



**YCWS
WATER COOLED LIQUID CHILLER**

WIRING DIAGRAM

Supersedes 201.24-W1 (701)

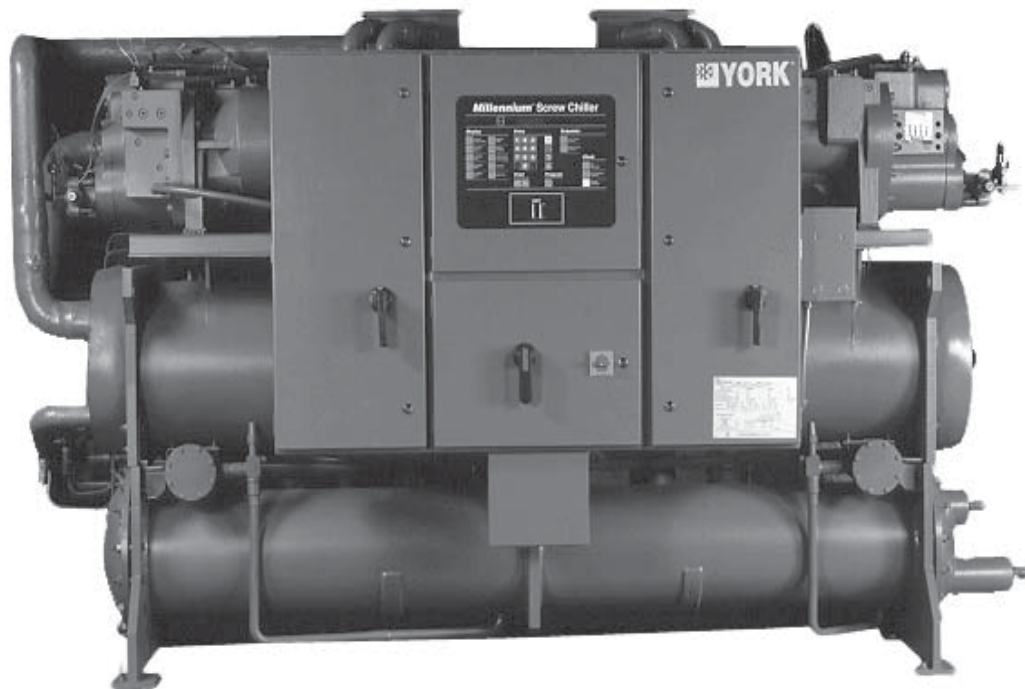
Form 201.24-W1 (801)

**ELEMENTARY DIAGRAM
CONNECTION DIAGRAM – CONTROL PANEL AND
CONNECTION DIAGRAM – SYSTEM WIRING**

FOR MODELS:

**YCWS0100SC, YCWS0120SC, YCWS0140SC, YCWS0180SC,
YCWS0200SC, YCWS0220SC, YCWS0240SC**

**60 HZ
STYLE B**



00582VIP



200, 230, 460-3-60

ELECTRICAL DATA

MULTI POINT POWER SUPPLY

(Each of the two field provided power supply circuits individually protected with branch circuit protection. Field connections to factory provided Terminal Block (std), Non-Fused Disconnects (opt) or individual System Circuit Breakers (opt) in each of the two motor control centers.)

SYSTEM #1							
CHILLER MODEL	VOLT CODE HZ	MIN. ⁽¹⁾ CIR. (MCA)	MIN. N/F DISCONNECT SWITCH	MIN. DUAL FUSE	MAX. DUAL FUSE MAX. CB	RLA	Y-D LRA
YCWS0100SC	-17	175	200	225	300	140	404
YCWS0120SC		175	200	225	300	140	404
YCWS0140SC		227	250	300	400	181	591
YCWS0180SC		227	250	300	400	181	591
YCWS0200SC		284	400	350	500	227	708
YCWS0220SC		284	400	350	500	227	708
YCWS0240SC		337	400	450	600	269	708
YCWS0100SC	-28	153	150	200	250	122	354
YCWS0120SC		153	150	200	250	122	354
YCWS0140SC		198	200	250	350	158	481
YCWS0180SC		198	200	250	350	158	481
YCWS0200SC		247	250	300	400	197	642
YCWS0220SC		247	250	300	400	197	642
YCWS0240SC		293	400	400	500	234	642
YCWS0100SC	-40	93	100	125	150	74	219
YCWS0120SC		93	100	125	150	74	219
YCWS0140SC		120	150	150	200	96	285
YCWS0180SC		120	150	150	200	96	285
YCWS0200SC		149	150	200	250	119	343
YCWS0220SC		149	150	200	250	119	343
YCWS0240SC		177	200	225	300	141	343
YCWS0100SC	-46	77	100	100	125	61	174
YCWS0120SC		77	100	100	125	61	174
YCWS0140SC		99	100	125	175	79	228
YCWS0180SC		99	100	125	175	79	228
YCWS0200SC		123	150	150	200	98	280
YCWS0220SC		123	150	150	200	98	280
YCWS0240SC		147	150	200	250	117	280
YCWS0100SC	-58	62	60	80	110	49	138
YCWS0120SC		62	60	80	110	49	138
YCWS0140SC		79	100	100	125	63	182
YCWS0180SC		79	100	100	125	63	182
YCWS0200SC		99	100	125	150	79	224
YCWS0220SC		99	100	125	150	79	224
YCWS0240SC		118	150	150	200	94	224

