

HITACHI

Inspire the Next

AC VARIABLE SPEED DRIVES

FOR THE CRANE & HOIST INDUSTRY

SJ200 SERIES

SJ700 SERIES

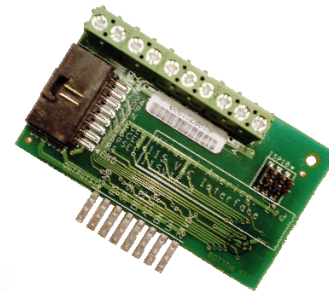
DRIVE SOFTWARE

ACCESSORIES



USA List Price Book

October 2009



Hitachi America, Ltd.
Industrial Systems Division-Industrial Components
50 Prospect Avenue
Tarrytown, NY 10591

Orders: inverter-po@hal.hitachi.com
Inquiries: inverterinfo@hal.hitachi.com
FAX: (914) 631-3672

HAL110-LP1009CH
Effective 10-1-2009
Supersedes March 2009

SJ200 SERIES

SENSORLESS VECTOR MICRODRIVES

Model Number	List Price	Rated HP	Rated Amps
Input voltage: 200-240 volt, 1 or 3 phase			
SJ200-002NFU2	\$225	1/4	1.6
SJ200-004NFU2	\$305	1/2-3/4	2.6
SJ200-007NFU2	\$345	1	4.0
SJ200-015NFU2	\$435	2	8.0
SJ200-022NFU2	\$520	3	11.0
Input voltage: 200-240 volt, 3 phase			
SJ200-037LFU2	\$585	5	17.5
SJ200-055LFU2	\$900	7.5	24
SJ200-075LFU2	\$1,100	10	32
Input voltage 380-480 volt, 3 phase			
SJ200-004HFU2	\$340	1/2	1.5
SJ200-007HFU2	\$410	1	2.5
SJ200-015HFU2	\$440	2	3.8
SJ200-022HFU2	\$540	3	5.5
SJ200-040HFU2	\$700	5	8.6
SJ200-055HFU2	\$990	7.5	13
SJ200-075HFU2	\$1,200	10	16



Features

High starting torque delivered through unique Hitachi iSLV (intelligent sensorless vector) control

Autotuning not required

Easy operation and setup by standard keypad (shown)

Enhanced remote keypad and ProDrive PC-based configuration software optional

Dynamic braking circuit standard

Removable intelligent input terminals

Powerful feature set:

- *Advanced trip avoidance function*
- *Sink/source switch-selectable*
- *Timing logic built in*
- *RS485 Modbus/RTU standard*
- *And much more...*

SJ700 SERIES

LARGE CAPACITY – ADVANCED HIGH PERFORMANCE VECTOR DRIVES

Model Number	List Price	Rated HP	Rated Amps
Input voltage: 200-240 volt, 3 phase			
SJ700-004LFUF2	\$570	1/2	3.0
SJ700-007LFUF2	\$607	1	5.0
SJ700-015LFUF2	\$699	2	7.5
SJ700-022LFUF2	\$846	3	10.5
SJ700-037LFUF2	\$975	5	16.5
SJ700-055LFUF2	\$1,122	7.5	24
SJ700-075LFUF2	\$1,362	10	32
SJ700-110LFUF2	\$1,702	15	46
SJ700-150LFUF2	\$2,245	20	64
SJ700-185LFUF2	\$2,742	25	76
SJ700-220LFUF2	\$3,165	30	95
SJ700-300LFUF2	\$4,306	40	121
SJ700-370LFUF2	\$5,410	50	145
SJ700-450LFUF2	\$6,146	60	182
SJ700-550LFUF2	\$6,882	75	220

Model Number	List Price	Rated HP	Rated Amps
Input voltage 380-480 volt, 3 phase			
SJ700-007HFUF2	\$828	1	2.5
SJ700-015HFUF2	\$883	2	3.8
SJ700-022HFUF2	\$957	3	5.3
SJ700-040HFUF2	\$1,030	5	9.0
SJ700-055HFUF2	\$1,196	7.5	14
SJ700-075HFUF2	\$1,444	10	19
SJ700-110HFUF2	\$1,932	15	25
SJ700-150HFUF2	\$2,512	20	32
SJ700-185HFUF2	\$2,889	25	38
SJ700-220HFUF2	\$3,220	30	48
SJ700-300HFUF2	\$4,232	40	58
SJ700-370HFUF2	\$5,336	50	75
SJ700-450HFUF2	\$6,072	60	91
SJ700-550HFUF2	\$6,808	75	112
SJ700-750HFUF2	\$9,476	100	149
SJ700-900HFUF2	\$11,868	125	176
SJ700-1100HFUF2	\$12,604	150	217
SJ700-1500HFUF2	\$13,248	200	260
SJ700-1850HFU2	\$17,500	250* 300*	370
SJ700-3150HFU2	\$25,700	350* 400* 450*	600
SJ700-4000HFU2	\$37,000	500* 600*	800

