

# SP600 AC Drives

## WALL MOUNT Drives (SP MODELS)

- Motor Power Rating: 0.5 to 50 HP (0.33 to 37 kW)
- Input Voltage: 575, 600 VAC, 50/60 Hz
- Enclosure: NEMA 1 Ventilated/IP20
- Mounting: Wall/Machine – Panel Mount as IP20
- Models available with LCD OIM keypad
- Zero clearance side by side mounting



SP600 Shown with LCD OIM

## 600 VAC, 50/60 Hz Input: Rating 0.5 to 50 HP

NEMA 1/IP20 Model Number	Frame Size	With OIM	With Filter	Horsepower Rating		Drive Amps @ 575 V			List
				110% OL	150% OL <sup>(1)</sup>	Continuous <sup>(2)</sup>	1 Min.	3 Sec.	
				VT Applications	CT Applications				
6SP501	-0P9BTNN	A	•	0.5	0.33	0.9	1	1.4	\$1,232
	* -0P9CTNN	A	•						1,414
	-1P7BTNN	A	•	1	0.75	1.7	2	2.6	1,253
	* -1P7CTNN	A	•						1,435
	-2P7BTNN	B	•	2	1.5	2.7	3.6	4.8	1,362
	* -2P7CTNN	B	•						1,544
	-3P9BTNN	B	•	3	2	3.9	4.3	5.8	1,414
	* -3P9CTNN	B	•						1,596
	-6P1BTNN	B	•	5	3	6.1	6.7	9.1	1,503
	* -6P1CTNN	B	•						1,685
	-9P0BTNN	C	•	7.5	5	9	9.9	13.5	1,721
	* -9P0CTNN	C	•						1,903
	-011BTNN	C	•	10	7.5	11	13.5	18	2,064
	* -011CTNN	C	•						2,246
	-017BTNN	D	•	15	10	17	18.8	25.5	2,605
	* -017CTNN	D	•						2,787
	-022BTNN	D	•	20	15	22	25.5	34	3,146
	* -022CTNN	D	•						3,328
	-027BTNN	D	•	25	20	27	33	44	3,973
	* -027CTNN	D	•						4,207
-032BTNN	D	•	30	25	32	40.5	54	5,034	
* -032CTNN	D	•						5,268	
-041BTNN	E	•	40	30	41	48	64	5,980	
* -041CTNN	E	•						6,214	
-052BTNN	E	•	50	40	52	61.5	82	7,514	
* -052CTNN	E	•						7,748	

(1) Overload of 150% of rated current for 1 minute dependant on actual motor full load amps versus drive continuous amp rating.

(2) Rated for 600 VAC input and 4 kHz switching frequency.

Model Numbers 6SP501- xxxBTNN are without OIM. OIM option available. See page D-40 for information.

Model Numbers 6SP501- xxxCTNN are with OIM.

All models are 24VDC Inputs. See option AK-M9-115VAC-1 on page D-39 for 115VAC Inputs.

\* Normally carried in stock

DISCOUNT VS-1AC

# SP600 AC Drives

Introduction

## WALL MOUNT drives (SB MODELS)



- Motor Power Rating: 20 to 150 HP (15 to 110 kW)
- Input Voltage: 575 - 600 VAC, 50/60 Hz
- Enclosure NEMA 1 Ventilated/IP20
- Mounting: Panel mount zero clearance stackable
- Models available with LCD OIM keypad
- Models available with 24 VDC or 120 VAC I/O