See page 6 for Electrical Data Notes

SYSTEM #2

CHILLER MODEL	VOLT CODE HZ	MIN. ⁽¹⁾ CIR. (MCA)	MIN. N/F DISCONNECT SWITCH	MIN. DUAL FUSE	MAX. DUAL FUSE MAX. CB	RLA	Y-D LRA
YCWS0100SC	-17	175	200	225	300	140	404
YCWS0120SC		227	250	300	400	181	591
YCWS0140SC		227	250	300	400	181	591
YCWS0180SC		284	400	350	500	227	708
YCWS0200SC		284	400	350	500	227	708
YCWS0220SC		337	400	450	600	269	708
YCWS0240SC		337	400	450	600	269	708
YCWS0100SC	-28	153	150	200	250	122	354
YCWS0120SC		198	200	250	300	158	481
YCWS0140SC		198	200	250	350	158	481
YCWS0180SC		247	250	300	400	197	642
YCWS0200SC		247	250	300	400	197	642
YCWS0220SC		293	400	400	500	234	642
YCWS0240SC		293	400	400	500	234	642
YCWS0100SC	-40	93	100	125	150	74	219
YCWS0120SC		120	150	150	200	96	285
YCWS0140SC		120	150	150	200	96	285
YCWS0180SC		149	150	200	250	119	343
YCWS0200SC		149	150	200	250	119	343
YCWS0220SC		177	200	225	300	141	343
YCWS0240SC		177	200	225	300	141	343
YCWS0100SC	-46	77	100	100	125	61	174
YCWS0120SC		99	100	125	175	79	228
YCWS0140SC		99	100	125	175	79	228
YCWS0180SC		123	150	150	200	98	280
YCWS0200SC		123	150	150	200	98	280
YCWS0220SC		147	150	200	250	117	280
YCWS0240SC		147	150	200	250	117	280
YCWS0100SC	-58	62	60	80	110	49	138
YCWS0120SC		79	100	100	125	63	182
YCWS0140SC		79	100	100	125	63	182
YCWS0180SC		99	100	125	175	79	224
YCWS0200SC		99	100	125	175	79	224
YCWS0220SC		118	150	150	175	94	224
YCWS0240SC		118	150	150	200	94	224

INCOMING WIRE SIZE (FIELD-SUPPLIED WIRING)

CHILLER MODEL	SYSTEM #1						
	VOLT CODE HZ	TERMINAL BLOCK	TERMINAL BLOCK CUSTOMER GROUND	N/F DISC. SWITCH	N/F DISC. SWITCH CUSTOMER GROUND	CIRCUIT BREAKER	CIRCUIT BREAKER CUSTOMER GROUND
YCWS0100SC	-17	#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG	#6 - 350 KCM	# 6 - 1/0 AWG
YCWS0120SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0140SC		#2/0 - 500 KCM	# 4 - 3/0 AWG	#6 - 350 KCM	# 6 - 1/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0180SC		#2/0 - 500 KCM	# 4 - 3/0 AWG	#4 - 300 KCM	# 6 - 1/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0200SC		#2/0 - 500 KCM	# 4 - 3/0 AWG	# 8 - 350 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0220SC		#2/0 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0240SC		(2) #2 - 4/0 AWG	(2) # 6 - 1/0 AWG	(2) #3/0 - 250 KCM	# 4 - 3/0 AWG	(3) 2/0 - 400 KCM	(2) # 2 - 4/0 AWG
YCWS0100SC	-28	#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0120SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0140SC		#2 - 300 KCM	# 6 - 1/0 AWG	#4 - 300 KCM	# 6 - 1/0 AWG	#4 - 300 KCM	# 4 - 3/0 AWG
YCWS0180SC		#2 - 300 KCM	# 6 - 1/0 AWG	#4 - 300 KCM	# 6 - 1/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0200SC		#2/0 - 500 KCM	# 4 - 3/0 AWG	#6 - 350 KCM	# 6 - 1/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0220SC		#2/0 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0240SC		#2/0 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0100SC	-40	#6 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG
YCWS0120SC		#6 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG
YCWS0140SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0180SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0200SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0220SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0240SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG	#6 - 350 KCM	# 6 - 1/0 AWG
YCWS0100SC	-46	#6 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG
YCWS0120SC		#6 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG
YCWS0140SC		#6 - 1/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG
YCWS0180SC		#6 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG
YCWS0200SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0220SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0240SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0100SC	-58	#18 - 2 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG
YCWS0120SC		#18 - 2 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG
YCWS0140SC		#6 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG	#2 - 4/0 AWG	# 8 - 2 AWG
YCWS0180SC		#6 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG	#2 - 4/0 AWG	# 8 - 2 AWG
YCWS0200SC		#6 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG
YCWS0220SC		#6 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG
YCWS0240SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG

