

USAVAC - LOW VOLTAGE

AC Vacuum Contactors

A

- UL listed to 1500V
- CSA Certified to 1500V
- CE
- Three Ratings
- One Small Size

CV Series
NEMA Size 4 V200
IEC 200A



600V NEMA Size 4 135A

600Volt Nema Size 4 135A Contactor 3 Pole Nema ICS-2 UL508 CSA 22.2

Rating Nema Size 4	Maximum Horsepower KW Rating 3 Phase HP/KW				Open Type
	600V	200V	230V	460V	575V
HP/KW	40/30	50/37	100/75	100/75	CV77U030406-*

660Volt 200AMP Contactor 3 Pole IEC 947-4-1 UL508 CSA 22.2

Rating 200A	Maximum Horsepower/KW Rating 3 Phase HP/KW								Open Type
	1000V	200/208V	220/240V	380/400V	415/440V	460V	500V	575/600V	660-690V
HP/KW	50/37	75/59	100/75	125/95	150/110	190/140	200/150	250/185	CV77U032006-*

1500Volt 200AMP Contactor 3 Pole IEC 947-4-1 (1000V) UL508 (1500V) CSA 22.2 (1500V)

Rating 200A Nema V200	Maximum Horsepower/KW Rating 3 Phase HP/KW							Open Type
	1500V	200/208V	220/240V	400V	460V	575/600V	1000V	1500V
HP/KW	50/37	75/59	125/95	150/110	175/130	300/225	500/370	CV77U031615

Options Discount (Schedule JC11) Field Kits

Description	Catalog #
Lug Kit #6 to 250mcm 3 Per Kit	KVC4-2
Aux. Contact Kit 2N/O 2N/C 10A 600VAC	AK1
Aux. Contact Kit 2N/O 2N/C 10MA 5VDC	AK3

Replacement Parts (Discount Schedule JC80)

Description	Catalog #
Interrupter Phase Assembly	A77-457211A
Coil 110/120V 50/60 HZ	A77-460915A-1
Coil 220/240V 50/60 HZ	A77-460915A-2
Coil 380/415V 50/60 HZ	A77-460915A-3
Coil 440/480V 50/60 HZ	A77-460915A-4
Coil 125V DC	A77-460915A-5
Coil 250V DC	A77-460915A-6
Control PAK 110/120 50/60 HZ	A77-460916A-1
Control PAK 220/240 50/60 HZ	A77-460916A-2
Control PAK 380-415V 50/60 HZ	A77-460916A-3
	440-480V 50/60 HZ
Aux. Contact Kit 2N/O 1N/C +1 N/C	AKStd. Late Break

Ordering Information

* Coil Table

- Use complete catalog number when ordering.
- Replace the (*) with the suffix from the coil table.
- Engineering Data page A7.
- Renewal Parts page A2.

Voltage Suffix	
120 AC	-76
240 AC	-26
380 AC	-38
460 AC	-46
125V DC	-125
250V DC	-250

USAVAC - LOW VOLTAGE AC VACUUM CONTACTORS & STARTERS

Engineering Data

A

Description	NEMA Size 4 600V	200 Amp 1000V	200 Amp 1500V
Cat #	CV 77U030406-*	CV 77U032006-*	CV 77U031615-*
Standard	NEMA 1CS-2 UL508 CSA22.2	IEC 947-4-1 UL508 CSA22.2	NEMA 1CS9-2 1500V IEC 947-4-1 1000V UL508 CSA22.2 1500V
Power Ratings Enclosed			
Insul. & Operating Volt	600 Volts	1000 Volts	1500 Volts
Rated Oper. AC1	135Amps	200 Amps	200 Amps
Rated Oper. AC3	100 HP 460/575V	250 HP 185KW-660V	500 HP 370KW-1500V
Rated Oper. AC4	60 HP 460/575V	175 HP-130KW-660V	315 HP-235KW-1500V
Rated Frequency	50 - 400 Hz		
Making Current	2000 Amps		
Breaking Current	1600 Amps		
Dielectric Strength	6Kv - 1 Min. Interrupter		
Interrupting Current	2.2 KA		
Short Time Current 1 Sec.	5000 A		
Short Time Current 10 Sec	1600 A		
Mechanical Life	1.2 X 10 ⁶		
Elect. Life AC3 Duty	1 X 10 ⁶		
Switching Frequency	600 / Hour (1 Every 6 Sec)		
Withstand Current	10KA50MSec		
Chop Current Max	0.9 A		
Operating Range	-15% + 10% - at Range Voltage		
Inrush Power VA	1200VA 20 ms Duration		
Holding Power VA	12 VA		
Opening Time MS	120ms		
Closing Time MS	20-40ms		
Pick-Up Voltage	80% Cold 85% Hot or less		
Drop-Out Voltage	70% or less		
Recommended CPT	400VA Machine Tool Transformer 5% Regulation at 20%pf		
Applications Ratings			
Mounting Installation	All Planes (Contactor only)		
Altitude	6600 ft. 2000 Meters		
Ambient Storage	-65°F (-54°C) +160°F (71°C)		
Operating	-40°F (-40°C) +122°F (50°C)		
Vibration / Shock	40Hz - 2G. / 30G.		
Weight	13 lbs. 5.9Kg.		

Motor HP/KW AC3		
Voltage	135A	200A
208	40/30	50/37
220/240	50/37	75/59
380/400	----	100/75
415/440	----	125/93
460	100/75	150/110
500	----	190/140
575/600	100/75	200/150
660/690	----	250/185
1000	----	300/225
1500	----	500/370
Three Phase Transformer Load KVA		
Voltage	135A	200A
208	54	72
220/240	57	55
380/400	99	135
415/440	108	152
460/500	119	173
575/600	130	207
660	171	225
1000	260	346
1500	390	519
Three Phase Capacitor Load KVAR		
Voltage	135A	200A
208	40	54
220/240	43	62
380/400	74	104
415/440	81	114
460	90	127
575/600	115	156
1000	195	260
1500	292	390

- Options**
- Lug Kit 2/0 250mcm (3 per kit) Cat.# KVC4-2
- Auxiliary Contact Kits**
- 2NO. 2NC 600V. 10A ac. Cat.# AK1
 - 2NO. 2NC 5V.10mA dc. Cat.# AK3
- Only 1 Kit can be added for total of 3 N/O 3 N/C contacts (1 N/O 1N/C is standard).*

Coils		
Description	Hz.	Cat.Suffix
110/120V	50/60Hz.	-76
220/240V	50/60Hz.	-26
380/415V	50/60Hz.	-38
440/480V	50/60Hz.	-46
125V DC		-125
250V DC		-250

