



Available Controllers

- Decision-Maker® MPAC 1200

Ratings

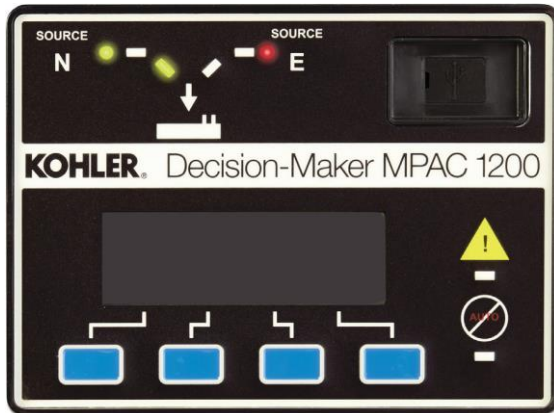
Current	Voltage	Frequency
30-1200 amps	208-600 VAC	50/60 Hz

Transfer Switch Standard Features

- UL 1008 listed file #E58962 (automatic), #E86894 (nonautomatic)
- CSA certification available
- IBC seismic certification available
- Available in 2, 3, or 4 pole configurations
- Electrically operated, mechanically held mechanism
- High withstand and close-on ratings
- Design suitable for emergency and standby applications on all classes of load, 100% tungsten rated through 400 amps
- Silver alloy main contacts
- Gold-flashed engine start contacts rated 2 amps @ 30 VDC/250 VAC
- Front-accessible contacts for easy inspection
- Front-replaceable main and arcing contacts (800-1200 amps)
- Reliable, field-proven solenoid mechanism
- Switching mechanisms lubricated for the expected life of the transfer switch
- Internal manual operating handle
- Main shaft auxiliary position-indicating contacts rated 10 amps @ 32 VDC/250 VAC
- NEMA type 1, 12, 3R, 4, and 4X enclosures available
- Standard one-year limited warranty. Extended limited warranties are available.
- Standard-transition operation with either automatic or non-automatic control
- Standard-transition transfer time less than 100 milliseconds (6 cycles @ 60 Hz)
- Double-throw, mechanically interlocked design (break-before-make power contacts)
- Solid, switched, or overlapping (make-before-break) neutral

Automatic Transfer Switch Controller

Decision-Maker® MPAC 1200 Controller



- LCD display, 4 lines x 20 characters, backlit
- Complete programming and viewing capability at the door using the keypad and LCD display
- LED indicators: Source available, transfer switch position, service required (fault), and “not in auto”
- Programmable voltage and frequency pickup and dropout settings
- Programmable time delays
- Programmable generator exerciser
- Time-based load control
- Two programmable inputs and two programmable outputs
- Up to four I/O extension modules available
- Modbus communication standard
- RS-485 communication standard
- Ethernet communication optional

For more information about Decision-Maker® MPAC 1200 features and functions, see specification sheet G11-127.

Codes and Standards

The ATS meets or exceeds the requirements of the following specifications:

- CSA C22.2 No. 178 certification available, file #LR58301
- EN61000-4-4 Fast Transient Immunity Severity Level 4
- EN61000-4-5 Surge Immunity Class 4 (voltage sensing and programmable inputs only)
- IEC Specifications for EMI/EMC Immunity:
 - CISPR 11, Radiated Emissions
 - IEC 1000-4-2, Electrostatic Discharge
 - IEC 1000-4-3, Radiated Electromagnetic Fields
 - IEC 1000-4-4, Electrical Fast Transients (Bursts)
 - IEC 1000-4-5, Surge Voltage
 - IEC 1000-4-6, Conducted RF Disturbances
 - IEC 1000-4-8, Magnetic Fields
 - IEC 1000-4-11, Voltage Dips and Interruptions
- IEEE Standard 446, IEEE Recommended Practice for Emergency and Standby Power Systems for Commercial and Industrial Applications
- IEEE 472 (ANSI C37.90A) Ring Wave Test
- NEMA Standard ICS 10-2005, Electromechanical AC Transfer Switch Equipment
- NFPA 70, National Electrical Code
- NFPA 99, Essential Electrical Systems for Health Care Facilities
- NFPA 110, Emergency and Standby Power Systems
- Seismic certification in accordance with the International Building Code is available. (Accessory kit is required for seismic certification.)
 - IBC 2000, referencing ASCE 7-98 and ICC AC-156
 - IBC 2003, referencing ASCE 7-02 and ICC AC-156
 - IBC 2006, referencing ASCE 7-05 and ICC AC-156
 - IBC 2009, referencing ASCE 7-05 and ICC AC-156
 - IBC 2012, referencing ASCE 7-10 and ICC AC-156
- Underwriters Laboratories UL 1008, Standard for Automatic Transfer Switches for Use in Emergency Standby Systems file #E58962 (automatic), #E86894 (nonautomatic)

