PANEL: C
NEMA 1

CIRCUITS 42
MAIN BREAKER: N/A AMPS
MAIN LUGS: 200 AMPS
K.A.I.C.: 22 AMPS
MOUNTED FLUSH SURFACE X FEED THRU

1 PHASE
3 WIRE
X 240/120V

TYPE	CKT NO	IDENTIFICATION	WIRE	GND.	COND	CIRCUIT BREAKER TRIP	POLES	LOADPHASE (KVA) A	B	C	BREAKER POLES	TRIP	WIRE	GND.	COND	IDENTIFICATION	CKT NO	TYPE
	1							5.5									2	
	3	AHU3	4	8	1-1/4"	60	2			5.5	2	50	6	10	1"	CU3	4	NC
	5																6	
	7																8	
AF	9	BEDROOM # 5 RCPTS	12	12	1/2"	20	1	0.5	0.5		1	20	12	12	1/2"	BEDROOM # 5 LIGHTING	10	AF
AF	11	BEDROOM # 4 RCPTS	12	12	1/2"	20	1			0.5	0.5	1	20	12	12	1/2"	BEDROOM # 4 LIGHTING	12	AF
AF	13	BEDROOM # 3 RCPTS	12	12	1/2"	20	1	0.5	0.5		1	20	12	12	1/2"	BEDROOM # 3 LIGHTING	14	AF
AF	15	HALLWAY RCPTS # 1	12	12	1/2"	20	1			0.5	0.5	1	20	12	12	1/2"	HALLWAY LIGHTING	16	AF
AF	17	HALLWAY RCPTS # 2	12	12	1/2"	20	1	0.5	0.5		1	20	12	12	1/2"	TERRACE LIGHTING	18	AF
	19	EXTERIOR RCPTS	12	12	1/2"	20	1			0.5	1	20	12	12	1/2"	WASHER	20	AF
	21	BATHROOM RCPTS	12	12	1/2"	20	1	0.5			1	30	10	10	1/2"	DRYER	22	AF
AFGF	23	BICRONAVE	12	12	1/2"	20	1			1.5		1	20				24	AF
AFGF	25	UIC RBF	12	12	1/2"	20	1	0.9									26	AF
	27	SPACE														SPACE	28	
	29	SPACE														SPACE	30	
	31	SPACE														SPACE	32	
	33	SPACE														SPACE	34	
	35	SPACE														SPACE	36	
	37	SPACE														SPACE	38	
	39	SPACE														SPACE	40	
	41	SPACE														SPACE	42	
								8.1	1.5			8.5	1.0					
												9.5						

TOTAL CONNECTED LOAD PER PHASE 9.6
TOTAL CONNECTED LOAD PANEL A 19.1 KVA
TOTAL CONNECTED 79.6 AMP

AF - ARC FAULT PROTECTED CIRCUIT BREAKER
GF - GFCI GROUND FAULT PROTECTED C.B.
NC - NO CONCURRENT LOAD
MC- MC CABLE
R- ROMEX
RL- RELOCATE FROM EX. PANEL

