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SYMBOL NAME	SYMBOL
POWER CONDUCTOR	
CONTROL, METERING, OR INSTRUMENTATION CONDUCTOR	
FUTURE COMPONENT OR CONDUCTOR	
ELECTRICAL ASSEMBLY BOUNDARY	
CROSSING OF CONDUCTORS (NOT CONNECTED)	
JUNCTION OF CONDUCTORS	
UPWARD POWER FLOW	
RESPONSIBILITY BREAK (SCOPE OF SUPPLY)	
CIRCUIT NUMBER	
TERMINAL BLOCK	
EARTH GROUND	
RECEPTACLE, FEMALE CONNECTOR	
PLUG, MALE CONNECTOR	
SEPARABLE CONNECTOR	

	ANSI/CSA	IEC
MOTOR		
HEATER, LOAD		
ELECTRODIALYSIS STACK (ED, EDR, EDI, OR E-CELL)		
TRANSFORMER		
CURRENT TRANSFORMER		
POTENTIAL TRANSFORMER		
TRANSFORMER WITH MULTIPLE WINDINGS		
3-PHASE, DELTA		
3-PHASE, WYE, UNGROUNDED		
3-PHASE, WYE GROUNDED NEUTRAL		
INDUCTOR, REACTOR		
CAPACITOR		

SYMBOL NAME	ANSI/CSA	IEC
SWITCH, DISCONNECT		
FUSE		
CONTACTOR		
OPERATING COIL		
SUPPLEMENTARY PROTECTOR		
OVERLOAD/OVERCURRENT DEVICE		
AC/DC POWER SUPPLY, RECTIFIER, DC DRIVE		
VARIABLE FREQUENCY DRIVE, UNINTERRUPTIBLE POWER SUPPLY		
KEY INTERLOCK		
REFLECTED WAVE TRAP		
TRANSFER ARROW "TO"		
TRANSFER ARROW "FROM"		

SYMBOL NAME	ANSI/CSA	IEC
CIRCUIT BREAKER WITH THERMAL OVERCURRENT TRIP		
CIRCUIT BREAKER WITH MAGNETIC OVERCURRENT TRIP		
FUSED DISCONNECT SWITCH		
MAGNETIC STARTER WITH OVERLOAD DEVICE		
SELF-PROTECTED MAGNETIC MOTOR CONTROLLER		

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This document is for illustration purposes.  
Data should not be used for final design or construction.

PART NUMBER	DESCRIPTION
3032804	PRO PREMIUM A-B ELECTRICAL ASSEMBLY
3032805	PRO BASIC A-B ELECTRICAL ASSEMBLY
3032806	PRO PREMIUM GE ELECTRICAL ASSEMBLY
3032807	PRO BASIC GE ELECTRICAL ASSEMBLY
3041055	PRO PREMIUM A-B ELECTRICAL ASSEMBLY - LA

DESIGNATIONS AND ABBREVIATIONS

A	AMPERE
AF	AMPERES FRAME
AT	AMPERES TRIP
AWG	AMERICAN WIRE GAUGE
FLA	FULL LOAD AMPERES
GND	GROUND
kA	KILO AMPERE
kAIC	KILO AMPERES INTERRUPTING CAPACITY
kVA	KILO VOLT AMPERE
kW	KILO WATT
MCC	MOTOR CONTROL CENTER
MS	MOTOR STARTER
RMS	ROOT MEAN SQUARE
RPM	REVOLUTIONS PER MINUTE
SCCR	SHORT-CIRCUIT CURRENT RATING
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VA	VOLT AMPERE
VAC	VOLT, ALTERNATING CURRENT
VDC	VOLT, DIRECT CURRENT
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS

REV	DESCRIPTION	ECO	DWN	APVD	DATE	CHKD	TOLERANCES UNLESS NOTED	DRAWN BY	DATE	CLIENT/JOB	DWG DESCRIPTION	SIZE	DRAWING NO.	REV
							DECIMALS ANGLES ±	CHECKED BY SWE	DATE 07Apr09			B	1305302	B
							.X ± .XX ± .XXX ±	APPROVED BY BJB	DATE 07Apr09					
B	ADDED LAM PRO INFO	14014	RMB	ALE	15Apr10	SWE	FRAC ±	APPROVED BY	DATE	FILE ACR2007	MATERIAL/BOM NO. SEE CHART	SCALE NONE	SHEET 1 OF 3	
A	INITIAL RELEASE	13742												