Application Data

Environmental Specifications	
Operating Temperature	-20°C to 70°C (-4°F to 158°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Humidity	5% to 95% noncondensing

Input and Output Connection Specifications	
Component	Wire Size Range
Main board I/O terminals	#12-24 AWG
I/O module terminals	#14-24 AWG

Auxiliary Position Indicating Contacts (rated 10 amps @ 32 VDC/250 VAC)	
Switch Rating, Amps	Number of Contacts Indicating Normal, Emergency
30-230	2, 2
260-1200	8, 8

Cable Sizes

Note: Cable size data is subject to change. Refer to the transfer switch dimension drawings and wiring diagrams for planning and installation.

UL-Listed Solderless Screw-Type Terminals for External Power Connections				
Range of Wire Sizes, Copper or Aluminum *				
Model	Switch Rating, Amps	Normal, Emergency, and Load (per phase)	Neutral (3-pole)	Ground
KSS	30-150	(1) #14 AWG to 4/0 AWG	(3) #14 to 4/0 AWG	(3) #6 to 3/0 AWG
	200	(1) #14 AWG to 4/0 AWG Cu only	(3) #14 to 4/0 AWG Cu only	(3) #6 to 3/0AWG
	230 (208-480 V)			
	230 (600 V)	(1) #4 AWG to 600 KCMIL or (2) 1/0 AWG to 250 KCMIL	(3) #4 AWG to 600 KCMIL or (6) 1/0 AWG to 250 KCMIL	(3) #4 AWG to 600 KCMIL or (6) 1/0 to 250 KCMIL
	260-400	(2) #2 AWG to 600 KCMIL	(6) #2 AWG to 600 KCMIL	
	600	(4) 1/0 AWG to 750 KCMIL	(12) 1/0 AWG to 750 KCMIL	
	800-1000			
	1200 (NEMA 3R)	(4) 1/0 AWG to 750 KCMIL	(12) 1/0 AWG to 750 KCMIL	
1200 (NEMA 1)				

* Use 75°C minimum Cu/Al wire for power connections.

* Use 75°C minimum Cu/Al wire for power connections.

Weights and Dimensions

Note: Always use the transfer switch dimension drawing for planning and installation. Weights and dimensions may vary for different configurations. See your local distributor for dimension drawings.

Weights and dimensions are shown for NEMA Type 1 enclosures, NEMA Type 3R enclosures and open units. See the transfer switch dimension drawings for other enclosure types.

Model	Amps	NEMA Type	Poles	Wires	Dimensions mm (in.)			Weight kg (lb.)			Dimension Drawing
					Height	Width	Depth	2-Pole	3-Pole	4-Pole	
KSS	30-200	1, 3R	2,3,4	3, 4	791 (31)	450 (18)	314 (12.4)‡	28 (62)	30 (65)	31 (68)	ADV-8566
	230 (208-480V)		2,3,4	3, 4	1223 (48)	560 (22)	362 (14.3)‡	52 (115)	56 (123)	59 (131)	ADV-8568
	230 (600 V)		2,3,4	3, 4	1702 (67)	610 (24)	514 (20.2)‡	179 (395)	183 (403)	188 (414)	ADV-8570
	260-600		2,3,4	3, 4	1932 (76) *	864 (34)	515 (20.3)‡	220 (485)	231 (510)	238 (525)	ADV-8572
	800		3,4	4	1932 (76) *	864 (34)	515 (20.3)‡	—	231 (510)	238 (525)	ADV-8572
	1000	1	3,4	4	2286 (90)	963 (38)	688 (27.1)	—	356 (785)	379 (835)	ADV-8574
	1200		3,4	4	2286 (90)	940 (37)	717 (28.2)	—	356 (785)	379 (835)	ADV-8575
	30-200	Open Unit §	2,3,4	3, 4	787 (31)	445 (18)	296 (11.6)	8 (17)	9 (20)	11 (23)	ADV-7182
	230 (208-480V)		2,3,4	3, 4	1219 (48)	457 (18)	330 (13.0)	17 (37)	21 (45)	24 (53)	
	230 (600V)		2,3,4	3, 4	1422 (56)	610 (24)	362 (14.3)	31 (68)	34 (74)	36 (80)	
	260-600		2,3,4	3, 4	1829 (72)	864 (34)	508 (20)	68 (150)	78 (170)	90 (196)	
	800		3,4	4	1829 (72)	864 (34)	508 (20)	—	78 (170)	90 (196)	
	1000		3,4	4	2210 (87)	965 (38)	584 (23)	—	78 (170)	90 (196)	
	1200		3,4	4							

