7XXP	3.76	84	171	✓
5	3600	184T	230/460	RGZZESD	Ball	1MB29211CA316AG3	854	SA-7XXP	5.8	87.5	120	✓
5	3600	184T	575	RGZZESD	Ball	1MB29211CA313AG3	854	SA-7XXP	4.64	87.5	120	✓
5	1800	184T	230/460	RGZZESD	Ball	1MB29211CB316AG3	779	SA-7XXP	6.5	87.5	125	✓
5	1800	184T	575	RGZZESD	Ball	1MB29211CB313AG3	779	SA-7XXP	5.2	87.5	115	✓
5	1200	215T	230/460	RGZZESD	Ball	1MB29212AC216AG3	1230	SA-7XXP	6.8	88.5	180	✓
5	1200	215T	575	RGZZESD	Ball	1MB29212AC213AG3	1230	SA-7XXP	5.44	88.5	180	✓
5	900	254T	230/460	RGZZESD	Ball	1MB29212BD116AG3	2049	SA-7XXP	7.5	86.5	292	✓
5	900	254T	575	RGZZESD	Ball	1MB29212BD113AG3	2049	SA-7XXP	6	86.5	292	✓
7.5	3600	213T	230/460	RGZZESD	Ball	1MB29212AA116AG3	1034	SA-7XXP	8.8	88.5	160	✓
7.5	3600	213T	575	RGZZESD	Ball	1MB29212AA113AG3	1034	SA-7XXP	7.04	88.5	160	✓
7.5	1800	213T	230/460	RGZZESD	Ball	1MB29212AB116AG3	1029	SA-7XXP	9.5	89.5	160	✓
7.5	1800	213T	575	RGZZESD	Ball	1MB29212AB113AG3	1029	SA-7XXP	7.6	89.5	160	✓
7.5	1200	254T	230/460	RGZZESD	Ball	1MB29212BC116AG3	1598	SA-7XXP	9.8	90.2	265	✓
7.5	1200	254T	575	RGZZESD	Ball	1MB29212BC113AG3	1598	SA-7XXP	7.84	90.2	265	✓
7.5	900	256T	230/460	RGZZESD	Ball	1MB29212BD216AG3	2513	SA-7XXP	12	87.5	324	✓
7.5	900	256T	575	RGZZESD	Ball	1MB29212BD213AG3	2513	SA-7XXP	9.6	87.5	324	✓

*FL Amps are at 460V or 575V depending on the voltage rating of the motor.

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P-Base VerticalNEMA PREMIUM
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Hazardous Duty Motors