AC Drives

## 600 VAC, 50/60 Hz Input: Rating 20 to 150 HP

NEMA 1/IP20 Model Number	Frame Size	With OIM	With Brake	With Filter	Horsepower Rating		Drive Amps @ 600 V			List
					110% OL	150% OL <sup>(1)</sup>	Continuous <sup>(2)</sup>	1 Min.	3 Sec.	
					VT Applications	CT Applications				
-022BTNNA	2	•	•	•	20	15	22	25.5	34	\$3,510
* -022CTNNA										3,744
-027BTNNA	2	•	•	•	25	20	27	33	44	4,336
* -027CTNNA										4,570
-032BTNNA	3	•	•	•	30	25	32	40.5	54	5,397
* -032CTNNA										5,631
-041BTNNA	3	•	•	•	40	30	41	48	64	6,396
* -041CTNNA										6,630
-052BTNNA	3	•	•	•	50	40	52	61.5	82	8,018
* -052CTNNA										8,252
-062CNNA	4	•	•	•	60	50	62	78	104	9,583
* -062CTNNA										9,994
-077CNNA	5	•	•	•	75	60	77	85	116	11,029
* -077CTNNA										11,752
-099CNNA	5	•	•	•	100	75	99	109	126	13,104
* -099CTNNA										13,826
-125CNNA	6	•	•	•	125	100	125	138	188	14,617
* -125CTNNA										15,444
-144CNNA	6	•	•	•	150	125	144	158	216	16,005
* -144CTNNA										16,832

(1) Overload of 150% of rated current for 1 minute dependant on actual motor full load amps versus drive continuous amp rating.

(2) Rated for 600 VAC input and 4 kHz switching frequency.

Model Numbers 6SB501- xxxBTNNA are 24VDC Inputs without OIM. OIM option available. See page D-40 for information

Model Numbers 6SB501- xxxCTNNA are 24VDC Inputs with OIM.

Model Numbers for 115 VAC Inputs are non-stock. Consult factory.

Analog DC Drives

Digital DC Drives

Options & Accessories

Product Demonstrators and Training

\* Normally carried in stock

DISCOUNT VS-1AC

# SP600 AC Drives

## WASHDOWN DRIVES

- Power Rating: 0.5 to 25 HP (0.33 to 18.5 kW)
- Voltage: 200, 208 & 240 VAC, 50/60 Hz
- Enclosure: NEMA 4X/12 Washdown/Dustproof/IP66
- Mounting: Wall/Machine
- OIM/Keypad: LCD OIM factory installed



## 200 - 240 VAC, 50/60 Hz Input: Ratings 0.5 to 25 HP

NEMA 4X/12/IP66 Model Number	Frame Size	Horsepower Rating		Drive Amps @ 240 V <sup>(3)</sup>			List	
		110% OL	150% OL <sup>(1)</sup>	Continuous <sup>(2)</sup>	1 Min.	3 Sec.		
		VT Applications	CT Applications					
6SP24X	* -2P2CTNN	B4	0.5	0.33	2.2	2.4	3.3	\$1,060
	-2P2CTAN	B4	0.5	0.33	2.2	2.4	3.3	1,148
	* -4P2CTNN	B4	1	0.75	4.2	4.8	6.4	1,165
	-4P2CTAN	B4	1	0.75	4.2	4.8	6.4	1,253
	* -6P8CTNN	B4	2	1.5	6.8	9	12	1,270
	-6P8CTAN	B4	2	1.5	6.8	9	12	1,358
	* -9P6CTNN	B4	3	2	9.6	10.6	14.4	1,395
	-9P6CTAN	B4	3	2	9.6	10.6	14.4	1,483
	* -015CTAN	D4	5	3	15.3	17.4	23.2	1,695
	* -022CTAN	D4	7.5	5	22	24.2	33	2,050
	* -028CTAN	D4	10	7.5	28	33	44	2,820
	* -042CTAN	D4	15	10	42	46.2	63	3,422
	* -054CTAN	E4	20	15	54	63	84	4,285
	* -070CTAN	E4	25	20	70	81	108	5,273

(1) Overload of 150% or more for 1 minute. Dependant upon actual motor full load amp rating versus the drive continuous amp rating.

(2) Rated for 240 VAC input and 4 kHz switching frequency.

(3) See amp rating chart for currents @ 208 VAC.

All models are 24VDC Inputs. See option AK-M9-115VAC-1 on page D-39 for 115VAC Inputs.

