

MODIFIED STANDARD V*S DRIVES

GV6000 Drives: 575 VAC

- Standard LCD OIM included on power modules
- Encoder feedback

Refer to the Standard Motors and Drives Catalog for Standard features and Standard options.



575 VAC Base Drive Model Number ⁽³⁾	6V51-2P7TA	6V51-3P9TA	6V51-6P1TA	6V51-9P0TA	6V51-011TA	6V51-017TA	6V51-022TA	6V51-027TA	6V51-032TA	6V51-041TA	6V51-052TA
HP Rating (110% Overload)	2	3	5	7.5	10	15	20	25	30	40	50
HP Rating (150% Overload)	1.5	2	3	5	7.5	10	15	20	25	30	40
FLA @ 4 kHz	2.7	3.9	6.1	9.0	11.0	17.0	22.0	27.0	32.0	40.0	50.0
Base Drive List	\$1,945	\$1,945	\$2,064	\$2,387	\$2,751	\$3,292	\$3,817	\$4,644	\$5,704	\$6,703	\$8,325
Enclosure Options											
NEMA 1 Cabinet	3,350	3,350	3,350	3,650	3,650	3,650	3,650	3,650	3,950	3,950	3,950
NEMA 4/12 Cabinet	3,500	3,500	3,500	3,800	3,800	7,800 ⁽²⁾	7,800 ⁽²⁾	7,800 ⁽²⁾	7,800 ⁽²⁾	8,200 ⁽²⁾	8,600 ⁽²⁾
Input Protection & Disconnect Options											
Input Fuses Only	158	158	158	158	158	178	178	245	317	317	611
Fused Disconnect Switch & Door Handle	403	403	403	403	403	423	423	505	757	757	1,208
Circuit Breaker Only	752	752	752	752	752	752	865	865	865	865	911
Circuit Breaker Disconnect & Door Handle	1,018	1,018	1,018	1,018	1,018	1,018	1,131	1,131	1,131	1,131	1,177
Door Mounted Operator Devices											
Door Mounted OIM	600	600	600	600	600	600	600	600	600	600	600
Maintained Start/Stop Switch	106	106	106	106	106	106	106	106	106	106	106
Momentary Start/Stop Pushbuttons	172	172	172	172	172	172	172	172	172	172	172
E-Stop Pushbutton (Mushroom Head)	120	120	120	120	120	120	120	120	120	120	120
Jog Pushbutton	86	86	86	86	86	86	86	86	86	86	86
2 or 3 Position Selection Switch	120	120	120	120	120	120	120	120	120	120	120
Pilot Light ⁽¹⁾	86	86	86	86	86	86	86	86	86	86	86
Contactors, Overloads, Starters, Control Transformers & Line Reactors											
Input Contactor ⁽¹⁾	342	342	342	342	467	467	467	467	467	467	467
Output Contactor ⁽¹⁾	342	342	342	342	467	467	467	467	467	467	467
Drive Bypass Control ⁽¹⁾	932	932	932	932	1,185	1,185	1,185	1,185	1,185	1,185	1,286
Motor Overload Relay	181	181	181	181	181	181	181	181	181	181	376
Blower Motor Starter ⁽¹⁾	408	408	408	408	408	408	408	408	408	408	408
Control Transformer: 575:120 VAC, 250VA	375	375	375	375	375	375	375	375	375	375	375
3% Impedance Input Line Reactor	323	323	323	384	437	461	461	496	511	640	774
Dynamic Braking - Transistor + Resistor											
6-10% Duty Braking	Contact Factory										
>10% Duty Braking	Contact Factory										

(1) Requires Control Transformer option

(2) Usually includes a cooling device and control transformer

(3) For 115 VAC I/O, change the last alpha digit of the model number from A to B. A = 24 VDC I/O and B = 115 VAC I/O