Class I, Group D, Class II, Groups F & G, Division 1
RGZZESD

Stock/Modifiable

HP	RPM	Frame	Voltage	Type	DE Bearing	Part Number	List Price \$	Multiplier Symbol	FL Amps*	FL Nom. Eff. (%)	Weight (lbs.)	Stock Model
Horizontal, Foot Mounted - continued												
10	3600	215T	230/460	RGZZESD	Ball	1MB29212AA216AG3	1169	SA-7XXP	12	89.5	180	✓
10	3600	215T	575	RGZZESD	Ball	1MB29212AA213AG3	1169	SA-7XXP	9.6	89.5	180	✓
10	1800	215T	230/460	RGZZESD	Ball	1MB29212AB216AG3	1191	SA-7XXP	13	89.5	180	✓
10	1800	215T	575	RGZZESD	Ball	1MB29212AB213AG3	1191	SA-7XXP	10.4	89.5	180	✓
10	1200	256T	230/460	RGZZESD	Ball	1MB29212BC216AG3	1891	SA-7XXP	13	90.2	325	✓
10	1200	256T	575	RGZZESD	Ball	1MB29212BC213AG3	1891	SA-7XXP	10.4	90.2	325	✓
10	900	284T	230/460	RGZZESD	Ball	1MB29212CD116AG3	3039	SA-7XXP	15	91	410	✓
10	900	284T	575	RGZZESD	Ball	1MB29212CD113AG3	3039	SA-7XXP	12	91	410	✓
15	3600	254T	230/460	RGZZESD	Ball	1MB29212BA116AG3	1559	SA-7XXP	17	90.2	265	✓
15	3600	254T	575	RGZZESD	Ball	1MB29212BA113AG3	1559	SA-7XXP	13.6	90.2	265	✓
15	1800	254T	230/460	RGZZESD	Ball	1MB29212BB116AG3	1536	SA-7XXP	19	91.7	265	✓
15	1800	254T	575	RGZZESD	Ball	1MB29212BB113AG3	1536	SA-7XXP	15.2	91.7	265	✓
15	1200	284T	230/460	RGZZESD	Ball	1MB29212CC116AG3	2568	SA-7XXP	20	91	410	✓
15	1200	284T	575	RGZZESD	Ball	1MB29212CC113AG3	2568	SA-7XXP	16	91	410	✓
15	900	286T	230/460	RGZZESD	Ball	1MB29212CD216AG3	3825	SA-7XXP	23	91	460	✓
15	900	286T	575	RGZZESD	Ball	1MB29212CD213AG3	3825	SA-7XXP	18.4	91	460	✓
20	3600	256T	230/460	RGZZESD	Ball	1MB29212BA216AG3	1864	SA-7XXP	23	90.2	325	✓
20	3600	256T	575	RGZZESD	Ball	1MB29212BA213AG3	1864	SA-7XXP	18.4	90.2	325	✓
20	1800	256T	230/460	RGZZESD	Ball	1MB29212BB216AG3	1845	SA-7XXP	26	91.7	325	✓
20	1800	256T	575	RGZZESD	Ball	1MB29212BB213AG3	1845	SA-7XXP	20.8	91.7	325	✓
20	1200	286T	230/460	RGZZESD	Ball	1MB29212CC216AG3	3036	SA-7XXP	26	91.7	460	✓
20	1200	286T	575	RGZZESD	Ball	1MB29212CC213AG3	3036	SA-7XXP	20.8	91.7	460	✓
20	900	324T	230/460	RGZZESD	Ball	1MB29213AD116AG3	4780	SA-7XXP	31	91	589	✓
20	900	324T	575	RGZZESD	Ball	1MB29213AD113AG3	4780	SA-7XXP	24.8	91	589	✓
25	3600	284TS	460	RGZZESD	Ball	1MB29212DA112AG3	2383	SA-7XXP	29	91.7	410	✓
25	3600	284TS	575	RGZZESD	Ball	1MB29212DA113AG3	2383	SA-7XXP	23.2	91.7	410	✓
25	1800	284T	460	RGZZESD	Ball	1MB29212CB112AG3	2295	SA-7XXP	29	93	410	✓
25	1800	284T	575	RGZZESD	Ball	1MB29212CB113AG3	2295	SA-7XXP	23.2	93	410	✓
25	1200	324T	460	RGZZESD	Ball	1MB29213AC112AG3	3788	SA-7XXP	33	92.4	589	✓
25	1200	324T	575	RGZZESD	Ball	1MB29213AC113AG3	3788	SA-7XXP	26.4	92.4	589	✓
25	900	326T	460	RGZZESD	Ball	1MB29213AD212AG3	5761	SA-7XXP	38	90.2	645	✓
25	900	326T	575	RGZZESD	Ball	1MB29213AD213AG3	5761	SA-7XXP	30.4	90.2	645	✓
30	3600	286TS	460	RGZZESD	Ball	1MB29212DA212AG3	2710	SA-7XXP	34	91.7	460	✓
30	3600	286TS	575	RGZZESD	Ball	1MB29212DA213AG3	2710	SA-7XXP	27.2	91.7	460	✓
30	1800	286T	460	RGZZESD	Ball	1MB29212CB212AG3	2598	SA-7XXP	35	93	460	✓
30	1800	286T	575	RGZZESD	Ball	1MB29212CB213AG3	2598	SA-7XXP	28	93	460	✓
30	1200	326T	460	RGZZESD	Ball	1MB29213AC212AG3	4268	SA-7XXP	39	92.4	645	✓
30	1200	326T	575	RGZZESD	Ball	1MB29213AC213AG3	4268	SA-7XXP	31.2	92.4	645	✓
30	900	364T	460	RGZZESD	Ball	1MB29213CD112AG3	6504	SA-7XXP	47	91	865	✓
30	900	364T	575	RGZZESD	Ball	1MB29213CD113AG3	6504	SA-7XXP	37.6	91	865	✓

*FL Amps are at 460V or 575V depending on the voltage rating of the motor.