PANEL: A
NEMA 1

CIRCUITS 54
MAIN BREAKER: N/A AMPS
MAIN LUGS: 200 AMPS
K.A.I.C.: 22 AMPS
MOUNTED FLUSH SURFACE X FEED THRU

1 PHASE
3 WIRE
X 240/120V

TYPE	CKT NO	IDENTIFICATION	WIRE	GND.	COND	CIRCUIT BREAKER TRIP	POLES	LOADPHASE (KVA) A	B	C	BREAKER POLES	TRIP	WIRE	GND.	COND	IDENTIFICATON	CKT NO	TYPE
	1	AHU2	4	8	1-1/4"	60	2	5.5	3.6		2	50	8	10	3/4"	CU2	2	
	3									5.5	3.6						4	
	5	CU1	8	10	3/4"	50	2	3.6								SPACE	6	
AF	7	GENERAL RCPTS # 3	12	12	1/2"	20	1	0.5	0.5		1	20	12	12	1/2"	HALL LIGHTING	8	AF
AF	9	ALCOVE RCPTS	12	12	1/2"	20	1			0.5	0.5	1	20	12	12	1/2"	BEDROOM # 2 LIGHTING	10	AF
	11	BATHROOMS RCPTS	12	12	1/2"	20	1	0.5	0.5		1	20	12	12	1/2"	LAUNDRY LIGHTING	12	AF
AF	13	BEDROOM # 2 RCPTS	12	12	1/2"	20	1			0.5	0.5	1	20	12	12	1/2"	BEDROOM # 1 LIGHTING	14	AF
AF	17	LAUNDRY RCPTS	12	12	1/2"	20	1	1.5	0.5		1	20	12	12	1/2"	EXTERIOR LIGHTING	16	TS
AF	19	BEDROOM # 1 RCPTS # 1	12	12	1/2"	20	1			0.5	0.5	1	20	12	12	1/2"	GARAGE LIGHTING	20	AF
AF	21	BEDROOM # 1 RCPTS # 2	12	12	1/2"	20	1	0.5	0.5		1	20	12	12	1/2"	TERRACE LIGHTING	22	AF
	23	BATHROOM # 1 RCPTS	12	12	1/2"	20	1			0.5	0.2	1	20	12	12	1/2"	TIMER	24	
	25	GARAGE RCPTS	12	12	1/2"	20	1	0.5	0.5		1	20	12	12	1/2"	PANEL FIRE ALARM	26	
	27	EXTERIOR RCPTS	12	12	1/2"	20	1			0.5	1.0	1	20	12	12	1/2"	UC REF	28	AF
GF	29	GARAGE DOOR	12	12	1/2"	20	1	0.8	1.5		1	20	12	12	1/2"	JACUZZI TUB	30	GF
AF	31	REFRIGERATOR	12	12	1/2"	20	1			1.5	1.5	1	20	12	12	1/2"	TOILET FEATURE	32	GF
	33	DRYER	10	10	1/2"	30	2	2.5	1.5		1	20	12	12	1/2"	WASHER	34	AFGF
	35									2.5	0.3	1	20	12	12	1/2"	GAS WATER HEATER	36	
	37	GAS WATER HEATER	12	12	1/2"	20	1	0.3	1.0		1	20	12	12	1/2"	GATEMOTOR	38	
	39	GATEMOTOR	12	12	1/2"	20	1			1.0	1.0	1	20	12	12	1/2"	GATEMOTOR	40	
	41	GATEMOTOR	12	12	1/2"	20	1	1.0	0.3		1	20	12	12	1/2"	SEPTIC TANK PUMP	42	
GF	43	SEPTIC TANK	12	12	1/2"	20	1			1.0						SPACE	44	
	45	SPARE				20	1									SPACE	46	
	47	SPARE				20	1									SPACE	48	
	49	SPARE				20	1									SPACE	50	
	51	SPACE														SPACE	52	
	53	SPACE														SPACE	54	
								17.2	10.4			17.6	9.1					
										27.6		26.7						

TOTAL CONNECTED LOAD PER PHASE 54.3
TOTAL CONNECTED LOAD PANEL A 226.3 KVA
TOTAL CONNECTED 159.9 AMP
TOTAL DEMAND AMP

AF - ARC FAULT PROTECTED CIRCUIT BREAKER
GF - GFCI GROUND FAULT PROTECTED C.B.
NC - NO CONCURRENT LOAD
MC- MC CABLE
R- ROMEX
RL- RELOCATE FROM EX. PANEL