\* Normally carried in stock

DISCOUNT VS-1AC

## WASHDOWN DRIVES

- Power Rating: 0.5 to 50 HP (0.33 to 37 kW)
- Voltage: 380, 400, 415 & 480 VAC, 50/60 Hz
- Enclosure: NEMA 4X/12 Washdown/Dustproof/IP66
- Mounting: Wall/Machine - Panel Mount as IP20
- OIM/Keypad: LCD OIM factory installed



## 380 - 480 VAC, 50/60 Hz Input: Ratings 0.5 to 50 HP

NEMA 4X/12/IP66 Model Number	Frame Size	Horsepower Rating		Drive Amps @ 480 V <sup>(3)</sup>			List	
		110% OL	150% OL <sup>(1)</sup>	Continuous <sup>(2)</sup>	1 Min.	3 Sec.		
		VT Applications	CT Applications					
6SP44X	* -1P1CTNN	B4	0.5	0.33	1.1	1.2	1.6	\$1,415
	-1P1CTAN	B4	0.5	0.33	1.1	1.2	1.6	1,503
	* -2P1CTNN	B4	1	0.75	2.1	2.4	3.2	1,480
	-2P1CTAN	B4	1	0.75	2.1	2.4	3.2	1,568
	* -3P4CTNN	B4	2	1.5	3.4	4.5	6	1,665
	-3P4CTAN	B4	2	1.5	3.4	4.5	6	1,753
	* -005CTNN	B4	3	2	5	5.5	7.5	1,945
	-005CTAN	B4	3	2	5	5.5	7.5	2,033
	* -008CTNN	B4	5	3	8	8.8	12	2,225
	-008CTAN	B4	5	3	8	8.8	12	2,313
	* -011CTAN	D4	7.5	5	11	12.1	16.5	2,735
	* -014CTAN	D4	10	7.5	14	16.5	22	2,955
	* -022CTAN	D4	15	10	22	24.2	33	3,795
	* -027CTAN	D4	20	15	27	33	44	4,545
	* -034CTAN	D4	25	20	34	40.5	54	5,616
	* -040CTAN	D4	30	25	40	51	68	6,968
* -052CTAN	E4	40	30	52	60	80	8,668	
* -065CTAN	E4	50	40	65	78	104	10,182	

(1) Overload of 150% or more for 1 minute. Dependant upon actual motor full load amp rating versus the drive continuous amp rating.

(2) Rated for 480 VAC input and 4 kHz switching frequency.

(3) See amp rating chart for currents @ 400 VAC.

All models are 24VDC Inputs. See option AK-M9-115VAC-1 on page D-39 for 115VAC Inputs.

\* Normally carried in stock

DISCOUNT VS-1AC

## WASHDOWN DRIVES

- Power Rating: 0.5 to 50 HP (0.33 to 37 kW)
- Voltage: 575, 600 VAC, 50/60 Hz
- Enclosure: NEMA 4X/12 Washdown/Dustproof/IP66
- Mounting: Wall/Machine - Panel Mount as IP20
- OIM/Keypad: LCD OIM factory installed



## 600 VAC, 50/60 Hz Input: Ratings 0.5 to 50 HP

NEMA 4X/12/IP66 Model Number	Frame Size	Horsepower Rating		Drive Amps @ 600V			List	
		110% OL	150% OL <sup>(1)</sup>	Continuous <sup>(2)</sup>	1 Min.	3 Sec.		
		VT Applications	CT Applications					
6SP54X	* -0P9CTNN	B4	0.5	0.33	0.9	1	1.4	\$1,645
	* -1P7CTNN	B4	1	0.75	1.7	2	2.6	1,665
	* -2P7CTNN	B4	2	1.5	2.7	3.6	4.8	1,945
	* -3P9CTNN	B4	3	2	3.9	4.3	5.8	2,235
	* -6P1CTNN	B4	5	3	6.1	6.7	9.1	2,445
	* -9P0CTNN	D4	7.5	5	9	9.9	13.5	2,755
	* -011CTNN	D4	10	7.5	11	13.5	18	3,255
	* -017CTNN	D4	15	10	17	18.8	25.5	4,035
	* -022CTNN	D4	20	15	22	25.5	34	4,815
	* -027CTNN	D4	25	20	27	33	44	5,834
	* -032CTNN	D4	30	25	32	40.5	54	7,374
	* -041CTNN	E4	40	30	41	48	64	8,746
* -052CTNN	E4	50	40	52	61.5	82	10,972	

(1) Overload of 150% or more for 1 minute. Dependant upon actual motor full load amp rating versus the drive continuous amp rating.

