

Combination Drives — SIMOTICS GP100A and SINAMICS V20 Drives

NEW

The line of SIMOTICS GP100A aluminum frame motors is not an evolution in motor design, but a total revolution. This distinctive line of SIMOTICS NEMA-frame motors is based upon 14 decades of Siemens motor design leadership, manufacturing expertise and application knowledge — combined with innovative and elegant new technologies to provide maximum value.

The GP100A precision die cast aluminum frame with removable feet represents a major step forward in motor design innovation. SIMOTICS GP100A forms a complete system to reduce your total cost of operation. These aluminum frame motors are a line of motors that offers the ultimate in rugged construction, cool operation, high performance and application flexibility with power range from 1-20 HP.

Application Speed Range Performance of Combination:

- ▶ Variable Torque VT 20:1 Frames 143T-256T
- ▶ Constant Torque CT 4:1 Frames 143T-256

Features:

- ▶ Epoxy Enamel Coated Cast Aluminum Frame Provides Optimum Heat Dissipation
- ▶ Cooling Fan and Fan Cover for Optimal Air Flow
- ▶ Non-Hygroscopic Class-F Insulation System with NEMA Class-B Temperature Rise
- ▶ Windings Are Corona Inception Voltage (CIV) Certified to Mitigate Voltage Spikes
- ▶ Condensation Drain Holes on the Motor Frame and the End of the Motor
- ▶ Oversized Polyurea-Based Lubrication for Life Bearings
- ▶ Removable Feet Allow for F1, F2 and F3 Mounting
- ▶ C-Flange
- ▶ Permanently Marked Leads
- ▶ Oversized Cast-Iron Conduit Box That Is Diagonally Split, Neoprene Gasketed and Rotatable in 90° Increments



Standard Foot-Mounted

Stock No.	Mfr.'s Type	SIMOTICS GP100A — 460 V				SINAMICS V20		EACH
		HP	RPM	Frame	FLA	Frame Size	Amps	
70371574	A6X30087689	1.0	3600	143T	1.4	A	2.20	721.29
70371575	A6X30087690	1.0	1800	143T	1.4	A	2.20	721.29
70371576	A6X30087731	1.5	3600	143T	2.0	A	3.10	753.34
70371577	A6X30087733	1.5	1800	145T	2.1	A	3.10	773.74
70371578	A6X30087734	2.0	3600	145T	2.5	A	4.10	830.57
70371579	A6X30087735	2.0	1800	145T	2.8	A	4.10	832.03
70372244	A6X30087739	3.0	3600	182T	3.8	A	4.80	925.29
70372245	A6X30087741	3.0	1800	182T	4.0	A	4.80	939.86
70372246	A6X30087771	5.0	3600	184T	6.0	B	8.24	1152.60
70372247	A6X30087772	5.0	1800	184T	6.5	B	8.24	1108.89
70372248	A6X30087773	7.5	3600	213T	8.8	C	11.00	1425.09
70372249	A6X30087774	7.5	1800	213T	9.7	C	11.00	1404.69
70372220	A6X30087775	10.0	3600	215T	11.5	D	16.50	1716.51
70372221	A6X30087776	10.0	1800	215T	12.5	D	16.50	1716.51
70372222	A6X30087777	15.0	3600	254T	17.5	D	21.00	2214.86
70372223	A6X30087778	15.0	1800	254T	19.0	D	21.00	2152.20
70372224	A6X30087779	20.0	3600	256T	22.5	D	31.00	2630.14
70372225	A6X30087780	20.0	1800	256T	25.0	D	31.00	2570.40

C-Flange

Stock No.	Mfr.'s Type	SIMOTICS GP100A — 460 V				SINAMICS V20		EACH
		HP	RPM	Frame	FLA	Frame Size	Amps	
70372226	A6X30087781	1.0	3600	143TC	1.4	A	2.20	791.23
70372227	A6X30087782	1.0	1800	143TC	1.4	A	2.20	791.23
70372228	A6X30087783	1.5	3600	143TC	2.0	A	3.10	820.37
70372229	A6X30087784	1.5	1800	145TC	2.1	A	3.10	842.23
70372230	A6X30087785	2.0	3600	145TC	2.5	A	4.10	901.97
70372231	A6X30087786	2.0	1800	145TC	2.8	A	4.10	901.97
70372232	A6X30087787	3.0	3600	182TC	3.8	A	4.80	1024.37
70372233	A6X30087788	3.0	1800	182TC	4.0	A	4.80	1038.94
70372234	A6X30087789	5.0	3600	184TC	6.0	B	8.24	1258.97
70372235	A6X30087790	5.0	1800	184TC	6.5	B	8.24	1210.89
70372236	A6X30087801	7.5	3600	213TC	8.8	C	11.00	1534.37
70372237	A6X30087802	7.5	1800	213TC	9.7	C	11.00	1512.51
70372238	A6X30087803	10.0	3600	215TC	11.5	D	16.50	1825.80
70372239	A6X30087804	10.0	1800	215TC	12.5	D	16.50	1825.80
70372240	A6X30087805	15.0	3600	254TC	17.5	D	21.00	2321.23
70372241	A6X30087806	15.0	1800	254TC	19.0	D	21.00	2296.46
70372242	A6X30087807	20.0	3600	256TC	22.5	D	31.00	2786.06
70372243	A6X30087808	20.0	1800	256TC	25.0	D	31.00	2723.40

Accessories



Stock No.	Mfr.'s Type	Description	EACH
70281798	6SL3256-0VP00-0VA0	SINAMICS Operator Panel Door Mounting Kit (with 3 m Connection Cable)	33.01
70281790	6SL3255-0VA00-2AA0	SINAMICS V20 Basic Operator Panel (BOP) Interface	53.99
70281791	6SL3255-0VA00-4BA0	SINAMICS V20 Remote BOP	76.00
70281789	6SL3255-0VE00-0UA0	Parameter Loader	122.00
70394283	6SL3054-4AG00-2AA0	SINAMICS SD Memory Card, 512 MB	84.00
70281792	6SL3201-2AD20-8VA0	Braking Module, 1AC 230 V: 8 A; 3AC 400 V: 7 A	189.99

MOTOR CONTROLS, DRIVES & CONTACTORS

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