PANEL: MDP
NEMA 3R

CIRCUITS 42
MAIN BREAKER: N/A AMPS
MAIN LUGS: 600 AMPS
K.A.I.C.: 42 AMPS
MOUNTED FLUSH SURFACE X FEED THRU

1 PHASE
3 WIRE
X 240/120V

TYPE	CKT NO	IDENTIFICATION	WIRE	GND.	COND	CIRCUIT BREAKER TRIP	POLES	LOADPHASE (KVA) A	B	C	BREAKER POLES	TRIP	WIRE	GND.	COND	IDENTIFICATION	CKT NO	TYPE
	1	PANEL A	3/0	6	2"	200	2	27.8								SPACE	2	
	3								20.7							SPACE	4	
	5	PANEL B	3/0	6	2"	200	2	20.8								SPACE	6	
	7									21.2						SPACE	8	
	9	PANEL C	3/0	6	2"	200	2	9.6								SPACE	10	
	11								9.5							SPACE	12	
(*1)	13	TWH 10	8	10	3/4"	30	2	3.6								SPACE	14	
	15								3.6							SPACE	16	
(*1)	17	TWH 15	8	10	3/4"	30	2	3.6								SPACE	18	
	19									3.6						SPACE	20	
	21	PANEL F	1/0	8	1"	100	2		10.0							SPACE	22	
	23									9.2						SPACE	24	
	25										2	30	10	10	1/0"	TVSS	26	
	27	TIMER								0.5							28	
	29										2	40	8	10	3/4"	CAR CHARGER	30	
	31	CAR CHARGER	8	10	3/4"	40	2	4.3	4.3								32	
TS	33	LANDSCAPE	12	12	1/2"	20	1	0.5	0.5		1	20	12	12	1/2"	LANDSCAPE	34	TS
TS	35	LANDSCAPE	12	12	1/2"	20	1			0.5	0.5	1	20	12	12	1/2"	LANDSCAPE	36	TS
TS	37	LANDSCAPE	12	12	1/2"	20	1	0.5	0.5		1	20	12	12	1/2"	LANDSCAPE	38	TS
TS	39	LANDSCAPE	12	12	1/2"	20	1			0.5	0.5	1	20	12	12	1/2"	LANDSCAPE	40	TS
TS	41	LANDSCAPE	12	12	1/2"	20	1	0.5	0.5								42	
								81.0	5.8			78.6	5.3					
										86.8		84.9						

TOTAL CONNECTED LOAD PER PHASE 86.8
TOTAL CONNECTED LOAD PANEL A 171.7 KVA
TOTAL CONNECTED 715.4 AMP
TOTAL DEMAND 415.1 AMP

AF - ARC FAULT PROTECTED CIRCUIT BREAKER
GF - GFCI GROUND FAULT PROTECTED C.B.
NC - NO CONCURRENT LOAD
TS - VIA TIME SWITCH

(*1) PROVIDE SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED SERVING TWH.