* Includes mounting feet

‡ On 30-1000 amp models, the NEMA type 3R enclosures have a security cover on the controller that extends 54 mm (2.1 in.) beyond the door.

§ Dimensions shown for open units are the minimum required enclosure size. Open unit weights are shipping weights for the contactor only.

Withstand and Close-On Ratings (WCR)

Standard, Programmed, and Closed-Transition Models

Maximum current in RMS symmetrical amperes when coordinated with customer-supplied fuses or circuit breakers. All values are available symmetrical RMS amperes and tested in accordance with the withstand and close-on requirements of UL 1008. Application requirements may permit higher withstand ratings for certain size switches. Contact the factory for assistance.

Model	Switch Rating, Amps	Withstand Current Ratings in RMS Symmetrical Amperes									
		Current-Limiting Fuses				Time-Based Rating			Specific Breaker		
		480 V Max.	600 V Max.	Amps, Max.	Fuse Class	Time, sec.	480 V Max.	600 V Max.	240 V Max.	480 V Max.	600 V Max.
KSS	30	100kA	—	300	J	0.025	10kA	10kA	22kA	22kA	10kA
		200kA	35kA	200	J						
		35kA	35kA	200	RK1						
	70 104 150	200kA	35kA	200	J	0.025	10kA	10kA	150kA	85kA	25kA
		35kA	35kA	200	RK1						
	200	200kA	35kA	200	J	0.025	10kA	10kA	200kA	85kA	14kA
		35kA	35kA	200	RK1	0.025	10kA	10kA	200kA	85kA	14kA
	230 (480V)	100kA	—	300	J	0.025	10kA	—	200kA	85kA	14kA
	230 (600V) 260	200kA	200kA	600	J	0.05	22kA	22kA	200kA	200kA	42kA
				800	L						
	400 600	200kA	200kA	600	J	0.05	22kA	22kA	65kA	50kA	42kA
				800	L						
	800-1200	200kA	200kA	1600	L	0.05	22kA	22kA	65kA	65kA	65kA

Ratings with Specific Manufacturers' Circuit Breakers

The following charts list power switching device withstand and close-on ratings (WCR) in RMS symmetrical amperes for specific manufacturers' circuit breakers. Circuit breakers are supplied by the customer.

Model	Switch Rating, amps	WCR, amps RMS	Volts, Max.	Molded-Case Circuit Breakers		
				Manufacturer	Type or Class	Max. Size, amps
KSS	30	22,000	480	GE	THED	40
		25,000		Siemens/ITE	ITE CED6	125
	70	150,000	240	Square D	HR	250
		125,000			HL	150
		100,000			BJ, HJ	125
		65,000			BG, HG	125
		42,000			QG, QJ	90
		25,000			HD	150
		25,000			BD	125
		22,000	480	GE	THED	90
		85,000		Square D	HL, HR	150
		50,000			BJ	125
		35,000			HG, HJ	150
		18,000			BG	125
		18,000			BD, HD	125
		25,000	600	Square D	HJ, HL, HR	150
		18,000			BJ	125
		18,000			HG	150
		14,000			BG	125
		14,000			HD	150
		14,000			BD	125

Model	Switch Rating, amps	WCR, amps RMS	Volts, Max.	Molded-Case Circuit Breakers		
				Manufacturer	Type or Class	Max. Size, amps
KSS	104	150,000	240	Square D	HR	250
		125,000			HL	150
		100,000			BJ, HJ	125
		65,000			BG, HG	125
		42,000			QG, QJ	125
		25,000			HD	150
		25,000			BD	125
		22,000	480	GE	THED	150
		85,000		Square D	HL, HR	150
		50,000			BJ	125
		35,000			HG, HJ	150
		18,000			BG	125
		18,000			BD, HD	125
		25,000	600	Square D	HJ, HL, HR	150
		18,000			BJ	125
		18,000			HG	150
		14,000			BG	125
		14,000			HD	150
		14,000			BD	125
KSS	150	150,000	240	Square D	HR	250
		125,000			HL	150
		100,000			BJ, HJ	125
		65,000			JG, JJ, JL, JR	200
		42,000			BG, HG	125
		25,000			QG, QJ	200
		25,000			HD	150
		25,000			BD	125
		22,000	480	GE	THED	150
		85,000		Square D	HL, HR	150
		50,000			BJ	125
		35,000			HG, HJ	150
		25,000			BG	125
		18,000			JG, JJ, JL	200
		18,000			BD, HD	125
		25,000	600	Square D	HJ, HL, HR	150
		18,000			BJ	125
		18,000			HG	150
		14,000			BG	125
		14,000			HD	150
		14,000			BD	125