See page 6 for Electrical Data Notes

CHILLER MODEL	SYSTEM #2						
	VOLT CODE HZ	TERMINAL BLOCK	TERMINAL BLOCK CUSTOMER GROUND	N/F DISC. SWITCH	N/F DISC. SWITCH CUSTOMER GROUND	CIRCUIT BREAKER	CIRCUIT BREAKER CUSTOMER GROUND
YCWS0100SC	-17	#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG	#6 - 350 KCM	# 6 - 1/0 AWG
YCWS0120SC		#2/0 - 500 KCM	# 4 - 3/0 AWG	#6 - 350 KCM	# 6 - 1/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0140SC		#2/0 - 500 KCM	# 4 - 3/0 AWG	#6 - 350 KCM	# 6 - 1/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0180SC		#2/0 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0200SC		#2/0 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0220SC		(2) #2 - 4/0 AWG	(2) # 6 - 1/0 AWG	(2) #3/0 - 250 KCM	# 4 - 3/0 AWG	(3) 2/0 - 400 KCM	(2) # 2 - 4/0 AWG
YCWS0240SC		(2) #2 - 4/0 AWG	(2) # 6 - 1/0 AWG	(2) #3/0 - 250 KCM	# 4 - 3/0 AWG	(3) 2/0 - 400 KCM	(2) # 2 - 4/0 AWG
YCWS0100SC	-28	#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0120SC		#2 - 300 KCM	# 6 - 1/0 AWG	#4 - 300 KCM	# 6 - 1/0 AWG	#4 - 300 KCM	# 4 - 3/0 AWG
YCWS0140SC		#2 - 300 KCM	# 6 - 1/0 AWG	#4 - 300 KCM	# 6 - 1/0 AWG	#4 - 300 KCM	# 4 - 3/0 AWG
YCWS0180SC		#2/0 - 500 KCM	# 4 - 3/0 AWG	#6 - 350 KCM	# 6 - 1/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0200SC		#2/0 - 500 KCM	# 4 - 3/0 AWG	#6 - 350 KCM	# 6 - 1/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0220SC		#2/0 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0240SC		#2/0 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0100SC	-40	#6 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG
YCWS0120SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0140SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0180SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0200SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0220SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG	#6 - 350 KCM	# 6 - 1/0 AWG
YCWS0240SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG	#6 - 350 KCM	# 6 - 1/0 AWG
YCWS0100SC	-46	#6 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG
YCWS0120SC		#6 - 1/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG
YCWS0140SC		#6 - 1/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG
YCWS0180SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0200SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0220SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0240SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0100SC	-58	#18 - 2 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG
YCWS0120SC		#6 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG	#2 - 4/0 AWG	# 8 - 2 AWG
YCWS0140SC		#6 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG	#2 - 4/0 AWG	# 8 - 2 AWG
YCWS0180SC		#6 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG
YCWS0200SC		#6 - 1/0 AWG	# 8 - 2 AWG	#14 - 1/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG
YCWS0220SC		#6 - 1/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#6 - 350 KCM	# 6 - 1/0 AWG
YCWS0240SC		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM	# 8 - 2 AWG	#6 - 350 KCM	# 6 - 1/0 AWG

SINGLE-POINT POWER SUPPLY

(One field provided power supply circuit to the control panel. Field connections to factory provided Terminal Blocks (opt) or Non-Fused Disconnect (opt). Individual System Circuit Breakers, Non-Fused Disconnects or Class 'J' Fuse/Fuse Blocks in each motor control center.)

CHILLER MODELS	VOLT CODE HZ	MIN. ⁽¹⁾ CIR. (MCA)	MIN. N/F DISCONNECT SWITCH	MIN. DUAL FUSE	MAX. DUAL FUSE MAX. CB	SYSTEM #1		SYSTEM #2	
						RLA	Y-D LRA	RLA	Y-D LRA
YCWS0100SC	-17	315	400	400	450	140	404	140	404
YCWS0120SC		366	400	450	500	140	404	181	591
YCWS0140SC		407	600	500	500	181	591	181	591
YCWS0180SC		465	600	600	600	181	591	227	708
YCWS0200SC		511	600	600	700	227	708	227	708
YCWS0220SC		563	600	700	800	227	708	269	708
YCWS0240SC		605	800	700	800	269	708	269	708
YCWS0100SC	-28	275	400	350	350	122	354	122	354
YCWS0120SC		320	400	400	450	122	354	158	481
YCWS0140SC		356	400	400	500	158	481	158	481
YCWS0180SC		404	600	500	600	158	481	197	642
YCWS0200SC		443	600	500	600	197	642	197	642
YCWS0220SC		490	600	600	700	197	642	234	642
YCWS0240SC		527	600	600	700	234	642	234	642
YCWS0100SC	-40	167	200	200	225	74	219	74	219
YCWS0120SC		194	200	225	250	74	219	96	285
YCWS0140SC		216	250	250	300	96	285	96	285
YCWS0180SC		245	250	300	350	96	285	119	343
YCWS0200SC		268	400	300	350	119	343	119	343
YCWS0220SC		295	400	350	400	119	343	141	343
YCWS0240SC		317	400	400	450	141	343	141	343
YCWS0100SC	-46	137	150	175	175	61	174	61	174
YCWS0120SC		160	200	200	225	61	174	79	228
YCWS0140SC		178	200	200	250	79	228	79	228
YCWS0180SC		202	250	250	250	79	228	98	280
YCWS0200SC		221	250	250	300	98	280	98	280
YCWS0220SC		244	250	300	350	98	280	117	280
YCWS0240SC		263	400	300	350	117	280	117	280
YCWS0100SC	-58	110	150	125	150	49	138	49	138
YCWS0120SC		128	150	150	175	49	138	63	182
YCWS0140SC		142	150	175	200	63	182	63	182
YCWS0180SC		162	200	200	225	63	182	79	224
YCWS0200SC		178	200	200	250	79	224	79	224
YCWS0220SC		197	200	225	250	79	224	94	224
YCWS0240SC		212	250	250	300	94	224	94	224

NOTES: (For Electrical Data on Pages 2 - 7.)

- The 'INCOMING WIRE RANGE' is the minimum and maximum wire size that can be accommodated by unit wiring lugs. The (1), (2), (3) & (4) indicates the number of termination points or lugs which are available per phase. Actual wire size and number of wires per phase must be determined based on ampacity and job requirements using N.E.C. wire sizing information. The above recommendations are based on the National Electric Code and using copper connectors only. Field wiring must also comply with local code.
- A ground lug is provided for each compressor system to accommodate field grounding conductor per N.E.C. Article 250-54 (95). A control circuit grounding lug is also supplied.