PANEL: B
NEMA 1

CIRCUITS 54
MAIN BREAKER: N/A AMPS
MAIN LUGS: 200 AMPS
K.A.I.C.: 22 AMPS
MOUNTED FLUSH SURFACE X FEED THRU

1 PHASE
3 WIRE
X 240/120V

TYPE	CKT NO	IDENTIFICATION	WIRE	GND.	COND	CIRCUIT BREAKER TRIP	POLES	LOADPHASE (KVA) A	B	C	BREAKER POLES	TRIP	WIRE	GND.	COND	IDENTIFICATION	CKT NO	TYPE
	1	AHU1	4	8	1-1/4"	60	2	5.5								SPACE	2	
	3									5.5							4	
	5	SPACE														SPACE	6	
	7																8	
AF	9	GUEST ENTRY RCPTS	12	12	1/2"	20	1	0.5	0.5		1	20	12	12	1/2"	FAMILY ROOM LIGHTING	10	AF
AF	11	MEDIA ROOM RCPTS # 1	12	12	1/2"	20	1			0.5	0.5	1	20	12	12	1/2"	BAR LIGHTING	12	AF
AF	13	MEDIA ROOM RCPTS # 2	12	12	1/2"	20	1	0.5	0.5		1	20	12	12	1/2"	KITCHEN LIGHTING	14	AF
AF	15	BAR RCPTS	12	12	1/2"	20	1			0.5	0.5	1	20	12	12	1/2"	GUEST ENTRY LIGHTING	16	AF
AF	17	MINI ROOM RCPTS S.A.	12	12	1/2"	20	1	1.5	0.5		1	20	12	12	1/2"	EXTERIOR LIGHTING	18	TS
AF	19	GENERAL RCPTS # 1	12	12	1/2"	20	1			0.5	0.5	1	20	12	12	1/2"	TIMER	20	
AF	21	GENERAL RCPTS # 2	12	12	1/2"	20	1	0.5	1.5		1	20	12	12	1/2"	UIC RBF	22	AF
AF	23	FAMILY ROOM RCPTS	12	12	1/2"	20	1			0.5	1.2	1	20	12	12	1/2"	DISHWASHER	24	AFGF
AF	25	PANTRY RCPTS	12	12	1/2"	20	1	0.5	0.9		1	20	12	12	1/2"	DISPOSAL	26	AFGF
AF	27	PANTRY RCPTS	12	12	1/2"	20	1			0.5	0.9	1	20	12	12	1/2"	DISPOSAL	28	AFGF
AF	29	KITCHEN SMALL APPLIANCE	12	12	1/2"	20	1	1.5	1.5		1	20	12	12	1/2"	MICROWAVE	30	AFGF
AF	31	KITCHEN SMALL APPLIANCE	12	12	1/2"	20	1			1.5	1.2	1	20	12	12	1/2"	DISHWASHER	32	AFGF
AF	33	BREAKFAST RCPTS S.A.	12	12	1/2"	20	1	1.5	0.4		1	20	12	12	1/2"	GAS RANGEHOEVEN	34	AFGF
	35	EXTERIOR RCPTS	12	12	1/2"	20	1			2.5	0.4	1	20	12	12	1/2"	HOOD RANGE	36	AFGF
AFGF	37	UIC RBF	12	12	1/2"	20	1	1.5	1.5		1	20	12	12	1/2"	REFRIGERATOR	38	AF
AFGF	39	UC ICE MAKER	12	12	1/2"	20	1			1.5	2.5	1	20	12	12	1/2"	WINE CELLAR	40	AF
	41	SPARE	12	12	1/2"	20	1									SPACE	42	
	43	SPARE				20	1									SPACE	44	
	45	SPARE				20	1									SPACE	46	
	47	SPARE				20	1									SPACE	48	
	49	SPARE				20	1									SPACE	50	
	51	SPACE														SPACE	52	
	53	SPACE														SPACE	54	
								13.5	7.3			13.5	7.2					
								20.8		21.2								
												42.0						

TOTAL CONNECTED LOAD PER PHASE 20.8
TOTAL CONNECTED LOAD PANEL A 42.0 KVA
TOTAL CONNECTED 175.0 AMP
TOTAL DEMAND AMP

AF - ARC FAULT PROTECTED CIRCUIT BREAKER
GF - GFCI GROUND FAULT PROTECTED C.B.
NC - NO CONCURRENT LOAD
MC- MC CABLE
R- ROMEX
RL- RELOCATE FROM EX. PANEL

PANEL: P
NEMA 1

CIRCUITS 30
MAIN BREAKER: N/A AMPS
MAIN LUGS: 100 AMPS
K.A.I.C.: 10 AMPS
MOUNTED FLUSH SURFACE X

1 PHASE
3 WIRE
X 240/120V

TYPE	CKT NO	IDENTIFICATION	WIRE	GND.	COND	CIRCUIT BREAKER TRIP	POLES	LOADPHASE (KVA) A	B	C	BREAKER POLES	TRIP	WIRE	GND.	COND	IDENTIFICATION	CKT NO	TYPE
GF	1	POOL PUMP	12	12	1/2"	20	2	1.0	5.0		2	60	6	10	1"	POOL HEATER	2	
GF	3									1.0	5.0						4	
GF	5	POOL LTS BY OTHERS	12	12	1/2"	20	1	0.7	0.5		1	20	12	12	1/2"	LANAI RCPTS	6	
	7	GENERATOR HEATER	12	12	1/2"	20	1			1.0	0.5	1	20	12	12	1/2"	BBQ RCPTS	8	
	9	GENERATOR BATTERY	12	12	1/2"	20	1	1.0	0.3		1	20	12	12	1/2"	GAS BBQ	10	GF
	11	MAHU/MCU	12	12	1/2"	20	1			1.7	0.4	1	20	12	12	1/2"	HOOD BBQ	12	GF
	13							1.7	0.5			1	20	12	12	1/2"	BATHROOM RCPTS	14	
AF	15	LANAI LIGHTING	12	12	1/2"	20	1			0.5	1.0	1	20	12	12	1/2"	CEILING FANS	16	
	17	GENERAL RCPTS	12	12	1/2"	20	1	0.5	0.3		1	20	12	12	1/2"	BURNER	18	GF
	19	SPACE														SPACE	20	
	21	SPACE														SPACE	22	
	23	SPACE														SPACE	24	
	25	SPACE														SPACE	26	
	27	SPACE														SPACE	28	
	29	SPACE														SPACE	30	
								4.9	6.3			4.2	6.4					
										11.2		10.6						