* hp capacity is dependent on input supply voltage



Easy operation and setup by standard keypad (shown)

Powerful high-torque performance – 200% @ 3 Hz

Internal DB transistor up to 22 kW (30 hp)

EzSQ Internal PLC-like controller

Position control function offers servo-like performance

Long-life, easy-to-maintain design

NEMA1 conduit box optional

EMI Filter Integrated up to 110 kW

REGENERATIVE CONVERTER UNITS DYNAMIC BRAKING UNITS & DB RESISTORS

REGENERATIVE CONVERTER UNITS

	Model Number	List Price	Description
RCU 200 V Class	RCU-2011	\$2,430	Regenerative Converter Unit, 200 V Class, 11 kW
	RCU-2015	\$2,510	Regenerative Converter Unit, 200 V Class, 15 kW
	RCU-2022	\$2,820	Regenerative Converter Unit, 200 V Class, 22 kW
RCU 400 V Class	RCU-4011	\$2,180	Regenerative Converter Unit, 400 V Class, 11 kW
	RCU-4015	\$2,360	Regenerative Converter Unit, 400 V Class, 15 kW
	RCU-4022	\$2,470	Regenerative Converter Unit, 400 V Class, 22 kW
	RCU-4030	\$2,950	Regenerative Converter Unit, 400 V Class, 30 kW

MICRO DRIVE BRAKING UNITS

Braking Unit	Model Number	List Price	Description
230 V Class	HBU-2015	\$200	Dynamic Braking Unit, 15 A continuous, 50 A peak
460 V Class	HBU-4015	\$210	Dynamic Braking Unit, 8 A continuous, 25 A peak

SJ700 / SJ300 / L300P SERIES BRAKING UNITS

Braking Unit	Model Number	List Price	Description
230 V Class	HBU-2015	\$200	Dynamic Braking Unit, 15 A continuous, 50 A peak
	HBU-2030	\$300	Dynamic Braking Unit, 30 A continuous, 90 A peak
460 V Class	HBU-4015	\$210	Dynamic Braking Unit, 8 A continuous, 25 A peak
	HBU-4030	\$230	Dynamic Braking Unit, 15 A continuous, 50 A peak
	HBU-4045	\$340	Dynamic Braking Unit, 25 A continuous, 75 A peak
	HBU-4220	\$2,200	Dynamic Braking Unit, 80 A continuous, 250 A peak



DYNAMIC BRAKING RESISTORS CR (NEMA1) AND CRX (OPEN)

Model Number	List Price
CR-001	\$106
CR-002	\$106
CR-003	\$125
CR-004	\$159
CR-005	\$196
CR-006	\$371
CR-007	\$583
CR-008	\$583
CR-009	\$729
CR-010	\$729
CR-011	\$125
CR-012	\$125
CR-013	\$159
CR-014	\$159
CR-015	\$159
CR-016	\$196
CR-017	\$371
CR-018	\$583
CR-019	\$583
CR-020	\$729
CR-021	\$729
CR-022	\$888
CR-023	\$1,458
CR-024	\$1,511
CR-025	\$106
CR-026	\$106
CR-027	\$125
CR-028	\$125
CR-029	\$196
CR-030	\$583
CR-031	\$583
CR-032	\$583
CR-033	\$729
CR-034	\$106
CR-035	\$125
CR-036	\$125
CR-037	\$130
CR-038	\$196
CR-039	\$583
CR-040	\$583

Model Number	List Price
CR-041	\$583
CR-042	\$729
CR-043	\$729
CR-044	\$888
CR-045	\$2,359
CR-046	\$371
CR-047	\$2,465
CR-048	\$125
CR-049	\$130
CR-050	\$130
CR-051	\$196
CR-052	\$371
CR-053	\$583
CR-054	\$583
CR-055	\$583
CR-056	\$729
CR-057	\$729
CR-058	\$888
CR-059	\$1,259
CR-060	\$159
CR-061	\$159
CR-062	\$196
CR-063	\$196
CR-064	\$583
CR-065	\$371
CR-066	\$583
CR-067	\$583
CR-068	\$729
CR-069	\$888
CR-070	\$1,259
CR-071	\$1,378
CR-072	\$1,974
CR-073	\$2,332
CR-074	\$371
CR-075	\$583
CR-076	\$125
CR-077	\$159
CR-078	\$371
CR-079	\$159
CR-080	\$159