INCOMING WIRE SIZE (FIELD-SUPPLIED WIRING)

CHILLER MODEL	VOLT CODE HZ	SYSTEM #1 & SYSTEM #2			
		TERMINAL BLOCK	TERMINAL BLOCK CUSTOMER GRND.	N/F DISC. SWITCH	N/F DISC. SWITCH CUSTOMER GRND.
YCWS0100SC	-17	#2/0 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0120SC		(2) #2 - 300 KCM	(2) # 4 - 3/0 AWG	(2) 250 - 500 KCM	(2) # 4 - 3/0 AWG
YCWS0140SC		(2) #2 - 300 KCM	(2) # 4 - 3/0 AWG	(2) 250 - 500 KCM	(2) # 4 - 3/0 AWG
YCWS0180SC		(2) #2/0 - 500 KCM	(2) # 4 - 3/0 AWG	(2) 250 - 500 KCM	(2) # 4 - 3/0 AWG
YCWS0200SC		(2) #2/0 - 500 KCM	(2) # 4 - 3/0 AWG	(2) 250 - 500 KCM	(2) # 4 - 3/0 AWG
YCWS0220SC		(2) #2/0 - 500 KCM	(2) # 4 - 3/0 AWG	(2) 250 - 500 KCM	(2) # 4 - 4/0 AWG
YCWS0240SC		(2) #2/0 - 500 KCM	(2) # 4 - 3/0 AWG	(2) 250 - 500 KCM	(2) # 4 - 4/0 AWG
YCWS0100SC		-28	#2/0 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM
YCWS0120SC	#2/0 - 500 KCM		# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0140SC	(2) #2 - 4/0 AWG		(2) # 6 - 1/0 AWG	(2) 250 - 500 KCM	(2) # 4 - 3/0 AWG
YCWS0180SC	(2) #2 - 300 KCM		(2) # 4 - 3/0 AWG	(2) 250 - 500 KCM	(2) # 4 - 3/0 AWG
YCWS0200SC	(2) #2 - 300 KCM		(2) # 4 - 3/0 AWG	(2) 250 - 500 KCM	(2) # 4 - 3/0 AWG
YCWS0220SC	(2) #2/0 - 500 KCM		(2) # 4 - 3/0 AWG	(2) 250 - 500 KCM	(2) # 4 - 3/0 AWG
YCWS0240SC	(2) #2/0 - 500 KCM		(2) # 4 - 3/0 AWG	(2) 250 - 500 KCM	(2) # 4 - 3/0 AWG
YCWS0100SC	-40		#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM
YCWS0120SC		#2 - 300 KCM	# 6 - 1/0 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0140SC		#2 - 300 KCM	# 6 - 1/0 AWG	#6 - 350 KCM	# 6 - 1/0 AWG
YCWS0180SC		#2/0 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0200SC		#2/0 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0220SC		#2/0 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0240SC		#2/0 - 500 KCM	# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0100SC		-46	#2 - 4/0 AWG	# 8 - 2 AWG	#4 - 300 KCM
YCWS0120SC	#2 - 4/0 AWG		# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0140SC	#2 - 4/0 AWG		# 8 - 2 AWG	#4 - 300 KCM	# 6 - 1/0 AWG
YCWS0180SC	#2 - 300 KCM		# 6 - 1/0 AWG	#6 - 350 KCM	# 6 - 1/0 AWG
YCWS0200SC	#2 - 300 KCM		# 6 - 1/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0220SC	#2/0 - 500 KCM		# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0240SC	#2/0 - 500 KCM		# 4 - 3/0 AWG	250 - 500 KCM	# 4 - 3/0 AWG
YCWS0100SC	-58		# 2/0 - 500 KCM	# 8 - 2 AWG	#2 - 4/0 AWG
YCWS0120SC		(2) # 2 - 4/0 AWG	# 8 - 2 AWG	#2 - 4/0 AWG	# 8 - 2 AWG
YCWS0140SC		(2) # 2 - 300 KCM	# 8 - 2 AWG	#6 - 350 KCM	# 6 - 1/0 AWG
YCWS0180SC		(2) # 2/0 - 500 KCM	# 8 - 2 AWG	#6 - 350 KCM	# 6 - 1/0 AWG
YCWS0200SC		(2) 2/0 - 500 KCM	# 8 - 2 AWG	#6 - 350 KCM	# 6 - 1/0 AWG
YCWS0220SC		(2) 2/0 - 500 KCM	# 6 - 1/0 AWG	#6 - 350 KCM	# 6 - 1/0 AWG
YCWS0240SC		(2) 2/0 - 500 KCM	# 6 - 1/0 AWG	#6 - 350 KCM	# 6 - 1/0 AWG