Hazardous Duty Motors

Class I, Group D, Class II, Groups F & G, Division 1 Stock/Modifiable
RGZZESD

HP	RPM	Frame	Voltage	Type	DE Bearing	Part Number	List Price \$	Multiplier Symbol	FL Amps*	FL Nom. Eff. (%)	Weight (lbs.)	Stock Model
Horizontal, Foot Mounted - continued												
40	3600	324TS	460	RGZZESD	Ball	1MB29213BA112AG3	3637	SA-7XXP	45	93.6	589	✓
40	3600	324TS	575	RGZZESD	Ball	1MB29213BA113AG3	3637	SA-7XXP	36	93.6	589	✓
40	1800	324T	460	RGZZESD	Ball	1MB29213AB112AG3	3510	SA-7XXP	47	93.6	589	✓
40	1800	324T	575	RGZZESD	Ball	1MB29213AB113AG3	3510	SA-7XXP	37.6	93.6	589	✓
40	1200	364T	460	RGZZESD	Ball	1MB29213CC112AG3	5812	SA-7XXP	52	93.6	865	✓
40	1200	364T	575	RGZZESD	Ball	1MB29213CC113AG3	5812	SA-7XXP	41.6	93.6	865	✓
40	900	365T	460	RGZZESD	Ball	1MB29213CD212AG3	7698	SA-7XXP	63	91.7	915	✓
40	900	365T	575	RGZZESD	Ball	1MB29213CD213AG3	7698	SA-7XXP	50.4	91.7	915	✓
50	3600	326TS	460	RGZZESD	Ball	1MB29213BA212AG3	4521	SA-7XXP	55	93.6	738	✓
50	3600	326TS	575	RGZZESD	Ball	1MB29213BA213AG3	4521	SA-7XXP	44	93.6	738	✓
50	1800	326T	460	RGZZESD	Ball	1MB29213AB212AG3	4167	SA-7XXP	58	93.6	645	✓
50	1800	326T	575	RGZZESD	Ball	1MB29213AB213AG3	4167	SA-7XXP	46.4	93.6	645	✓
50	1200	365T	460	RGZZESD	Ball	1MB29213CC212AG3	6542	SA-7XXP	66	93.6	915	✓
50	1200	365T	575	RGZZESD	Ball	1MB29213CC213AG3	6542	SA-7XXP	52.8	93.6	915	✓
50	900	404T	460	RGZZESD	Ball	1MB29214AD112AG3	9340	SA-7XXP	67	91.7	1230	✓
50	900	404T	575	RGZZESD	Ball	1MB29214AD113AG3	9340	SA-7XXP	53.6	91.7	1230	✓
60	3600	364TS	460	RGZZESD	Ball	1MB29213DA112AG3	5911	SA-7XXP	68	93.6	865	✓
60	3600	364TS	575	RGZZESD	Ball	1MB29213DA113AG3	5911	SA-7XXP	54.4	93.6	865	✓