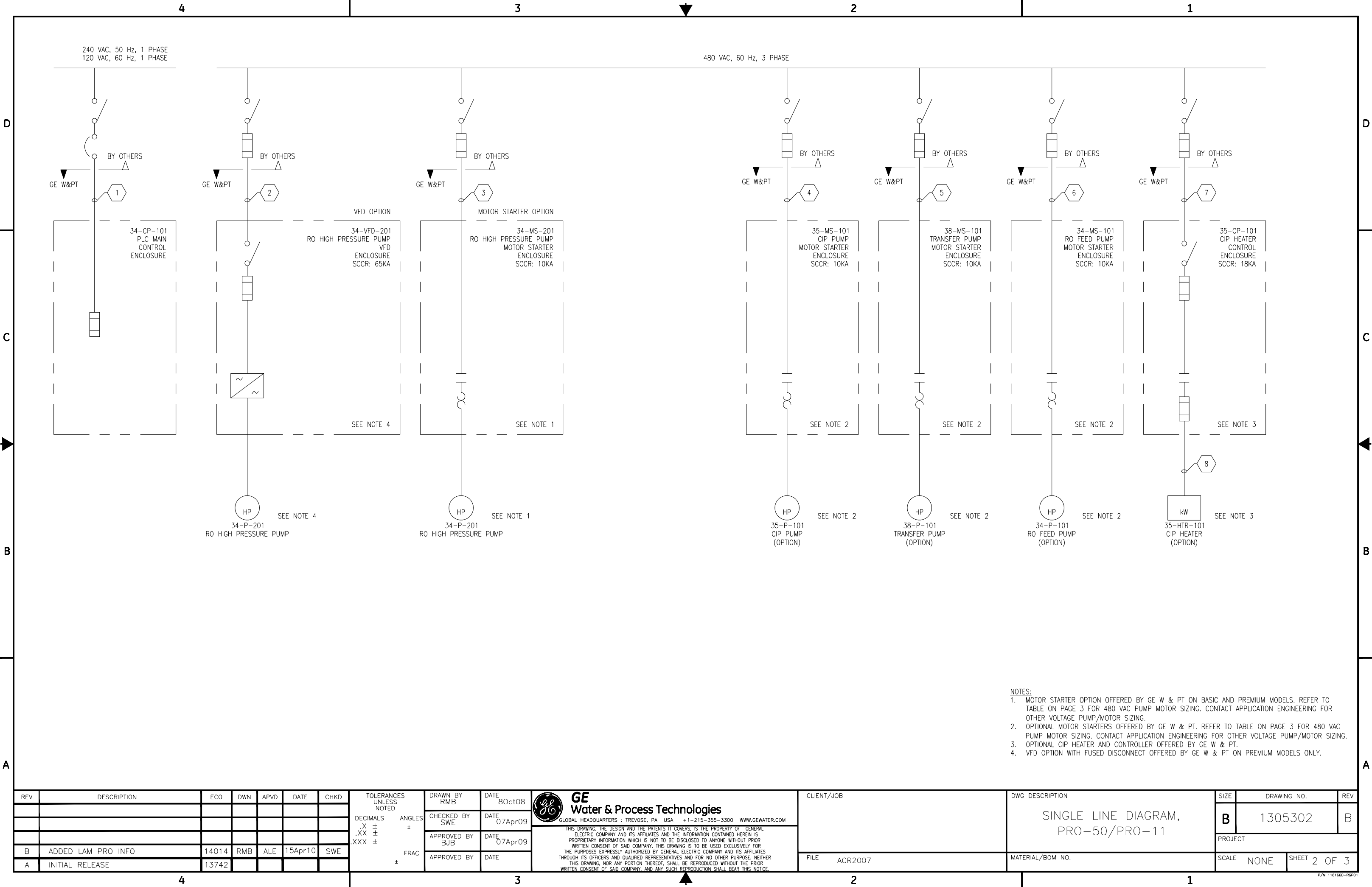
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P/N 1161660-RCP01



- NOTES:
1. MOTOR STARTER OPTION OFFERED BY GE W & PT ON BASIC AND PREMIUM MODELS. REFER TO TABLE ON PAGE 3 FOR 480 VAC PUMP MOTOR SIZING. CONTACT APPLICATION ENGINEERING FOR OTHER VOLTAGE PUMP/MOTOR SIZING.
  2. OPTIONAL MOTOR STARTERS OFFERED BY GE W & PT. REFER TO TABLE ON PAGE 3 FOR 480 VAC PUMP MOTOR SIZING. CONTACT APPLICATION ENGINEERING FOR OTHER VOLTAGE PUMP/MOTOR SIZING.
  3. OPTIONAL CIP HEATER AND CONTROLLER OFFERED BY GE W & PT.
  4. VFD OPTION WITH FUSED DISCONNECT OFFERED BY GE W & PT ON PREMIUM MODELS ONLY.