TOTAL CONNECTED LOAD PER PHASE 11.2
TOTAL CONNECTED LOAD 21.8 KVA
TOTAL CONNECTED AMP 90.8 AMP

GF-PROVIDE GFCI CB

DEMAND LOAD PANEL A

SF 120/240V 1 PHASE	1980 SQFT	QTY.	UNIT	VA	CONNECTED VA	TOTAL DEMAND KVA
GEN. LTG./RECEPT. (NEC 220.12 220.14(J))	1980 SQFT	3			6.9	
SMALL APPLIANCES (NEC 220.52(A))	0 CKT(S)	1500			0.0	
LANDSCAPE LTS	0 EA	1000			0.0	
LAUNDRY RCPTS	3 EA	1500			4.5	
TOTAL					10.4	
BATHROOM RECEPTACLES					—	
DEMAND LIGHTING 220.42 (FIRST 3KVA AT 100% REMAINING AT 35%)						5.6 KVA
EQUIPMENT LOAD SUMMARY DEMAND SECTION 220.53						
GARAGE DOOR	1 EA	800			0.8	
REFRIGERATOR	2 EA	1500			3.0	
GAS WATER HEATER	2 EA	300			0.6	
TUB	1 EA	1500			1.5	
TOILET FEATURE	1 EA	1500			1.5	
WASHER	1 EA	1500			1.5	
GATE MOTOR	4 EA	1000			4.0	
DEMAND LOAD 75% 220.53						9.7 KVA
EQUIPMENT LOAD SUMMARY DEMAND SECTION 220.55						
COOKING APLIANCES TABLE						
COOK TOP	0 EA	6000			0.0	
MICROWAVE	0 EA	1500			0.0	
PIZZA OVEN	0 EA	3000			0.0	
DEMAND LOAD 55% 220.55						0.0 KVA
EQUIPMENT AT 100% NON DEMAND FACTOR						
CLOTHES DRYER	1 EA	5000			5.0	
** HEATING LOAD (240V, 1-PHASE)					11.0	
*** COOLING LOAD (240V, 1-PHASE)	66.4 AMPS				15.9	
TOTAL CONNECTED LOAD						20.9 KVA
TOTAL DEMAND LOAD						36.2 KVA