60	1800	364T	460	RGZZESD	Ball	1MB29213CB112AG3	5867	SA-7XXP	71	93.6	865	✓
60	1800	364T	575	RGZZESD	Ball	1MB29213CB113AG3	5867	SA-7XXP	56.8	93.6	865	✓
60	1200	404T	460	RGZZESD	Ball	1MB29214AC112AG3	7826	SA-7XXP	74	94.1	1230	✓
60	1200	404T	575	RGZZESD	Ball	1MB29214AC113AG3	7826	SA-7XXP	59.2	94.1	1230	✓
60	900	405T	460	RGZZESD	Ball	1MB29214AD212AG3	10514	SA-7XXP	78	91.7	1335	✓
60	900	405T	575	RGZZESD	Ball	1MB29214AD213AG3	10514	SA-7XXP	62.4	91.7	1335	✓
75	3600	365TS	460	RGZZESD	Ball	1MB29213DA212AG3	7220	SA-7XXP	85	94.1	915	✓
75	3600	365TS	575	RGZZESD	Ball	1MB29213DA213AG3	7220	SA-7XXP	68	94.1	915	✓
75	1800	365T	460	RGZZESD	Ball	1MB29213CB212AG3	7225	SA-7XXP	87	94.1	915	✓
75	1800	365T	575	RGZZESD	Ball	1MB29213CB213AG3	7225	SA-7XXP	69.6	94.1	915	✓
75	1200	405T	460	RGZZESD	Ball	1MB29214AC212AG3	9003	SA-7XXP	93	94.5	1335	✓
75	1200	405T	575	RGZZESD	Ball	1MB29214AC213AG3	9003	SA-7XXP	74.4	94.5	1335	✓
75	900	444T	460	RGZZESD	Roller	1MB29214CD112AG3	13836	SA-7XXP	94	93	1700	✓
75	900	444T	575	RGZZESD	Roller	1MB29214CD113AG3	13836	SA-7XXP	75.2	93	1700	✓
100	3600	405TS	460	RGZZESD	Ball	1MB29214BA212AG3	9701	SA-7XXP	108	94.1	1335	✓
100	3600	405TS	575	RGZZESD	Ball	1MB29214BA213AG3	9701	SA-7XXP	86.4	94.1	1335	✓
100	1800	405T	460	RGZZESD	Ball	1MB29214AB212AG3	9036	SA-7XXP	113	94.5	1335	✓
100	1800	405T	575	RGZZESD	Ball	1MB29214AB213AG3	9036	SA-7XXP	90.4	94.5	1335	✓
100	1200	444T	460	RGZZESD	Roller	1MB29214CC112AG3	12089	SA-7XXP	117	94.5	1700	✓
100	1200	444T	575	RGZZESD	Roller	1MB29214CC113AG3	12089	SA-7XXP	93.6	94.5	1700	✓
100	900	445T	460	RGZZESD	Roller	1MB29214CD212AG3	16772	SA-7XXP	123	94.1	1900	✓
100	900	445T	575	RGZZESD	Roller	1MB29214CD213AG3	16772	SA-7XXP	98.4	94.1	1900	✓