Model	Switch Rating, amps	WCR, amps RMS	Volts, Max.	Molded-Case Circuit Breakers				
				Manufacturer	Type or Class	Max. Size, amps		
KSS	200 230	200,000	240	Square D	JR	250		
		125,000			JL	250		
		100,000			JJ	250		
		65,000			JG	250		
		42,000			QG, QJ	225		
		25,000			JD	250		
		85,000	480	Square D	JL, JR	250		
		30,000			JG, JJ	250		
		18,000			JD	250		
	200	14,000	600	Square D	JD, JG, JJ, JL, JR	250		
	230	42,000	600	Eaton/Cutler Hammer	JGU, JGX, JGH	250		
					KDC	400		
					LDC, CLDC	600		
				GE	TBC4	400		
					SGL1, SGL4, SGL6, SGP1, SGP4, SGP6, FGP	600		
				Siemens/ITE	HJD, CFD6	250		
					HHJD6, HHJXD6, CJD6, SCJD6	400		
					HHLD6, HHLXD6, CLD6, SCLD6, LNG, LPG, LGC*, LGU*, LGX*	600		
				Square D	HI, HL, HG	150		
					KI, JJ, JL, JR, CF250L	250		
					CK400H, CK400HH, CJ400L	400		
					CK800H, CK800HH, MasterPact SR 28D, PK	800		
					LL (current limiting)	600		
					LR (current limiting)	600		
				50,000	Eaton/Cutler Hammer	PD3 (current limiting)		
				100,000				
				65,000				
* With Digitrip 310+ LS or LSG Inst. Override set to 12X.								
§ KCP only								

Model	Switch Rating, amps	WCR, amps RMS	Volts, Max.	Molded-Case Circuit Breakers				
				Manufacturer	Type or Class	Max. Size, amps		
KSS	260	65,000	240	GE	THQMV	225		
				SGL1, SGL4, SGL6, SGP1, SGP4, SGP6	600			
		65,000		Eaton/ Cutler Hammer	LDC, CLDC, HLD, CHLD	600		
				Siemens/ITE	HLD6, HLXD6	600		
		100,000		Square D	QG, QJ	250		
		125,000			LJ (current limiting)	600		
					LL (current limiting)	600		
					LR (current limiting)	600		
		200,000		Eaton/ Cutler Hammer	PD2 (current limiting)	225		
				PD3 (current limiting)	600			
		50,000	480	Eaton/ Cutler Hammer	HFDE, FDCE, HFD, FDC, LHH	225		
					JDC, JGH, JGC, JGU, JGX	250		
					HKD, HKDB, CHKD, CHKDB, KDC	400		
					HLD, CHLD, LDC, CLDC, LGH*, LGC*, LGU*, LGX*, NHH	600		
					MDL, CMDL, HMDL, CHMDL, NGS, NGH, NGC, MDLB, CMDLB, HMDLB, CHMDLB	800		
				GE	SFL, SFP, FEN, FEH	250		
					TBC4	400		
					TBC6, TJL4V, TJL1S-6S, SGL1, SGL4, SGL6, SGP1, SGP4, SGP6, FGN, FGH, FGL, FGP	600		
					TBC8, TKL4V, TKH8S-12S, TKL8S-12S, SKH8, SKL8, SKP8, TB8	800		
				Siemens/ITE	HFD6, HFXD6, HHFD6, HHFXD6, CFD6, HFG, LFG	250		
					HJD6, HJXD6, SHJD6, HHJD6, HHJXD6, CJD6, SCJD6, HJG, LJG, LLG	400		
					HLD6, HLXD6, SHLD6, HHLD6, HHLXD6, CLD6, SCLD6, HLG	600		
					LMD, LMD6, LMXD, LMXD6, HLMD, HLMD6, HLMXD, HLMXD6, MD, MD6, MXD6, HMG, HMD6, HMXD6, SMD6, SHMD6, CMD6, SCMD6, LMG, MG	800		
				Square D	KI, KC, CF250L, NSF250	250		
					CK400N, CK400NN, CK400H, CK400HH, CJ400L, NSJ400	400		
					LC, DJ, DL, LJ, LL, LR, LI, NSJ600	600		
					CK800N, CK800NN, CK800H, CK800HH, MasterPact STR 28D, MJ, PK, PJ, PL	800		
					CK1000HL	1000		
					CK1200NN, CK1200HH	1200		
					JJ (current limiting)	250		
					LJ (current limiting)	600		
					JL (current limiting)	250		
					LL (current limiting)	600		
					JR (current limiting)	250		
				LR (current limiting)	600			
				Eaton/ Cutler Hammer	PD2 (current limiting)	225		
					PD3 (current limiting)	600		
				42,000	600	Eaton/ Cutler Hammer	JGU, JGX	250
							KDC	400
							LDC, CLDC	600
						GE	TBC4	400
							TBC6, SGL1, SGL4, SGL6, SGP1, SGP4, SGP6, FGP	600
							TBC8, TKL4V, TKL8S-12S, SKL8, SKP8	800
						Siemens/ITE	HJD, CFD6	250
							HHJD6, HHJXD6, CJD6, SCJD6	400
							HHLD6, HHLXD6, CLD6, SCLD6	600
							HLMD6, HLMXD6, HMXD6, SHMD6, HMD6, CMD6, SCMD6, LMG, LNG, LPG, LGC*, LGU*, LGX*	800
						Square D	KI, JL, JR, JJ, CF250L	250
							CK400H, CK400HH, CJ400L	400
							LI	600
							CK800H, CK800HH, MasterPact STR 28D, PK	800
							LL (current limiting)	600
50,000								
* With Digitrip 310+ LS or LSG Inst. Override set to 12X.								