DISCOUNT: MS-1AC

GV6000 AC Drives

MODIFIED STANDARD DRIVES

GV6000 Drives: 575 VAC

575 Base Drive Model Number	6V51-062TA	6V51-077NA	6V51-099NA	6V51-125NA	6V51-144NA
HP Rating (110% Overload)	60	75	100	125	150
HP Rating (150% Overload)	50	60	75	100	125
FLA @ 4 kHz	62	77	99	125	144
Base Drive List	\$10,067	\$11,102	\$13,177	\$14,690	\$16,078
Enclosure Options					
NEMA 1 Cabinet	3,950	5,525	6,050 ⁽²⁾	6,050 ⁽²⁾	6,050 ⁽²⁾
NEMA 1A Force Vent with Fan & Filter ⁽³⁾	692	692	Std.	Std.	Std.
NEMA 4/12 Cabinet ⁽²⁾	9,500	14,475	14,475	CF	CF
Input Protection & Disconnect Options					
Input Fuses Only	611	611	1,054	1,102	1,102
Fused Disconnect Switch & Door Handle	1,208	1,208	2,114	2,162	2,162
Circuit Breaker Only	911	911	1,074	1,074	1,363
Circuit Breaker Disconnect & Door Handle	1,177	1,177	1,426	1,426	1,715
Door Mounted Operator Devices					
Door Mounted OIM	600	600	600	600	600
Maintained Start/Stop Switch	106	106	106	106	106
Momentary Start/Stop Pushbuttons	172	172	172	172	172
E-Stop Pushbutton (Mushroom Head)	120	120	120	120	120
Jog Pushbutton	86	86	86	86	86
2 or 3 Position Selection Switch	120	120	120	120	120
Pilot Light ⁽¹⁾	86	86	86	86	86
Contactors, Overloads, Starters, Control Transformers & Line Reactors					
Input Contactor ⁽¹⁾	1,260	1,260	1,260	1,951	1,951
Output Contactor ⁽¹⁾	1,260	1,260	1,260	1,951	1,951
Drive Bypass Control ⁽¹⁾	3,220	3,220	3,220	4,080	4,080
Motor Overload Relay	376	376	376	430	430
Blower Motor Starter ⁽¹⁾	408	408	408	408	408
Control Transformer: 575:120 VAC, 250VA	375	375	375	375	375
3% Impedance Input Line Reactor	900	1,114	1,292	1,480	2,101
Dynamic Braking - Transistor + Resistor (requires substituting TA or TB model)					
6-10% Duty Braking	Contact Factory				
>10% Duty Braking	Contact Factory				

(1) Requires Control Transformer option

(2) Usually includes a cooling device and control transformer

(3) Add to NEMA 1 Option

CF = Contact Factory

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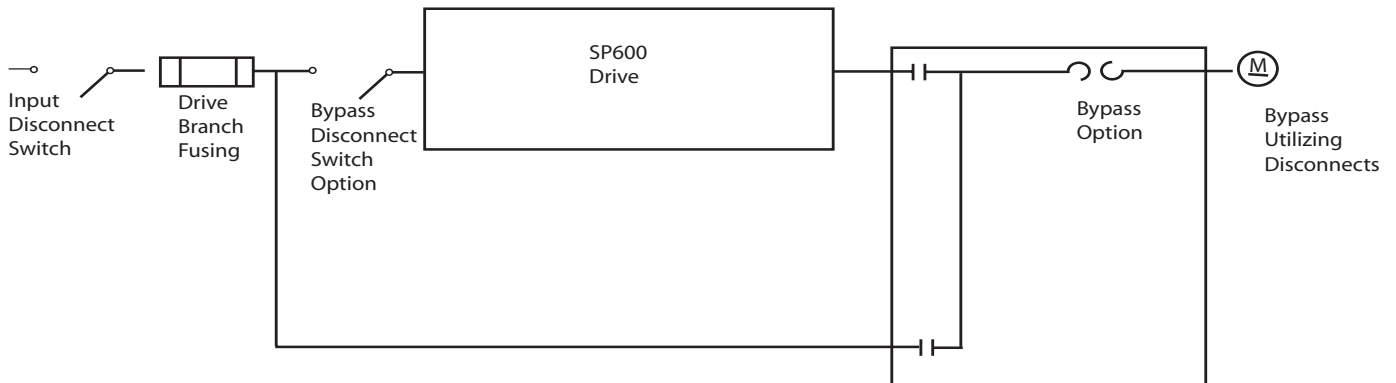
Communication Modules - Network Options

Network connectivity can be achieved by adding one of the options listed below:

Model Number	Description	List
RECOMM-DNET	DeviceNet	\$428
RECOMM-CNET	ControlNet	568
RECOMM-PBUS	Profibus	594
RECOMM-IBUS	Interbus-s	776
RECOMM-ENET	EtherNet IP	594
RECOMM-485	RS485 DF1	407
RECOMM-H85	Modbus-RTU	640

GV6000 Power Distribution Options

The following section details commonly requested power distribution modifications. These modifications require the selection of an enclosure option.