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Class I, Group D, Class II, Groups F & G, Division 1

Stock/Modifiable

RGZZESD

HP	RPM	Frame	Voltage	Type	DE Bearing	Part Number	List Price \$	Multiplier Symbol	FL Amps*	FL Nom. Eff. (%)	Weight (lbs.)	Stock Model
Horizontal, Foot Mounted - continued												
125	3600	444TS	460	RGZZESD	Ball	1MB29214DA112AG3	12674	SA-7XXP	138	94.5	1700	✓
125	3600	444TS	575	RGZZESD	Ball	1MB29214DA113AG3	12674	SA-7XXP	110.4	94.5	1700	
125	1800	444TS	460	RGZZESD	Ball	1MB29214DB112AG3	11878	SA-7XXP	143	95	1700	✓
125	1800	444T	460	RGZZESD	Roller	1MB29214CB112AG3	11878	SA-7XXP	143	95	1700	✓
125	1800	444TS	575	RGZZESD	Ball	1MB29214DB113AG3	11878	SA-7XXP	114.4	95	1700	
125	1800	444T	575	RGZZESD	Roller	1MB29214CB113AG3	11878	SA-7XXP	114.4	95	1700	
125	1200	445T	460	RGZZESD	Roller	1MB29214CC212AG3	14614	SA-7XXP	144	94.5	1900	✓
125	1200	445T	575	RGZZESD	Roller	1MB29214CC213AG3	14614	SA-7XXP	115.2	94.5	1900	
125	900	447T	460	RGZZESD	Roller	1MB29214CD312AG3	18056	SA-7XXP	152	93.6	2450	
125	900	447T	575	RGZZESD	Roller	1MB29214CD313AG3	18056	SA-7XXP	121.6	93.6	2450	
150	3600	445TS	460	RGZZESD	Ball	1MB29214DA212AG3	14940	SA-7XXP	164	95	1900	✓
150	3600	445TS	575	RGZZESD	Ball	1MB29214DA213AG3	14940	SA-7XXP	131.2	95	1900	
150	1800	445TS	460	RGZZESD	Ball	1MB29214DB212AG3	13578	SA-7XXP	170	95.8	1900	✓
150	1800	445T	460	RGZZESD	Roller	1MB29214CB212AG3	13578	SA-7XXP	170	95.8	1900	✓
150	1800	445TS	575	RGZZESD	Ball	1MB29214DB213AG3	13578	SA-7XXP	136	95.8	1900	
150	1800	445T	575	RGZZESD	Roller	1MB29214CB213AG3	13578	SA-7XXP	136	95.8	1900	
150	1200	447T	460	RGZZESD	Roller	1MB29214CC312AG3	16171	SA-7XXP	170	95	2450	✓
150	1200	447T	575	RGZZESD	Roller	1MB29214CC313AG3	16171	SA-7XXP	136	95	2450	
150	900	449T	460	RGZZESD	Roller	1MB29214CD512AG3	22503	SA-7XXP	186	94.1	2535	
150	900	449T	575	RGZZESD	Roller	1MB29214CD513AG3	22503	SA-7XXP	148.8	94.1	2535	
200	3600	447TS	460	RGZZESD	Ball	1MB29214DA312AG3	18801	SA-7XXP	216	95	2450	✓
200	3600	447TS	575	RGZZESD	Ball	1MB29214DA313AG3	18801	SA-7XXP	172.8	95	2450	
200	1800	447TS	460	RGZZESD	Ball	1MB29214DB312AG3	16486	SA-7XXP	225	95.8	2450	✓
200	1800	447T	460	RGZZESD	Roller	1MB29214CB312AG3	16486	SA-7XXP	225	95.8	2450	✓
200	1800	447TS	575	RGZZESD	Ball	1MB29214DB313AG3	16486	SA-7XXP	180	95.8	2450	
200	1800	447T	575	RGZZESD	Roller	1MB29214CB313AG3	16486	SA-7XXP	180	95.8	2450	
200	1200	449T	460	RGZZESD	Roller	1MB29214CC512AG3	19005	SA-7XXP	226	95	2535	✓
200	1200	449T	575	RGZZESD	Roller	1MB29214CC513AG3	19005	SA-7XXP	180.8	95	2535	
200	900	449T	460	RGZZESD	Roller	1MB29214CD612AG3	23829	SA-7XXP	241	94.5	2535	
200	900	449T	575	RGZZESD	Roller	1MB29214CD613AG3	23829	SA-7XXP	192.8	94.5	2535	
250	3600	449TS	460	RGZZESD	Ball	1MB29214DA512AG3	22381	SA-7XXP	267	95.4	2535	
250	3600	449TS	575	RGZZESD	Ball	1MB29214DA513AG3	22381	SA-7XXP	213.6	95.4	2535	
250	1800	449TS	460	RGZZESD	Ball	1MB29214DB512AG3	19289	SA-7XXP	281	95.8	2535	
250	1800	449TS	575	RGZZESD	Ball	1MB29214DB513AG3	19289	SA-7XXP	224.8	95.8	2535	
250	1200	449TS	460	RGZZESD	Ball	1MB29214DC612AG3	22615	SA-7XXP	280	95	2535	
250	1200	449TS	575	RGZZESD	Ball	1MB29214DC613AG3	22615	SA-7XXP	224	95	2535	
300	3600	449TS	460	RGZZESD	Ball	1MB29214DA612AG3	29100	SA-7XXP	323	95.8	2535	
300	3600	449TS	575	RGZZESD	Ball	1MB29214DA613AG3	29100	SA-7XXP	258.4	95.8	2535	
300	1800	449TS	460	RGZZESD	Ball	1MB29214DB612AG3	21928	SA-7XXP	346	95.4	2535	
300	1800	449TS	575	RGZZESD	Ball	1MB29214DB613AG3	21928	SA-7XXP	276.8	95.4	2535	

*FL Amps are at 460V or 575V depending on the voltage rating of the motor.