* With Digitrip 310+ LS or LSG Inst. Override set to 12X.

Model	Switch Rating, amps	WCR, amps RMS	Volts, Max.	Molded-Case Circuit Breakers		
				Manufacturer	Type or Class	Max. Size, amps
KSS	260	65,000	600	Eaton/ Cutler Hammer	PD3 (current limiting)	600
		100,000		Square D	LR (current limiting)	600
	400	65,000	240	GE	THQMV	225
					SGL1, SGL4, SGL6, SGP1, SGP4, SGP6	600
		200,000		Eaton/ Cutler Hammer	LDC, CLDC, HLD, CHLD	600
					PD2 (current limiting)	225
					PD3 (current limiting)	600
					Siemens/ITE	HLD6, HLXD6
		65,000		Square D	QG, QJ	250
					LJ (current limiting)	600
					LL (current limiting)	600
					LR (current limiting)	600
		100,000	480	Eaton/ Cutler Hammer	JGH, JGC, NHH	250
					HKD, CHKD, KDC, HKDB, CHKDB, LHH	400
		CHLD, LDC, CLDC, LGH*, LGC*, LGU*, LGX*			600	
		MDL, CMDL, HMDL, CHMDL, NGS, NGH, NGC, MDLB, CMDLB, HMDLB, CHMDLB			800	
		NGU			1600	
		GE		TBC4	400	
				TBC6, TJL4V, TJL1S-6S, SGL1, SGL4, SGL6, SGP1, SGP4, SGP6, FGN, FGH, FGL, FGP	600	
				TBC8, TKL4V, TKH8S-12S, TKL8S-12S, SKH8, SKL8, SKP8, TB8	800	
		Siemens/ITE		HFD6, HFXD6, HFG, LFG	250	
				HJD6, HJXD6, SHJD6, HHJD6, HHJXD6, CJD6, SCJD6, HJG, LLG, LJG	400	
				HLD6, HLXD6, SHLD6, HHLXD6, CLD6, SCLD6, HLG	600	
				LMD6, LMXD6, HLMD6, HLMXD6, MD6, MXD6, HMD6, HMXD6, SMD6, SHMD6, CMD6, SCMD6, HMG, LMG	800	
				CK400N, CK400NN, CK400H, CK400HH, CJ400L, NSJ400	400	
		Square D		LC, DJ, DL, LJ, LL, LR, LI, NSJ600	600	
				CK800N, CK800NN, CK800H, CK800HH, MJ	800	
				CK1000HH	1000	
				PK, PJ, PL, MH, MasterPact STR 28D, CK1200HH	1200	
				LJ (current limiting)	600	
				LL (current limiting)	600	
				LR (current limiting)	600	
		100,000	Eaton/ Cutler Hammer	PD3 (current limiting)	600	
		42,000	600	Eaton/ Cutler Hammer	KDC	400
					LDC, CLDC, LGC*, LGU*, LGX*	600
					PD3 (current limiting)	600
			GE	TBC4	400	
				TBC6, SGL1, SGL4, SGL6, SGP1, SGP4, SGP6, FGP	600	
				TBC8, TKL4V, TKL8S-12S, SKL8, SKP8	800	
				HHJD6, HHJXD6, CJD6, SCJD6	400	
				HHLXD6, HHLXD6, CLD6, SCLD6	600	
				HLMD6, HLMXD6, HMXD6, SHMD6, HMD6, CMD6, SCMD6, LMG	800	
			Siemens/ITE	LNG, LPG	1200	
				Square D	CK400H, CK400HH, CJ400L	400
					LI	600
					CK800H, CK800HH	800
					MasterPact STR 28D, PK	1200
			LL (current limiting)		600	
		LR (current limitina)	600			
50,000						
100,000						