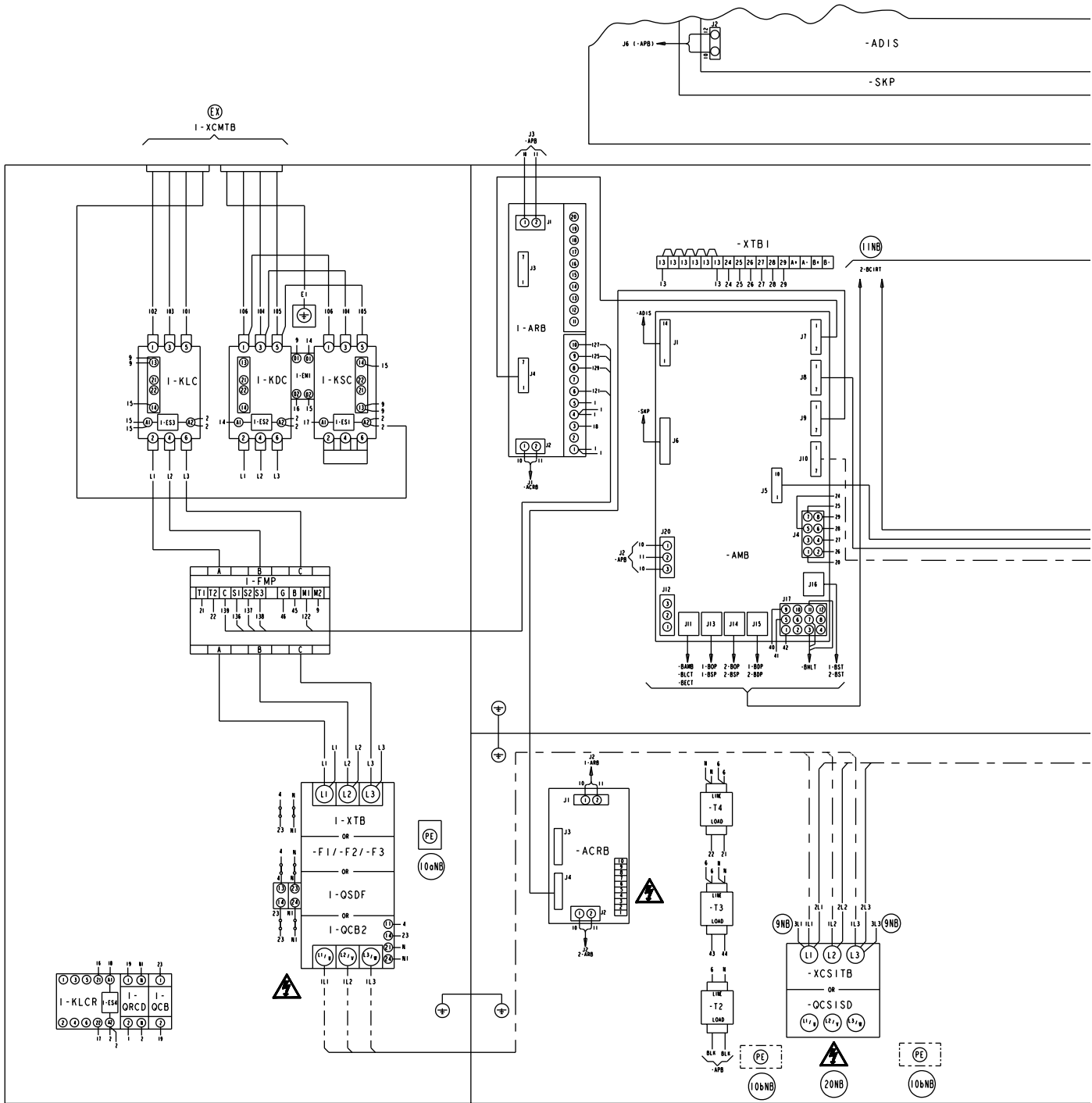
LEGEND

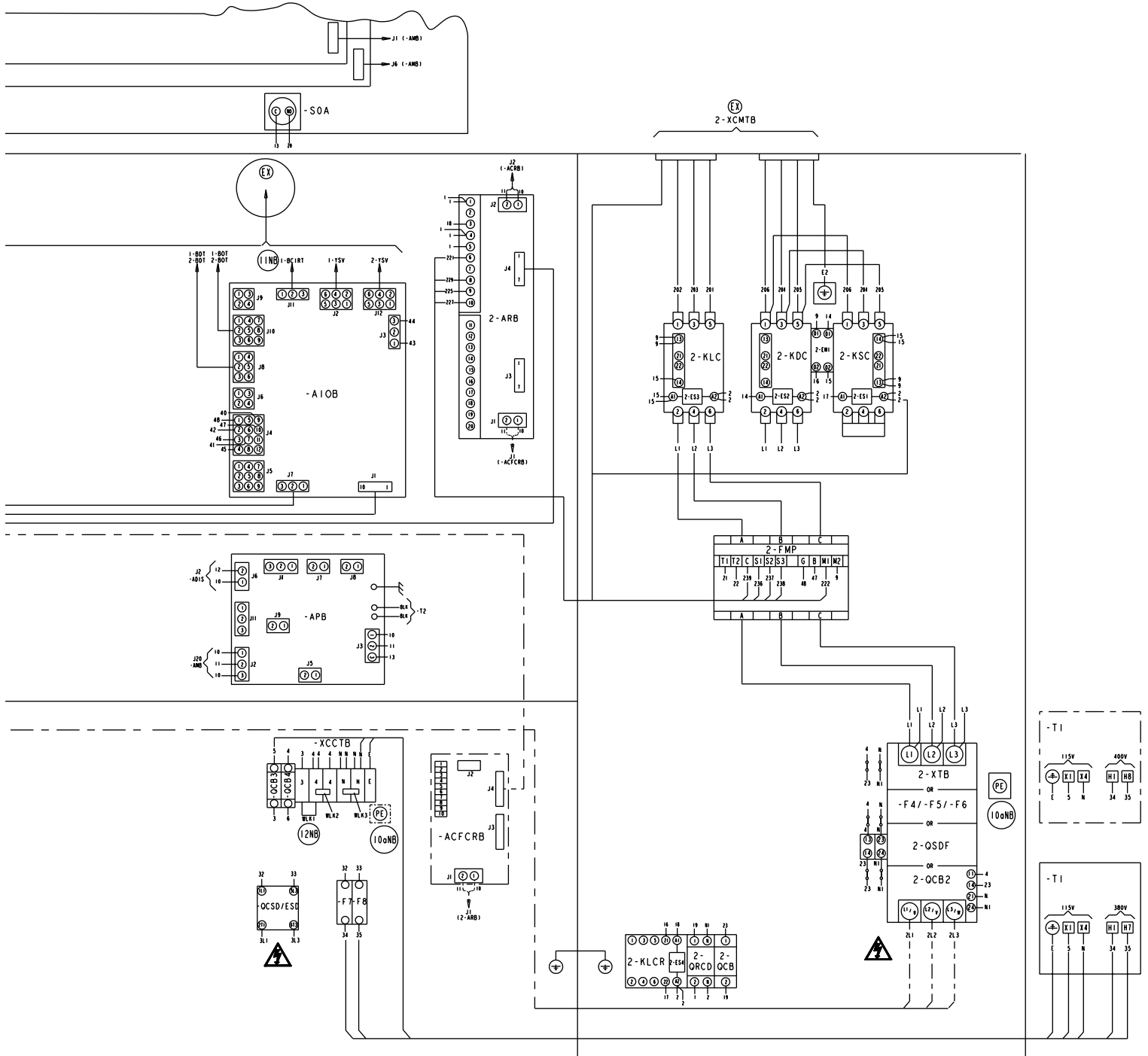
TERMINAL BLOCK
 C.B.
 N/F DISCONNECT SWITCH
 D.F.
 DISC SW
 HZ
 MAX
 MCA
 MIN
 MIN NF
 RLA
 Y-D LRA