(2) Rated for 600 VAC input and 4 kHz switching frequency.

All models are 24VDC Inputs. See option AK-M9-115VAC-1 on page D-39 for 115VAC Inputs.

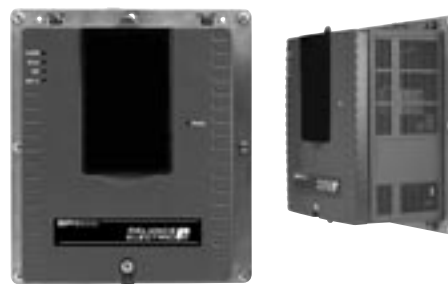
\* Normally carried in stock

DISCOUNT VS-1AC

## FLANGE MOUNT DRIVES



- **Motor Power Rating:** 0.5 to 25 HP (0.33 to 18.5 kW)
- **Input Voltage:** 200-208, 240 VAC, 50/60 Hz
- **Mounting:** Flange Mount as IP20/NEMA 1
- **Models without LCD OIM keypad; use remote keypad or order separately**



SP600 Flange Mount

### 200 - 240 VAC, 50/60 Hz Input: Ratings 0.5 to 25 HP

Flanged IP20 Model Number	Frame Size	With OIM	With Filter	Horsepower Rating		Drive Amps @ 240 V <sup>(3)</sup>			List
				110% OL	150% OL <sup>(1)</sup>	Continuous <sup>(2)</sup>	1 Min.	3 Sec.	
				CT Applications	VT Applications				
6SP21F	-2P2BTNN	A		0.5	0.33	2.2	2.4	3.3	\$785
	-2P2BTAN	B	•						882
	-4P2BTNN	A		1	0.75	4.2	4.8	6.4	874
	-4P2BTAN	B	•						971
	-6P8BTNN	B		2	1.5	6.8	9	12	998
	-6P8BTAN	B	•						1,095
	-9P6BTNN	B		3	2	9.6	10.6	14.4	1,108
	-9P6BTAN	B	•						1,205
	-015BTAN	C	•	5	3	15.3	17.4	23.2	1,388
	-022BTAN	D	•	7.5	5	22	24.2	33	1,747
	-028BTAN	D	•	10	7.5	28	33	44	2,137
	-042BTAN	D	•	15	10	42	46.2	63	2,595
-054BTAN	E	•	20	15	54	63	84	3,302	
-070BTAN	E	•	25	20	70	81	108	4,061	

(1) Overload of 150% of rate current for 1 minute dependant on actual motor full load amps versus drive continuous amp rating.

(2) Rated for 240 VAC input and 4 kHz switching frequency.

(3) See amp rating chart for currents @ 208 VAC.

Model Numbers 6SP21F- xxxBxxx are without OIM. OIM option available. See page D-40 for information.

Model Numbers 6SP21F- xxxBxAx are with internal EMC filter.

All models are 24VDC Inputs. See option AK-M9-115VAC-1 on page D-39 for 115VAC Inputs.

\* Normally carried in stock

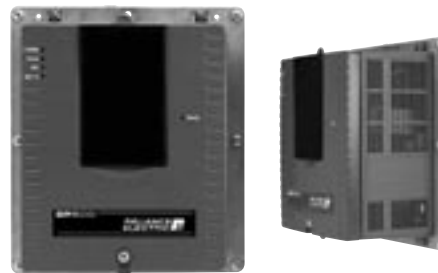
DISCOUNT VS-1AC

# SP600 AC Drives

## FLANGE MOUNT DRIVES



- Power Rating: 0.5 to 50 HP (0.33 to 37 kW)
- Voltage: 380, 400, 415, 480 VAC, 50/60 Hz
- Mounting: Flange Mount as IP20/NEMA1
- Models without LCD OIM keypad; use remote keypad or order separately