* With Digitrip 310+ LS or LSG Inst. Override set to 12X.

Model	Switch Rating, amps	WCR, amps RMS	Volts, Max.	Molded-Case Circuit Breakers				
				Manufacturer	Type or Class	Max. Size, amps		
KSS	600	65,000	240	GE	THQMV	225		
					SGL1, SGL4, SGL6, SGP1, SGP4, SGP6	600		
				Siemens/ITE	HLD6, HLXD6	600		
				Eaton/ Cutler Hammer	LDC, CLDC, HLD, CHLD	600		
				Square D	QG, QJ	250		
					LJ (current limiting)	600		
		LL (current limiting)	600					
		LR (current limiting)	600					
		200,000	Eaton/ Cutler Hammer	PD2 (current limiting)	225			
				PD3 (current limiting)	600			
		50,000	480	Eaton/ Cutler Hammer	JGH, JGC, HFG, LFG	250		
					HLD, CHLD, LDC, CLDC, LGH*, LGC*, LGU*, LGX*	600		
					MDL, CMDL, HMDL, CHMDL, NGS, NGH, NGC, NGU, MDLB, CMDLB, NF	800		
				GE	TBC6, TJL4V, TJL1S-6S, SGL1, SGL4, SGL6, SGP1, SGP4, SGP6, FGN, FGH, FGL, FGP	600		
					TBC8, TKL4V, TKH8S-12S, TKL8S-12S, SKH8, SKL8, SKP8, TB8	800		
					SKL12, SK12P	1200		
				Siemens/ITE	HLD6, HLXD6, SHLD6, HHLD6, HHLXD6, CLD6, SCLD6, HLG, LLG	600		
					LMD6, LMXD6, HLMD6, HLMXD6, MD6, MXD6, HMD6, HMXD6, SMD6, SHMD6, CMD6, SCMD6, HMG, LMG	800		
					HND6, HNXD6, SND6, SHND6, ND6, NXD6, HNG, LNG, CND6	1200		
				Square D	LC, DJ, DL, LI, NSJ600	600		
					CK800N, CK800NN, MJ	800		
					MH, CK1200N, CK1200NN, CK1200H, CK1200HH, NT-H, NT-L1, NT-L, NT-LF, PK, PJ, PL	1200		
					CM2000HH	2000		
					CM2500HH	2500		
					PL1200	1200		
					LJ (current limiting)	600		
					LL (current limiting)	600		
					LR (current limiting)	600		
				100,000	Eaton/ Cutler Hammer	PD3 (current limiting)	600	
				42,000	600	Eaton/ Cutler Hammer	JGC	250
							TBC4	400
							LDC, CLDC	600
						GE	TBC6, SGL1, SGL4, SGL6, SGP1, SGP4, SGP6, FGP	600
							TBC8, TKL4V, TKL8S-12S, SKL8, SKP8	800
							SKL12, SKP12	1200
						Siemens/ITE	HHLD6, HHLXD6, CLD6, SCLD6	600
							HLMD6, HLMXD6, HMXD6, SHMD6, HMD6, CMD6, SCMD6, LMG	800
							HND6, HNXD6, HNG, LNG, SHND6	1200
						Square D	LI	600
							CK800H, CK800HH	800
							CK1000HL	1000
							CK1200H, CK1200HH, NT- H, NT- L, NT- LF, NT- L1, MasterPact STR 28D, PK	1200
						50,000		LL (current limiting)
		65,000	Eaton/ Cutler Hammer			PD3 (current limiting)	600	
		100,000	Square D			LR (current limiting)	600	
		* With Digitrip 310+ LS or LSG Inst. Override set to 12X.						