36.2 KVA @240V, 1Ø = 150.9 AMPS

** NON-CONCURRENT LOAD

HOUSE DEMAND LOAD CALCULATION SERVICE GENERATOR

SF 120/240V 1 PHASE	6520 SQFT	QTY.	UNIT	VA	TOTAL CONNECTED KVA	TOTAL DEMAND KVA
GEN. LTG./RECEPT. (NEC 220.12 220.14(J))	6520 SQFT	3			19.6	
BATHROOM RECEPTACLES					—	
SMALL APPLIANCES (NEC 220.52(A))	5 CKT(S)	1500			7.5	
GARAGE DOOR	1 EA	800			0.8	
REFRIGERATOR	3 EA	1500			4.5	
GATE MOTOR	4 EA	1000			4.0	
GAS WATER HEATER	2 EA	300			0.6	
JACUZZI TUB	1 EA	1500			1.5	
TOILET FEATURE	1 EA	1500			1.5	
UIC RBF	3 EA	1500			4.5	
UIC ICE MAKER	1 EA	1500			1.5	
DISHWASHER	2 EA	1200			2.4	
DISPOSAL	2 EA	900			1.8	
HOOD RANGE	1 EA	400			0.4	
WINE CELLAR	1 EA	2500			2.5	
WASHER	1 EA	1500			1.5	
HOOD BBQ	1 EA	400			0.4	
TWH 15	1 EA	14400			14.4	
CAR CHARGER	2 EA	8300			16.6	
GAS COOK TOP	1 EA	400			0.4	
MICROWAVE	2 EA	1500			3	
BURNER	1 EA	300			0.3	
GAS BBQ	1 EA	300			0.3	
CLOTHES DRYER	2 EA	5000			10	
TOTAL CONNECTED GENERAL LOADS (PER NEC 220.82)(B)						91.5 KVA
FIRST 10KVA @ 100%						10.0 KVA
REMAINDER @ 40%						32.6 KVA
TOTAL DEMAND GENERAL LOADS (PER NEC 220.82)(B)						42.6 KVA
** HEATING LOAD (240V, 1-PHASE)						29.0 KVA
*** COOLING LOAD (240V, 1-PHASE)	113.2 AMPS	LS				27.2 KVA
TOTAL HVAC LOAD (PER NEC 220.82)(C)						29.0 KVA
HEATING LOAD (240V, 1-PHASE) 65%	33.0 KVA					
TOTAL CONNECTED LOAD	91.5	+	29.0	=		120.5 KVA
TOTAL DEMAND LOAD (NEC 220.82)	42.6	+	33.0	=		75.6 KVA

75.6 KVA @240V, 1Ø = 314.9 AMPS

** NON-CONCURRENT LOAD

HOUSE DEMAND LOAD CALCULATION SERVICE

SF 120/240V 1 PHASE	6520 SQFT	QTY.	UNIT	VA	TOTAL CONNECTED KVA	TOTAL DEMAND KVA
GEN. LTG./RECEPT. (NEC 220.12 220.14(J))	6520 SQFT	3			19.6	
SMALL APPLIANCES (NEC 220.52(A))	4 CKT(S)	1500			6.0	
LANDSCAPE LTS	9 EA	500			4.5	
LAUNDRY RCPTS	3 EA	1500			4.5	
TOTAL					34.6	
BATHROOM RECEPTACLES					—	
DEMAND LIGHTING 220.42 (FIRST 3KVA AT 100% REMAINING AT 35%)						14.0 KVA
EQUIPMENT LOAD SUMMARY DEMAND SECTION 220.53						
GARAGE DOOR	1 EA	800			0.8	
REFRIGERATOR	3 EA	1500			4.5	
GATE MOTOR	4 EA	1000			4.0	
GAS WATER HEATER	2 EA	300			0.6	
JACUZZI TUB	1 EA	1500			1.5	
TOILET FEATURE	1 EA	1500			1.5	
UIC RBF	3 EA	1500			4.5	
UIC ICE MAKER	1 EA	1500			1.5	
DISHWASHER	2 EA	1200			2.4	
DISPOSAL	2 EA	900			1.8	
HOOD RANGE	1 EA	400			0.4	
WINE CELLAR	1 EA	2500			2.5	
WASHER	2 EA	1500			3	
HOOD BBQ	1 EA	400			0.4	
TWH 15	1 EA	14400			14.4	
CAR CHARGER	2 EA	8300			16.6	
GAS COOK TOP	1 EA	400			0.4	
MICROWAVE	2 EA	1500			3	
BURNER	1 EA	300			0.3	
GAS BBQ	1 EA	300			0.3	
CLOTHES DRYER	2 EA	5000			10	
TOTAL CONNECTED GENERAL LOADS (PER NEC 220.82)(B)						91.5 KVA
FIRST 10KVA @ 100%						10.0 KVA
REMAINDER @ 40%						32.6 KVA
TOTAL DEMAND GENERAL LOADS (PER NEC 220.82)(B)						42.6 KVA
** HEATING LOAD (240V, 1-PHASE)						29.0 KVA
*** COOLING LOAD (240V, 1-PHASE)	113.2 AMPS	LS				27.2 KVA
TOTAL HVAC LOAD (PER NEC 220.82)(C)						29.0 KVA
HEATING LOAD (240V, 1-PHASE) 65%	33.0 KVA					
TOTAL CONNECTED LOAD	91.5	+	29.0	=		120.5 KVA
TOTAL DEMAND LOAD (NEC 220.82)	42.6	+	33.0	=		75.6 KVA

75.6 KVA @240V, 1Ø = 314.9 AMPS

** NON-CONCURRENT LOAD

KOHLER.