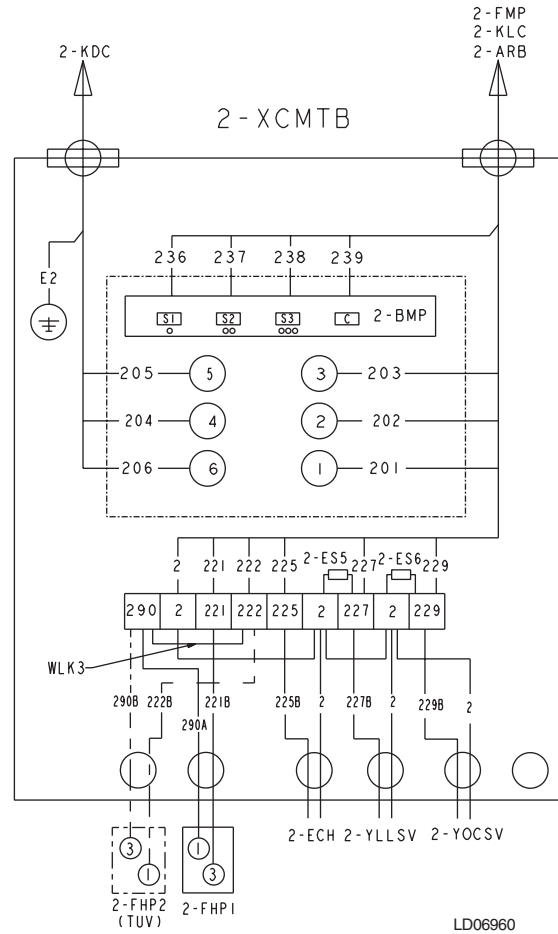
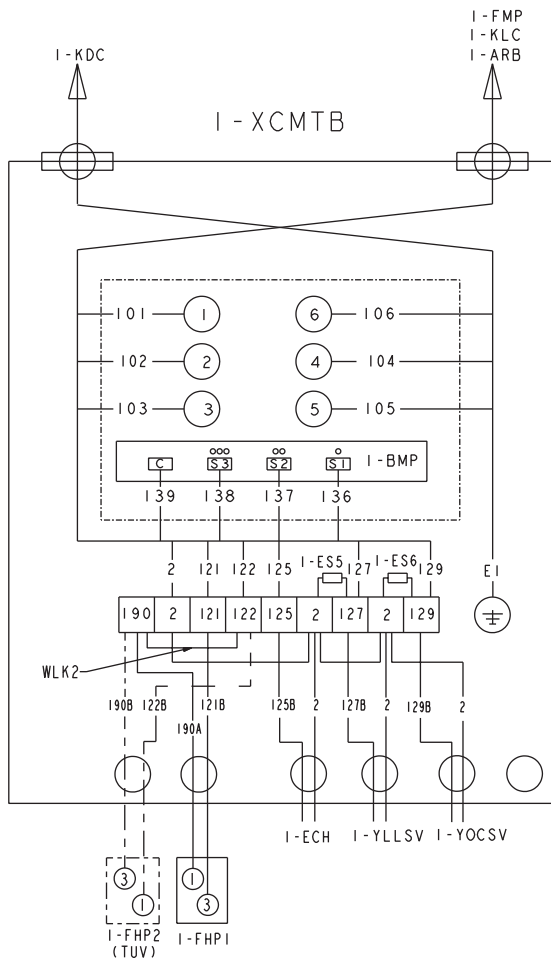
Terminal Block (Factory-mounted)
 Circuit Breaker (Factory-mounted)
 Non-fused Disconnect Switch (Factory-mounted)
 Dual Fuse
 Disconnect Switch
 Hertz
 Maximum
 Minimum Circuit Ampacity
 Minimum
 Minimum Non Fused
 Rated Load Amps
 Wye-Delta Inrush Locked Rotor Amps