* With Digits 310+ LS or LSG Inst. Override set to 12X.



Model - KSSB

Automatic Transfer Switches Standard Specific Breaker Rated

Model	Switch Rating, amps	WCR, amps RMS	Volts, Max.	Molded-Case Circuit Breakers		
				Manufacturer	Type or Class	Max. Size, amps
KSS	800 1000 1200	65,000	480	Eaton/ Cutler Hammer	HLD, CHLD, LGH, LGC, LGU, LGX, LDC, CLDC	600
					HMDL, CHMDL, HMDLB, CHMDLB	800
					HND, CHND, NDC, CNDC, NF	1200
					NGH, NGC, NGU	1600
					RGH, RGC	2500
				GE	TBC6, TJL4V, SGL, SGP6	600
					TBC8, SKL8, SKP8	800
					SKL12, SKP12, TKL4V	1200
				Siemens/ITE	HLXD6, HHLXD6, HHLD6, CLD6, SHLD6, SCLD6, HLG, LLG	600
					HMXD6, HMD6, SHMD6, HMG, LMG, CMD6, SCMD6	800
					SHND6, CND6, HNXD6, HNG, LNG	1200
					HPG, LPG, HPD, HPD6, CPD6, HPXD, HPXD6, SHPD, SHPD6	1600
					HRD6, HRXD6	2000
				Square D	LI, LE LSI, LE LI, LX, LXI, LJ, LL, LR	600
					MJ, ME, MX, CK800H, CK800HH	800
					CK1000HL	1000
					NT-L1, NT-L, NT-LF, NE, NX, CK1200H, CK1200HH, PJ, PL	1200
					NW, RJ, RL	1600
					PE, PX	2500
					SES, SE, SEH (LS or LSI TRIP)	3000
					SE (LI, LSI-E, and LI-E TRIP)	4000
					MasterPact STR 28D	6300
		65,000	600	Eaton/ Cutler Hammer	Tri-Pac NB	800
					RDC	2500
				Siemens/ITE	CND	1200

Controller Accessories

See the controller specification sheets for more information.

- ☐ **Accessory Modules**
 - Alarm Module
 - External Battery Supply Module
 - Input/Output Module
 - High-Power Input/Output Module
- ☐ **Controller Disconnect Switch**
- ☐ **Ethernet Communications**
- ☐ **Current Sensing Kit**
- ☐ **Padlockable User Interface Cover**
- ☐ **Supervised Transfer Control Switch**

Transfer Switch Accessories

Accessories are available either factory-installed or as loose kits, unless otherwise noted.

- ☐ **CSA Certification**
- ☐ **Digital Meter**
 - Measure and display voltage, current, frequency, and power
 - 35 programmable alarms
 - LCD display, 67 x 62.5 mm (2.65 x 2.5 in.)
 - Pushbutton operation
 - Password-protected programming menus
 - Two digital inputs
 - Two digital outputs
 - Two Form A relay outputs
 - Serial port for optional network connections
 - Data logging
 - Factory-installed
- ☐ **Engine Start Circuit Monitor**
See Specification Sheet G6-165.
- ☐ **Export Packaging**
 - 10-year major components
- ☐ **Extended Limited Warranties**
 - 2-year basic
 - 5-year basic
 - 5-year comprehensive