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GV6000 AC Drives

GV6000 ENCLOSURE DIMENSIONS

HP VAC	Cabinet Version		
	460/575 AC	IP20 / NEMA 1	IP65 / NEMA 4
.5 - 3	A	B	B
5.0	A	B	B
7.5 - 15	B	C	C
20	B	C ⁽²⁾	C ⁽²⁾
25 - 30	C	C ⁽²⁾	C ⁽²⁾
40	C	C ⁽²⁾	C ⁽²⁾
50	C	C ⁽²⁾	C ⁽²⁾
60	C	C ⁽²⁾	C ⁽²⁾
75	D	E ⁽²⁾	D ⁽²⁾
100	D ⁽¹⁾	E ⁽²⁾	D ⁽²⁾
125	D ⁽¹⁾	E ⁽²⁾	D ⁽²⁾
150	D ⁽¹⁾	E ⁽²⁾	D ⁽²⁾
200	D ⁽¹⁾	E ⁽²⁾	D ⁽²⁾

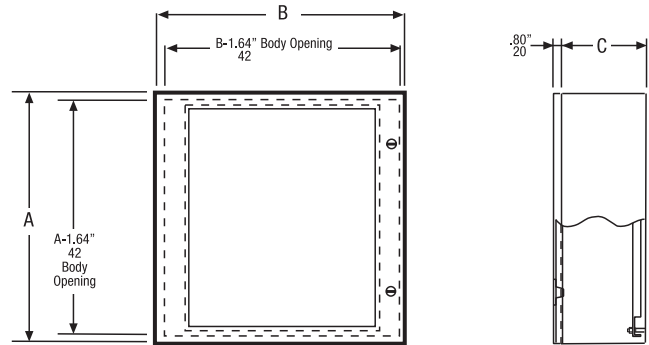
(1) NEMA 1 drives 100 - 200 HP will usually include a door mounted fan and filter.

(2) NEMA 4 - 12 drives 30 - 200 HP are usually supplied with a cooling device.

Wall-Mounted Cabinets*

Cabinet Version	Enclosure Size (AxBxC) mm(in)	Approximate Weight kg(lb)
A	610(24)x610(24)x406(16)	40(89)
B	914(36)x762(30)x406(16)	47(103)
C	1219(48)x914(36)x406(16)	59(130)

Wall-mounted cabinets are gray with white interior panels. Add 8 inches to the width if cooling device is supplied.



Front View

Side View

Floor-Mounted Cabinets*

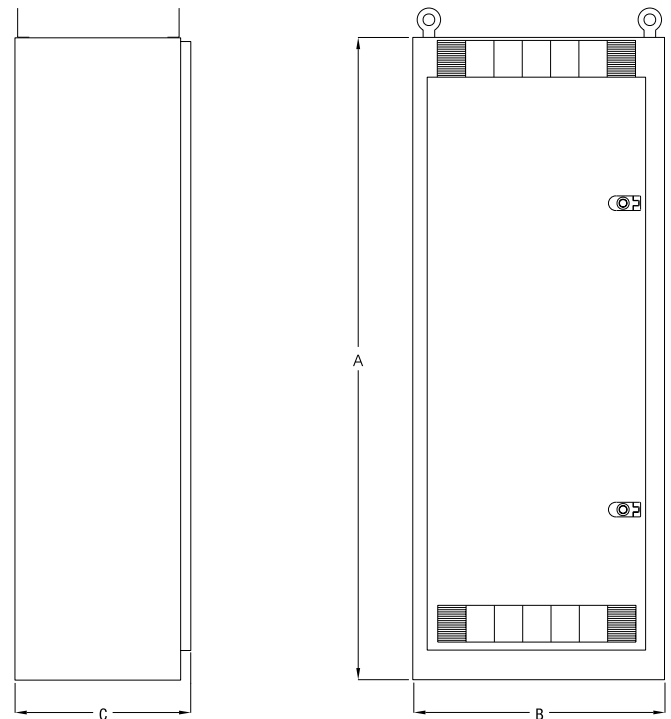
Cabinet Version	Enclosure Size (A x B x C) mm (in)	Approximate Weight kg(lb)
D	2204 (87) x 864 (34) x 610 (24)	328 (725)
E	1830 (72) x 914 (36) x 610 (24)	328 (725)

- Version "E" is NEMA 4 only.
- Version "D" cabinet is gray with a white interior panel.
- Version "E" cabinet is gray with a white interior panel.

Enclosures with heat exchanges add about 10 inches to the width.

Enclosures with air conditioners add 15 inches to the width.

* Dimensions are estimates and are subject to change after engineering and drafting.



Front View

Side View