Model: KG80R

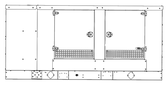
208- 480 V Gas

ISO 9001 KOHLER

EPA-Certified for Stationary Emergency Applications

Ratings Range

		60 Hz
Standby:	kW	63- 80
	kVA	63- 100



Standard Features

- Kohler Co. provides one-source responsibility for the generating system and accessories.
- The generator set and its components are prototype-tested, factory-built, and production-tested.
- The 60 Hz generator set offers a UL 2200 listing.
- CSA approval is available.
- The 60 Hz generator set meets NFPA 110, Level 1, when equipped with the necessary accessories and installed per NFPA standards.
- The generator set accepts rated load in one step.
- A one-year limited warranty covers all generator set systems and components. Two- and five-year extended limited warranties are also available.
- Alternator features:
  - The unique Fast-Response® X excitation system delivers excellent voltage response and short-circuit capability using a rare-earth, permanent magnet (PM)-excited alternator.
  - The brushless, rotating-field alternator has broadrange reconnectability.
- Other features:
  - Kohler® APM402 controller. See controller features on page 3.
  - The electronic, isochronous governor incorporates an integrated driver- by- wire throttle body actuator delivering precise frequency regulation.
- Quick- ship (QS) models with selected features and a five- year basic limited warranty are available. See your Kohler distributor for details.

Generator Set Ratings

Alternator	Voltage	Ph	Hz	Natural Gas 130° C Rise Standby Rating kW/kVA	Natural Gas 130° C Rise Standby Rating Amps	LP Gas 130° C Rise Standby Rating kW/kVA	LP Gas 130° C Rise Standby Rating Amps
4P10X	120/208	3	60	77/96	267	77/96	267
	127/220	3	60	80/100	263	80/100	263
	120/240	3	60	77/96	231	77/96	231
	120/240	1	60	63/63	263	63/63	263
	139/240*	3	60	80/100	241	80/100	241
	220/380*	3	60	70/88	134	70/88	134
	277/480	3	60	80/100	121	80/100	121
4R8X	120/208	3	60	80/100	278	80/100	278
	127/220	3	60	80/100	263	80/100	263
	120/240	3	60	80/100	241	80/100	241
	120/240	1	60	77/77	321	77/77	321
	139/240*	3	60	80/100	241	80/100	241
	220/380*	3	60	80/100	152	80/100	152
	277/480	3	60	80/100	121	80/100	121
4T9X	120/240	1	60	80/80	334	80/80	334

* Voltage configuration not available from the factory. Field- adjustable by an authorized service technician.

RATINGS: All three-phase units are rated at 0.8 power factor. All single-phase units are rated at 1.0 power factor. Standby Ratings: The standby rating is applicable to varying loads for the duration of a power failure. No overload capability is available for these ratings. Ratings are in accordance with ISO 8528-5. Site conditions and ambient temperature must be specified to adjust ratings for altitude, temperature, and site condition derates. The generator set manufacturer reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever. For dual fuel engines, use the natural gas ratings for both the primary and secondary fuels.

G4-265 (KG80R) 9/21g

KOHLER.

Model: KEP

Automatic Transfer Switches
Service Entrance Rated

ISO 9001 KOHLER

Controller

- Decision-Maker® MPAC 1500

Ratings

Power Switching Device	Current	Voltage, Frequency
Molded case (MCCB)	200	208–240 VAC 60 Hz
	100–1200	208–480 VAC 60 Hz
Insulated Case (ICCB)	800–4000	208–480 VAC, 60 Hz

Transfer Switch Standard Features

Enclosed Contact Power Switching Units

- Service entrance automatic transfer switches incorporate an isolating