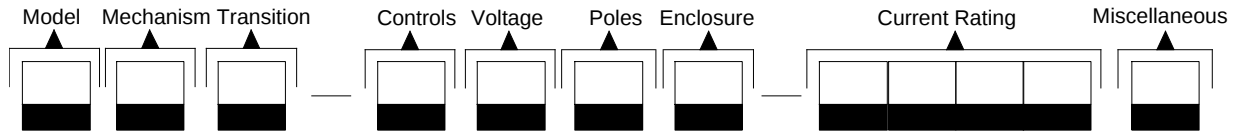
- ☐ **Heater, Anti-Condensation**
 - Hygrostat-controlled 120 VAC strip heater (customer-supplied voltage source required)
 - 100 or 250 watts (sized for enclosure)
 - Protective 15 Amp circuit breaker
- ☐ **Literature Kits**
 - Production literature kit (one set of literature is included with each transfer switch)
 - Overhaul literature kit
- ☐ **RSA III Remote Serial Annunciator**
 - Monitors the generator set
 - Monitors Normal and Emergency source status and connection
 - Monitors ATS common alarm
 - Allows remote testing of the ATS
 - For more information, see specification sheet G6-139.
- ☐ **Surge Protection Device (SPD)**
 - SPD available for the normal source supply
 - Surge protection reduces transient voltages to harmless levels
 - Protection modes: L-L/L-N/L-G/N-G
 - Replaceable phase and neutral cartridges for service
 - Frequency: 50-60 Hz
 - Operating Temperature Range: -40 to 176°F (-40 to 80°C)
 - Remote contacts for customer-supplied status indicators:
 - Contacts: 1 NO, 1 NC
 - Min Load: 12VDC/10 mA
 - Max. Load: 250 VAC/1 A
 - Wire Size (max.): 16AWG
 - Fuse protection: 30 amps/600 V
 - UL 1449, 3rd Edition for Type 2 applications
 - IEC 61-643-1, 2nd Edition T2/11
 - See additional SPD specifications below

Seismic Certification

- ☐ **IBC Seismic Certification**
 - Certification depends on application and geographic location. Contact your distributor for details.
 - Available for all KSS enclosures.

SPD Specifications								
Nominal Voltage (V±15%)	Max. Discharge Current (kA)	Phase	Poles	UL VPR 3rd Ed (L-N/N-G/L-G) (kV)	Limiting Voltage, (L-N/N-G/L-G) (kV)		Short Circuit Withstand Current (kA)	Maximum Continuous Operating Voltage (VAC)
					at 3kAmps	at 10kAmps		
240/120	40	Split	3	0.6/1.2/0.7	0.6/0.4/0.6	0.8/0.7/0.8	200	175/350
208/120	40	Wye	4	0.6/1.2/0.7	0.6/0.4/0.6	0.8/0.7/0.8	200	175/350
480/277	40	Wye	4	1.0/1.2/1.1	1.0/0.4/1.0	1.2/0.7/1.2	200	320/640
240/120	40	HLD	4	1.0/1.2/1.1	1.0/0.4/1.0	1.2/0.7/1.2	200	320/640
600/347	40	Wye	4	1.3/1.2/1.4	1.3/0.4/1.3	1.5/0.7/1.5	200	440/880

Model Designation



Record the transfer switch model designation in the boxes. The transfer switch model designation defines characteristics and ratings as explained below.

Sample Model Designation: KSS-AMTA-0400S

Model

K: Kohler

Mechanism

S: Standard (Specific Breaker)

Transition

S: Standard

Controller

- A: Decision-Maker® MPAC 1200, Automatic
- B: Decision-Maker® MPAC 1200, Non-Automatic

Voltage/Frequency

- | | |
|--------------------|--------------------|
| C: 208 Volts/60 Hz | K: 440 Volts/60 Hz |
| D: 220 Volts/50 Hz | M: 480 Volts/60 Hz |
| F: 240 Volts/60 Hz | N: 600 Volts/60 Hz |
| G: 380 Volts/50 Hz | P: 380 Volts/60 Hz |
| H: 400 Volts/50 Hz | R: 220 Volts/60 Hz |
| J: 416 Volts/50 Hz | S: 400 Volts/60 Hz |

Number of Poles/Wires

- N: 2 Poles/3 Wires, Solid Neutral
- T: 3 Poles/4 Wires, Solid Neutral
- V: 4 Poles/4 Wires, Switched Neutral
- W: 4 Poles/4 Wires, Overlapping Neutral

Enclosure

- | | |
|------------|--------------|
| A: NEMA 1 | D: NEMA 4 |
| B: NEMA 12 | F: NEMA 4X |
| C: NEMA 3R | G: Open Unit |

Current, Amps

- | | | |
|------|------|------|
| 0030 | 0200 | 0600 |
| 0070 | 0230 | 0800 |
| 0104 | 0260 | 1000 |
| 0150 | 0400 | 1200 |

Connections

S: Standard

Note: Some selections are not available for every model. Contact your authorized distributor for availability.

Availability is subject to change without notice. Discovery Energy, LLC reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. Contact your local authorized distributor for availability.