Model Number	List Price
CR-081	\$371
CR-082	\$583
CR-083	\$729
CR-084	\$1,656
CR-085	\$1,524
CR-086	\$1,590
CR-087	\$159
CR-088	\$196
CR-089	\$371
CR-090	\$583
CR-091	\$583
CR-092	\$729
CR-093	\$888
CR-094	\$1,458
CR-095	\$1,153
CR-096	\$1,550
CR-097	\$2,226
CR-098	\$3,273
CR-099	\$3,101
CR-100	\$4,346
CRX-001	\$30
CRX-002	\$30
CRX-003	\$53
CRX-004	\$69
CRX-005	\$106
CRX-006	\$133
CRX-011	\$53
CRX-012	\$34
CRX-013	\$69
CRX-014	\$69
CRX-015	\$69
CRX-016	\$106
CRX-025	\$30
CRX-026	\$30
CRX-027	\$53
CRX-028	\$53
CRX-029	\$106

Model Number	List Price
CRX-034	\$30
CRX-035	\$53
CRX-036	\$53
CRX-037	\$61
CRX-038	\$106
CRX-046	\$133
CRX-048	\$34
CRX-049	\$61
CRX-050	\$61
CRX-051	\$106
CRX-060	\$69
CRX-061	\$69
CRX-062	\$106
CRX-063	\$106
CRX-074	\$133
CRX-076	\$53
CRX-077	\$69
CRX-078	\$133
CRX-079	\$69
CRX-080	\$69
CRX-081	\$133
CRX-087	\$69
CRX-088	\$106
CRX-089	\$133

NOTE: Resistors are NON-STOCK, and subject to 4-5 week lead time!

BRIDGE CONTROL & POWER DISTRIBUTION PANELS

Standard Panel Design Includes:

- NEMA 1 enclosure 16H" x 31"W x 10"D
- Through Door Disconnect, Fused or Circuit Breaker
- Main Contactor Sized Same as Disconnect
- Brake Contactor
- Hitachi SJ200 Bridge Crane Inverter
- Fusible, Touch-safe Branch Circuit Protection
- Individual Motor Overloads
- 150VA Control Transformer
- DIN Rail Mounted Termination Strip
- Internally Mounted DB Resistor
- Can be customized for individual requirements – contact Hitachi

Panel Model Number	Inverter HP	LIST PRICE
230VOLT		
HF20130	1	\$2,700
HF20230	2	\$2,800
HF20330	3	\$2,900
HB20240	2	\$2,950
HB20340	3	\$3,050
HB20540	5	\$3,150
HB20260	2	\$3,100
HB20360	3	\$3,200
HB20560	5	\$3,300
HB27560	7.5	\$3,600
HB21060	10	\$3,950
HB20510	5	\$3,500
HB27510	7.5	\$3,700
HB21010	10	\$4,000
460VOLT		
HF40130	1	\$2,750
HF40230	2	\$2,800
HF40330	3	\$2,850
HB40240	2	\$3,050
HB40340	3	\$3,150
HB40540	5	\$3,200
HB40260	2	\$3,100
HB40360	3	\$3,200
HF40560	5	\$3,250
HB47560	7.5	\$3,600
HB41060	10	\$3,950



ACCESSORIES INSTRUCTION MANUALS

Accessories

Model Number	List Price	Description
115VIF-3	\$70	115VAC Interface board for SJ200 or SJ700 Series Inverter (to interface pendant control signals)
115VIF-KIT	\$18	Mounting/wiring kit for above - REQUIRED for SJ700. Includes mounting screw and wiring harness.
ProDrive	FREE	Enhanced PC-based Configuration Software; ProDrive Requires "CONVERTER CABLE"
USB- CONVERTERCABLE	\$120	USB Port to RS22 Conversion Cable for ProDrive software
SJ-FB	\$210	Encoder Feedback Option Board for SJ700, REQUIRED for closed-loop applications

Instruction Manuals

SJ700	\$30	Instruction Manual for SJ700
SJ200	\$20	Instruction Manual for SJ200

HITACHI

Inspire the Next

Email Addresses:

ORDERS: inverter-po@hal.hitachi.com

Technical Support: inverterinfo@hal.hitachi.com

Web Addresses:

Sales & Technical Information: www.hitachi-america.us/inverters

Web Store: <http://i-store.hitachi.us>

Phone Numbers:

Sales Administration: (914) 524-6625/6627

Technical Support: (914) 333-2900

Fax: (914) 631-3672

© 2009 Hitachi America, Ltd.
All rights reserved

Hitachi America, Ltd.

Industrial Systems Division

Industrial Components

50 Prospect Avenue

Tarrytown, NY 10591

ORDERS:

Email to: inverter-po@hal.hitachi.com

FAX to: (914) 631-3672