VOLTAGE CODE
 50 = 400-3-50

WIRING DIAGRAMS







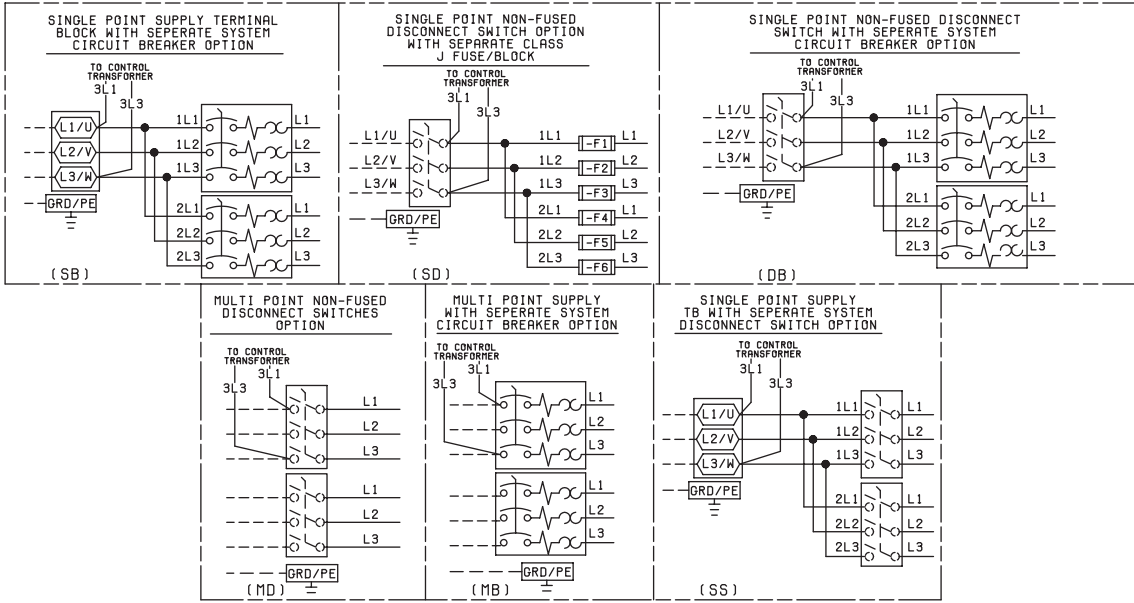
LD06960

NOTES: -

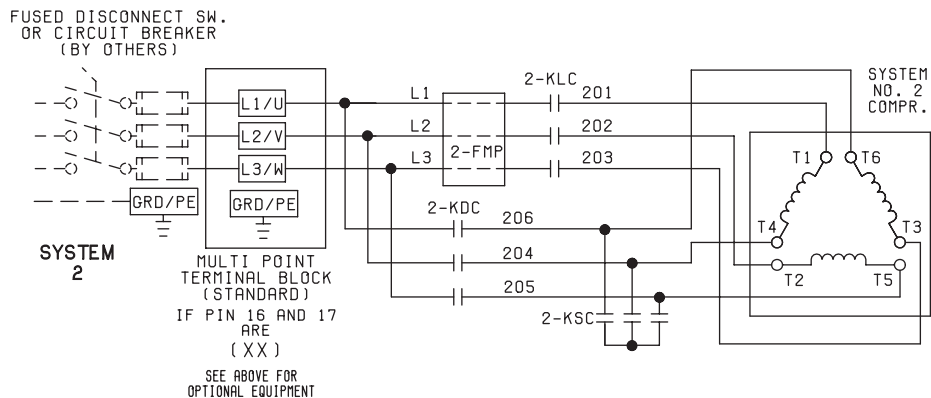
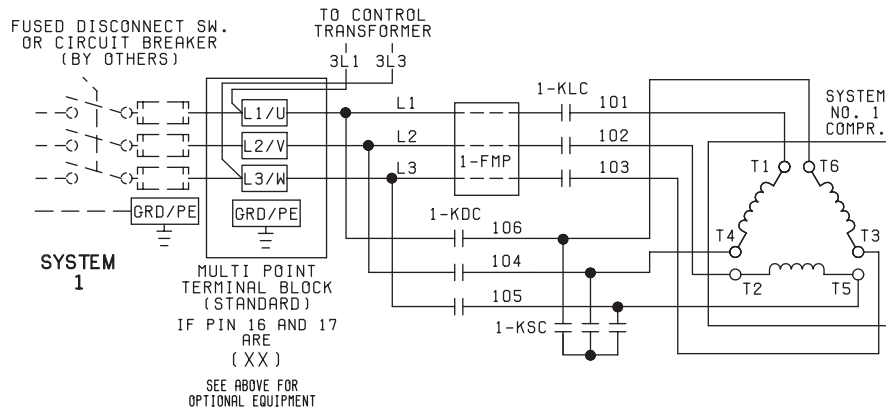
1. WLK2 & WLK3 ARE FITTED WHEN STANDARD PRESSURE SWITCH KIT IS FITTED. WHEN TUV PRESSURE SWITCH KIT IS REQUIRED, REMOVE WLK2 & WLK3.
2. REFER TO TERMINAL BOX / COMPRESSOR DRAWINGS FOR HARNESS LOCATIONS. (DRAWINGS 371-02334-000_SHT1 & SHT2)