Hazardous Duty Motors

Class I, Group D, Class II, Groups F & G, Division 1

Stock/Modifiable

RGZZESD

HP	RPM	Frame	Voltage	Type	DE Bearing	Part Number	List Price \$	Multiplier Symbol	FL Amps 460V	FL Nom. Eff. (%)	Weight (lbs.)	Stock Model
C-Face, Vertical with Drip Cover, Footless												
1	1800	143TCV	230/460	RGZZESD	Ball	1MB29211AB216LG3	697	SA-7XXP	1.5	82.5	60	✓
1	1200	145TCV	230/460	RGZZESD	Ball	1MB29211AC316LG3	785	SA-7XXP	1.8	80	80	✓
1	900	182TCV	230/460	RGZZESD	Ball	1MB29211CD116LG3	1315	SA-7XXP	1.9	78.5	130	✓
1.5	3600	143TCV	230/460	RGZZESD	Ball	1MB29211AA216LG3	722	SA-7XXP	2	82.5	70	✓
1.5	1800	145TCV	230/460	RGZZESD	Ball	1MB29211AB316LG3	737	SA-7XXP	2.2	84	80	✓
1.5	1200	182TCV	230/460	RGZZESD	Ball	1MB29211CC116LG3	845	SA-7XXP	2.3	85.5	130	✓
1.5	900	184TCV	230/460	RGZZESD	Ball	1MB29211CD316LG3	1522	SA-7XXP	2.6	80	135	✓
2	3600	145TCV	230/460	RGZZESD	Ball	1MB29211AA316LG3	800	SA-7XXP	2.5	84	72	✓
2	1800	145TCV	230/460	RGZZESD	Ball	1MB29211AB416LG3	778	SA-7XXP	2.9	84	80	✓
2	1200	184TCV	230/460	RGZZESD	Ball	1MB29211CC316LG3	934	SA-7XXP	3	86.5	135	✓
2	900	213TCV	230/460	RGZZESD	Ball	1MB29212AD116LG3	1794	SA-7XXP	3.3	82.5	175	✓
3	3600	182TCV	230/460	RGZZESD	Ball	1MB29211CA116LG3	860	SA-7XXP	3.6	86.5	130	✓
3	1800	182TCV	230/460	RGZZESD	Ball	1MB29211CB116LG3	857	SA-7XXP	3.9	87.5	130	✓
3	1200	213TCV	230/460	RGZZESD	Ball	1MB29212AC116LG3	1105	SA-7XXP	4	87.5	175	✓
3	900	215TCV	230/460	RGZZESD	Ball	1MB29212AD216LG3	2125	SA-7XXP	4.7	84	195	✓
5	3600	184TCV	230/460	RGZZESD	Ball	1MB29211CA316LG3	1016	SA-7XXP	5.8	87.5	135	✓
5	1800	184TCV	230/460	RGZZESD	Ball	1MB29211CB316LG3	941	SA-7XXP	6.5	87.5	135	✓
5	1200	215TCV	230/460	RGZZESD	Ball	1MB29212AC216LG3	1392	SA-7XXP	6.8	88.5	195	✓
5	900	254TCV	230/460	RGZZESD	Ball	1MB29212BD116LG3	2266	SA-7XXP	7.5	86.5	295	✓
7.5	3600	213TCV	230/460	RGZZESD	Ball	1MB29212AA116LG3	1196	SA-7XXP	8.8	88.5	175	✓
7.5	1800	213TCV	230/460	RGZZESD	Ball	1MB29212AB116LG3	1191	SA-7XXP	9.5	89.5	175	✓
7.5	1200	254TCV	230/460	RGZZESD	Ball	1MB29212BC116LG3	1816	SA-7XXP	9.8	90.2	295	✓
7.5	900	256TCV	230/460	RGZZESD	Ball	1MB29212BD216LG3	2731	SA-7XXP	12	87.5	365	✓
10	3600	215TCV	230/460	RGZZESD	Ball	1MB29212AA216LG3	1331	SA-7XXP	12	89.5	195	✓
10	1800	215TCV	230/460	RGZZESD	Ball	1MB29212AB216LG3	1354	SA-7XXP	13	89.5	195	✓
10	1200	256TCV	230/460	RGZZESD	Ball	1MB29212BC216LG3	2108	SA-7XXP	13	90.2	365	✓
15	3600	254TCV	230/460	RGZZESD	Ball	1MB29212BA116LG3	1776	SA-7XXP	17	90.2	295	✓
15	1800	254TCV	230/460	RGZZESD	Ball	1MB29212BB116LG3	1753	SA-7XXP	19	91.7	295	✓
15	1200	284TCV	230/460	RGZZESD	Ball	1MB29212CC116LG3	2893	SA-7XXP	20	91	450	✓
20	3600	256TCV	230/460	RGZZESD	Ball	1MB29212BA216LG3	2081	SA-7XXP	23	90.2	365	✓
20	1800	256TCV	230/460	RGZZESD	Ball	1MB29212BB216LG3	2062	SA-7XXP	26	91.7	365	✓
20	1200	286TCV	230/460	RGZZESD	Ball	1MB29212CC216LG3	3360	SA-7XXP	26	91.7	525	✓

HIGH EFFICIENT
General PurposeHIGH EFFICIENT
Severe DutyHIGH EFFICIENT
Multi-SpeedHIGH EFFICIENT
Hazardous DutyHIGH EFFICIENT
Definite PurposeHIGH EFFICIENT
P-Base VerticalNEMA PREMIUM
General PurposeNEMA PREMIUM
Severe Duty