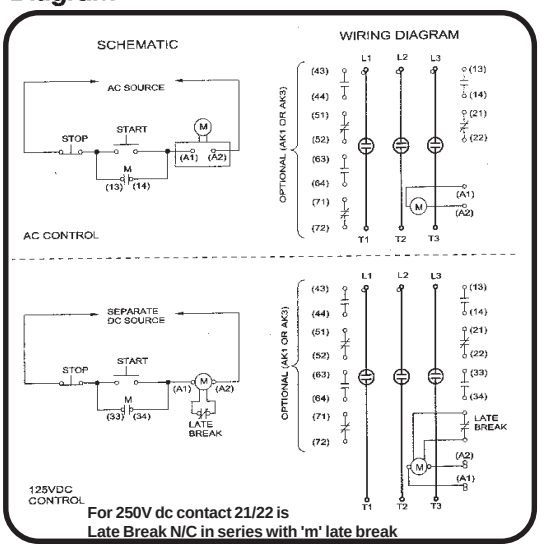
Technical Specifications CV Series

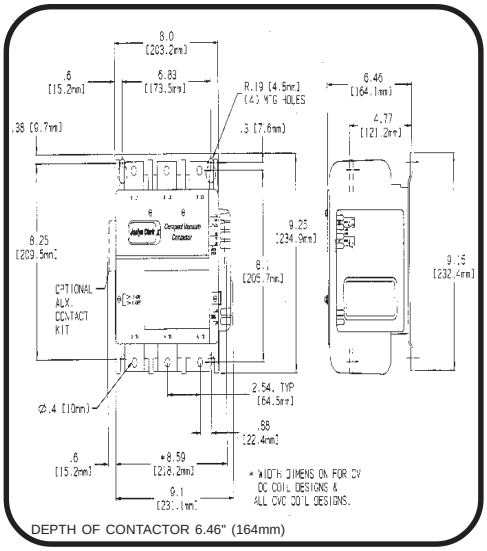
Description	NEMA Size 5 600V	400 Amp 1000V	400 Amp 1500V
Cat #	CV77U030506-*	CV77U034A06-*	CV77U034A15-*
Standard	NEMA ICS-2 UL508 CSA22.2	IEC 947-4-1 1000V UL508 CSA22.2	IEC 947-4-1 1000V NEMA ICS-2.9 1500V UL508 CSA22.2 1500V
Power Ratings			
Insul. & Operating Volt	600 Volts	1000 Volts	1500 Volts
Rated Oper. AC1	270 Amps	400 Amps	400 Amps
Rated Oper. AC3	200 HP 460/575V	500 HP-370KW-660V	850 HP-650KW-1500V
Rated Oper. AC4	120 HP 460/575V	300 HP-260KW-660V	650 HP-570KW-1500V
Rated Frequency	50 - 400 Hz		
Making Current	4000 Amps		
Breaking Current	3200 Amps		
Dielectric Strength	6Kv - 1 Min. Interruptor Gap		
Interrupting Current	4.6 KA		
Short Time Current1 Sec.	7000 A		
Short Time Current 10 Sec.	3200 A		
Mechanical Life	1.2 X 10^6		
Elect. Life AC3 Duty	1 X 10^6		
Switching Frequency	v600/ Hour 1 Every 6 Sec		
Withstand Current	18KA 50 MS		
Chop Current Max	0.9 A		
Operating Range	-15% + 10% - over Range Voltage		
Inrush Power VA	1100VA 120 ms Duration		
Holding Power VA	10-12 VA		
Opening Time MS	160ms		
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	-65ºF (-54ºC) +160ºF (71ºC)		
Operating	-40ºF (-40ºC) +135ºF (57ºC)		
Vibration / Shock	40Hz - 2G. / 30G.		
Weight	26 lbs. 11.8 Kg.		

Diagram



For 250V dc contact 21/22 is Late Break N/C in series with 'm' late break

Dimensions



DEPTH OF CONTACTOR 6.46" (164mm)

Power Rating

	Motor HP/KW AC3	
Voltage	270A	400A
208	75/56	100/75
220/240	100/75	150/112
380/415	----	250/187
460	200/150	300/220
575/600	200/150	400/300
660/690	----	450/336
1000	----	700/520
1500	----	850/650

Three Phase Transformer Load KVA		
Voltage	270A	400A
208	108	144
220/240	114	110
380/400	198	270
415/440	216	304
460/500	238	346
575/600	260	414
660	342	450
1000	520	692
1500	780	1038

Three Phase Capacitor Load KVAR		
Voltage	270A	400A
208	80	108
220/240	86	124
380/400	148	208
415/440	162	228
460	180	254
575/600	230	312
1000	390	520
1500	584	780

Options

● Lug Kit 2#6-300mcm	Cat.# KVC5-2
Auxilliary Contact Kits	
● 2NO.2 NC 600V.10A ac.	Cat.# AK1
● 2NO.2 NC 5V.10mA dc.	Cat.# AK3

Only 1 Kit can be added for total of 3 N/O 3 N/C contacts

Coils

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