----- INDICATES CUSTOMER WIRING

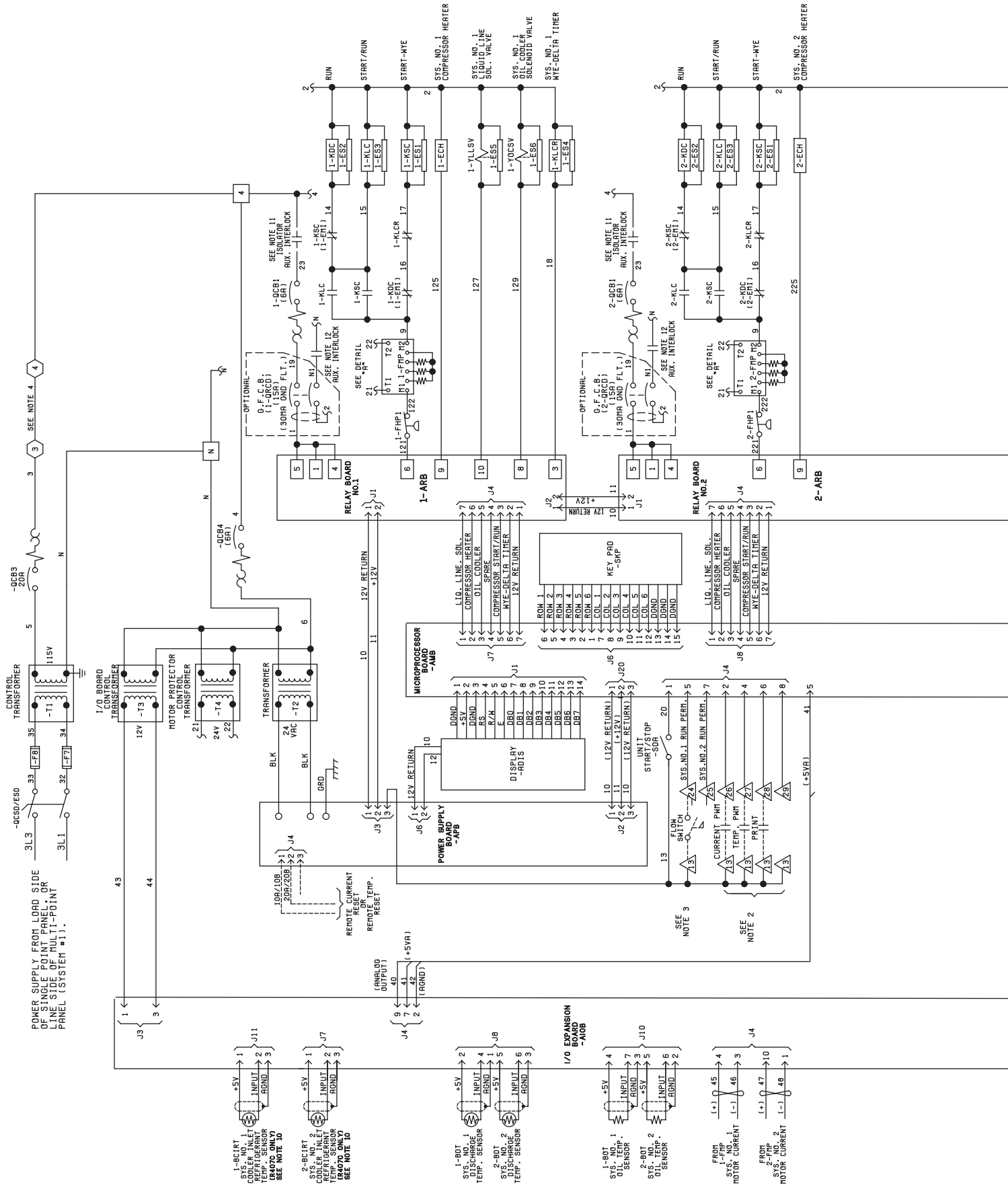
OPTIONAL EQUIPMENT SEE NOTE 6









STANDARD DUAL COMPRESSOR POWER SUPPLIES



LD07049



LEGEND

ES	TRANSIENT VOLTAGE SUPPRESSION
	TERMINAL BLOCK FOR CUSTOMER CONNECTIONS. -XCCTB
	TERMINAL BLOCK FOR CUSTOMER LOW VOLTAGE (CLASS 2) CONNECTIONS. SEE NOTE 2. -XTB1
	TERMINAL BLOCK FOR YORK CONNECTIONS ONLY -XCCTB
	WIRING AND COMPONENTS BY YORK
	OPTIONAL EQUIPMENT
	WIRING AND/OR COMPONENTS BY OTHERS

NOTES:

1. FIELD WIRING TO BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE AS WELL AS ALL OTHER APPLICABLE CODES AND SPECIFICATIONS.
2. CONTACTS MUST BE SUITABLE FOR SWITCHING 24VDC, (GOLD CONTACTS RECOMMENDED). WIRING SHALL NOT BE RUN IN THE SAME CONDUIT WITH ANY LINE VOLTAGE (CLASS 1) WIRING.
3. TO CYCLE UNIT ON AND OFF AUTOMATICALLY WITH CONTACT SHOWN, INSTALL A CYCLING DEVICE IN SERIES WITH THE FLOW SWITCH (TB 13 & 24 OF -XTB1) SEE NOTE 2 FOR CONTACT RATING AND WIRING SPECIFICATIONS.
4. TO STOP UNIT IMMEDIATELY (EMERGENCY STOP) REMOVE JUMPER WLKI AND INSTALL AN E-STOP SWITCH OR CONTACTS BETWEEN TERMINALS 3 AND 4 OF -XCCTB.
5. ALARM CONTACTS - CUSTOMER SUPPLIED POWER SUPPLY TO COMMON TBI OF -ACRB. ALARM OUTPUTS ARE TB8 FOR SYSTEM 1 AND TB7 FOR SYSTEM 2 OF -ACRB.
6. SEE INSTALLATION, OPERATION AND MAINTENANCE MANUAL WHEN OPTIONAL EQUIPMENT IS USED.
7. CHILLER RUN CONTACTS - INDICATE WHEN ANY COMPRESSOR SYSTEM IS RUNNING. CHILLER RUN CONTACTS ARE TB3 AND TB4 OF -ACRB RELAY BOARD.
8. EVAPORATOR PUMP CONTACTS - MAY BE USED TO OPERATE CHILLER EVAPORATOR PUMP IN CONJUNCTION WITH OTHER CONTROLS. EVAPORATOR PUMP CONTACTS ARE TB5 & TB6 OF -ACRB RELAY BOARD.
9. CONTACTS ARE RATED FOR 115VAC, 100VA RESISTIVE LOAD ONLY. LOAD MUST BE SUPPRESSED AT SOURCE BY USER.
10. COOLER INLET REFRIGERANT SENSORS FITTED ONLY ON R-407C CHILLERS.
11. WHEN ISOLATOR IS NOT INSTALLED (OPTIONAL EQUIPMENT) A JUMPER IS INSTALLED TO COMPLETE THE CIRCUIT.
12. WHEN CIRCUIT BREAKER IS NOT INSTALLED (OPTIONAL EQUIPMENT) A JUMPER IS INSTALLED TO COMPLETE THE CIRCUIT.

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NOTES