SP6000 Flange Mount

### 380 - 480 VAC, 50/60 Hz Input: Ratings 0.5 to 50 HP

Flanged IP20 Model Number	Frame Size	With OIM	With Filter	Horsepower Rating		Drive Amps @ 480 V <sup>(3)</sup>			List
				110% OL	150% OL <sup>(1)</sup>	Continuous <sup>(2)</sup>	1 Min.	3 Sec.	
				CT Applications	VT Applications				
6SP41F	-1P1BTNN	A		0.5	0.33	1.1	1.2	1.6	\$1,004
	-1P1BTAN	B	•						1,101
	-2P1BTNN	A		1	0.75	2.1	2.4	3.2	1,056
	-2P1BTAN	B	•						1,153
	-3P4BTNN	A		2	1.5	3.4	4.5	6	1,113
	-3P4BTAN	B	•						1,210
	-005BTNN	A		3	2	5	5.5	7.5	1,253
	-005BTAN	B	•						1,350
	-008BTNN	B		5	3	8	8.8	12	1,446
	-008BTAN	B	•						1,543
	-011BTAN	C	•	7.5	5	11	12.1	16.5	1,830
	-014BTAN	C	•	10	7.5	14	16.5	22	1,981
	-022BTAN	D	•	15	10	22	24.2	33	2,600
	-027BTAN	D	•	20	15	27	33	44	3,115
	-034BTAN	D	•	25	20	34	40.5	54	3,812
-040BTAN	D	•	30	25	40	51	68	4,748	
-052BTAN	E	•	40	30	52	60	80	5,725	
-065BTAN	E	•	50	40	65	78	104	7,181	

(1) Overload of 150% or more for 1 minute. Dependant upon actual motor full load amp rating versus the drive continuous amp rating.

(2) Rated for 480 VAC input and 4 kHz switching frequency.

(3) See amp rating chart for currents @ 400 VAC.

Model Numbers 6SP41F-xxxBxxx are without OIM. OIM option available. See page D-40 for information.

Model Numbers 6SP41F- xxxBxAx are with internal EMC filter.

All models are 24VDC Inputs. See option AK-M9-115VAC-1 on page D-39 for 115VAC Inputs.

DISCOUNT VS-1AC

## FLANGE MOUNT DRIVES



- **Motor Power Rating: 0.5 to 50 HP (0.33 to 37 kW)**
- **Input Voltage: 575, 600 VAC, 50/60 Hz**
- **Mounting: Flange Mount as IP20/NEMA1**
- **Models available without LCD OIM keypad; use remote keypad or order separately**



## 600 VAC, 50/60 Hz Input: Rating 0.5 to 50 HP

Flanged IP20 Model Number	Frame Size	With OIM	With Filter	Horsepower Rating		Maximum Drive Current (Amps)			List
				110% OL	150% OL <sup>(1)</sup>	Continuous <sup>(2)</sup>	1 Min.	3 Sec.	
				CT Applications	VT Applications				
6SP51F	-0P9BTNN	A		0.5	0.33	0.9	1	1.4	\$1,295
	-1P7BTNN	A		1	0.75	1.7	2	2.6	1,316
	-2P7BTNN	A		2	1.5	2.7	3.6	4.8	1,425
	-3P9BTNN	B		3	2	3.9	4.3	5.8	1,508
	-6P1BTNN	B		5	3	6.1	6.7	9.1	1,596
	-9P0BTNN	C		7.5	5	9	9.9	13.5	1,846
	-011BTNN	C		10	7.5	11	13.5	18	2,189
	-017BTNN	D		15	10	17	18.7	25.5	2,761
	-022BTNN	D		20	15	22	25.5	34	3,302
	-027BTNN	D		25	20	27	33	44	4,129
	-032BTNN	D		30	25	32	40.5	54	5,190
-041BTNN	E		40	30	41	48	64	6,167	
-052BTNN	E		50	40	52	61.5	82	7,701	

(1) Overload of 150% for 1 minute dependant on actual motor full load amps versus drive continuous amp rating.

(2) Rated for 600 VAC input and 4 kHz switching frequency.

All models are 24VDC Inputs. See option AK-M9-115VAC-1 on page D-39 for 115VAC Inputs.

\* Normally carried in stock

DISCOUNT VS-1AC