REV	DESCRIPTION	ECO	DWN	APVD	DATE	CHKD	TOLERANCES UNLESS NOTED	DRAWN BY RMB	DATE	 <div>GE Water &amp; Process Technologies</div> <div>GLOBAL HEADQUARTERS : TREVOSE, PA USA +1-215-355-3300 WWW.GEWATER.COM</div> <div>THIS DRAWING, THE DESIGN AND THE PATENTS IT COVERS, IS THE PROPERTY OF GENERAL ELECTRIC COMPANY AND ITS AFFILIATES AND THE INFORMATION CONTAINED HEREIN IS PROPRIETARY INFORMATION WHICH IS NOT TO BE DISCLOSED TO ANYONE WITHOUT PRIOR WRITTEN CONSENT OF SAID COMPANY. THIS DRAWING IS TO BE USED EXCLUSIVELY FOR THE PURPOSES EXPRESSLY AUTHORIZED BY GENERAL ELECTRIC COMPANY AND ITS AFFILIATES THROUGH ITS OFFICERS AND QUALIFIED REPRESENTATIVES AND FOR NO OTHER PURPOSE. NEITHER THIS DRAWING, NOR ANY PORTION THEREOF, SHALL BE REPRODUCED WITHOUT THE PRIOR WRITTEN CONSENT OF SAID COMPANY, AND ANY SUCH REPRODUCTION SHALL BEAR THIS NOTICE.</div>	CLIENT/JOB	DWG DESCRIPTION	SIZE	DRAWING NO.	REV
							DECIMALS .X ± .XX ± .XXX ±	CHECKED BY SWE	DATE 07Apr09			SINGLE LINE DIAGRAM, PRO-50/PRO-11	B	1305302	B
							ANGLES ±	APPROVED BY BJB	DATE 07Apr09						
B	ADDED LAM PRO INFO	14014	RMB	ALE	15Apr10	SWE	FRAC ±	APPROVED BY	DATE		FILE ACR2007	MATERIAL/BOM NO.	SCALE NONE	SHEET 2 OF 3	

**GE**  
Water & Process Technologies

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CIRCUIT SCHEDULE

CIRCUIT INFORMATION								INSTALLATION INFORMATION							
NO.	TYPE	QTY	DESCRIPTION	VOLTAGE	LOAD	NAME PLATE FLA	OVERCURRENT PROTECTION	MS/VFD/CP PART NUMBER	TERM TEMP	AMB. TEMP	WIRING	CABLE	LENGTH	MOTOR INFO	NOTES
1	BRAN	1	MAIN CONTROL BAS/PRE	220 VAC 120 VAC 60 Hz 1 PH	SINGLE PHASE	7	BUSSMANN LP-CC-10	SEE COVER SHEET	60 C	40 C	12 AWG 14 AWG GND	THHN 90 C		N/A	FUSING (10 AMP)
2	BRAN	1	PRO-50/PRO-11 RO HIGH PRESSURE PUMP (VFD OPTION - PREMIUM ONLY)	480 VAC 60 Hz 3 PH	25 HP	27.8	BUSSMANN JJS-50	3034558	60 C	40 C	6 AWG 10 AWG GND	THHN 90 C		3600 RPM TEFC	DISC (60 AMP) FUSING (50 AMP)
3	BRAN	1	PRO-50/PRO-11 RO HIGH PRESSURE PUMP (MS OPTION)	480 VAC 60 Hz 3 PH	25 HP	27.8	(BY OTHERS)	3027419	60 C	40 C	6 AWG 10 AWG GND	THHN 90 C		3600 RPM TEFC	
4	BRAN	1	PRO-50/PRO-11 CIP PUMP OPTION	480 VAC 60 Hz 3 PH	5 HP	6.2	(BY OTHERS)	3020609	60 C	40 C	12 AWG 12 AWG GND	THHN 90 C		3600 RPM TEFC	
5	BRAN	1	PRO-50/PRO-11 TRANSFER PUMP OPTION (BY OTHERS)	480 VAC 60 Hz 3 PH	N/A	N/A	(BY OTHERS)	(BY OTHERS)	60 C	40 C	N/A	THHN 90 C		(BY OTHERS)	
6	BRAN	1	PRO-50/PRO-11 FEED PUMP OPTION (BY OTHERS)	480 VAC 60 Hz 3 PH	N/A	N/A	(BY OTHERS)	(BY OTHERS)	60 C	40 C	N/A	THHN 90 C		(BY OTHERS)	
7	BRAN	1	PRO-50/PRO-11 CIP HEATER CONTROLLER (OPTION)	480 VAC 60 Hz 3 PH	12kW	15	(BY OTHERS)	3034554	60 C	40 C	2 AWG 6 AWG GND	THHN 90 C		N/A	DISC (100 AMP) FUSING (60 AMP)
8	BRAN	1	PRO-50/PRO-11 CIP HEATER (OPTION)	480 VAC 60 Hz 3 PH	12kW	15	N/A		60 C	40 C	8 AWG 10 AWG GND	THHN 90 C		N/A	FUSING (40 AMP)

ABBREVIATIONS:  
"NO" – CIRCUIT NUMBER  
"QTY" – QUANTITY  
"TERM TEMP" – TERMINAL TEMPERATURE RATING  
"AMB TEMP" – AMBIENT TEMPERATURE  
"N/A" – NOT APPLICABLE

CIRCUIT TYPES:  
"BRAN" – BRANCH  
"FEED" – FEEDER  
"SERV" – SERVICE  
"CTRL" – CONTROL  
"INST" – INSTRUMENTATION

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