

SENTRY-PRO

WITH LPG-NATURAL GAS FUEL

AUTO. START-STOP, DRY FUEL HOUSED STANDBY SETS SPECIFICATIONS.
NOTE: 1 PH. AND 3 PH. POWER SPECIFICATIONS, INDICATE TWO DIFFERENT GENERATOR SETS, ADD "-3" TO ALL MODELS FOR 3 PHASE GEN-SETS.

60 HERTZ

**1 PHASE, 120/240 VOLTS OR
3 PH., 208, 220, 240, 480 VOLTS**

GENERATOR MODEL		SP-180		SP-220		SP-300		SP-420		SP-520		SP-620		SP-850		SP-1000		SP-1250	
TYPE OF FUEL USED		LPG	N G	LPG	N G	LPG	N G	LPG	N G	LPG	NG	LPG	N G	LPG	N G	LPG	N G	LPG	N G
1 PH.	MAXIMUM KW @ SINGLE PHASE	18.0	18.0	22.0	22.0	30.0	27.0	42.0	40.0	52.0	50.0	62.0	59.0	85.0	80.0	95.0	85.0	115.0	125.0
	STANDBY KW @ SINGLE PHASE	18.0	18.0	22.0	22.0	27.0	25.0	40.0	38.0	50.0	46.0	58.0	56.0	78.0	75.0	84.0	80.0	105.0	115.0
	STANDBY AMPS @ 120 VOLT, 1Ø	150	150	184	184	226	208	334	316	416	384	484	466	650	626	700	666	876	953
	STANDBY AMPS @ 240 VOLT, 1Ø	75	75	92	92	113	104	167	158	208	192	242	233	325	313	350	333	438	479
3 PHASE	MAXIMUM KVA @ 3 PHASE .8 P.F.	22.5	22.5	27.5	27.5	37.5	33.8	52.5	50.0	65	60	77.5	73.8	106.0	103.8	125.0	118.8	143.8	156.0
	STANDBY KVA @ 3 PHASE .8 P.F.	22.5	22.5	27.5	27.5	33.8	31.0	50.0	47.5	62.5	53.8	72.5	70.0	100.0	97.5	120.0	115.0	131.0	143.8
	STANDBY KW @ 3 PHASE .8 P.F.	18.0	18.0	22.0	22.0	27.0	25.0	40.0	38.0	50	43	58.0	56.0	80.0	78.0	96.0	92.0	105.0	115.0
	STANDBY AMPS @ 208 VOLT, 3Ø	63	63	76	76	94	87	139	132	174	149	201	195	280	271	333	320	365	400
	STANDBY AMPS @ 240 VOLT, 3Ø	54	54	66	66	81	75	120	114	151	129	175	168	241	235	289	277	316	346
	STANDBY AMPS @ 480 VOLT, 3Ø	27	27	33	33	41	38	60	57	75	65	87	84	120	117	145	139	158	173
	STANDBY AMPS @ 220 VOLT, 3Ø	59	59	72	72	89	82	131	125	164	141	191	184	263	256	315	302	345	378
GENERAL MOTORS, VORTEC ENG.	3.0 L	3.0 L	3.0 L	3.0 L	3.0 L	3.0 L	4.3 L	4.3 L	5.7L	5.7L	5.7 L	5.7 L	8.1 L	8.1 L	8.1 L	8.1 L	8.1 L	8.1 L T	8.1 L T
ENGINE INDUCTION SYSTEM	NATURALLY ASPIRATED												NAT. ASPIRATED MODIFIED CAM				TURBOCHARGED		
ENGINE HORSE POWER MAX RATING	45 HP	42 HP	45 HP	42 HP	45 HP	42 HP	68 HP	64 HP	105 HP	95 HP	105 HP	95 HP	162 HP	146 HP	162 HP	146 HP	190 HP	210 HP	
ENGINE CUBIC IN. DISPL. (LITERS)	181 (3)	181 (3)	181 (3)	181 (3)	181 (3)	181 (3)	262 (4)	262 (4)	350 (5.7)	350 (5.7)	350 (5.7)	350 (5.7)	494 (8)	494 (8)	494 (8)	494 (8)	494 (8)	494 (8)	
ENGINE CYLINDERS	4	4	4	4	4	4	6	6	8	8	8	8	8	8	8	8	8	8	
ENGINE LUBRICATION	ALL MODELS: FULL PRESSURE OIL LUBRICATION WITH ADDITIONAL SPIN-ON REPLACEMENT OIL FILTER																		
FUEL USE @ 100% LOAD (FT ³ /HR)	106	279	203	539	203	539	237	554	286	685	357	858	519	1236	544	1236	653	1847	
FUEL USE @ 75% LOAD (FT ³ /HR)	88	230	164	442	164	442	194	466	219	590	275	777	424	1010	427	946	526	1536	
ENGINE ALTERNATOR OUTPUT	ALL MODELS : 70 AMPS FOR CHARGING WITH MAXIMUM AMPERAGE OUTPUT @ 12 VOLTS DC																		
dB(A) @ 7 M, OPEN NO/FULL LOAD	74/77		75/77		76/78		78/80		79/81		80/82		84/86		86/88		90/92		
dB(A) @ 7 M, STD. ENCL. NO/FULL LOAD	71/73		71/73		73/74		73/75		74/76		78/80		80/83		82/85		86/88		
dB(A) @ 7 M, S.S. ENCL. NO/FULL LOAD	66/68		66/68		67/68		68/69		69/71		70/73		73/76		76/78		80/82		
GENERATOR REGULATION	ALL MODELS : PLUS-MINUS ½% VOLTAGE REGULATION USING SOLID STATE EXTERNAL VOLTAGE REGULATOR																		
FREQUENCY (SPEED) REGULATION	ALL MODELS : PLUS-MINUS ½% FREQUENCY REGULATION WITH ELECTRONIC GOVERNOR SYSTEM																		
ENGINE COOLING	ALL MODELS : LIQUID COOLED WITH PUSHER FAN AND 125°F RADIATOR																		
"SENTINEL-SCOUT" ENGINE AUTO START-STOP AND PROTECTION MODULE.	THIS FLEXIBLE DIGITAL CONTROLLER ALLOWS PROGRAMMING TO BASIC ENGINE FUNCTIONS, IN THE FIELD. CONTROLLER HAS "STOP-MANUAL-AUTO" MODE AND EIGHT (8) BASIC ENGINE PROTECTORS AND FUNCTIONS, MONITORED BY LED INDICATORS : LOW OIL, HIGH TEMPERATURE, OVERSPEED, UNDERSPEED, FAIL TO START, BATTERY CHARGE FAIL AND (2) AUXILIARY LED OUTPUTS. THE CONTROLLER ALSO INCLUDES AN ENGINE HOUR METER WITH LCD DISPLAY.																		
"KLEEN-POWER"®	ALL MODELS : SAFE, CLEAN POWER WITH ONLY 3.5% THD DISTORTION ON GENERATED SINE WAVE																		
CODE G, MOTOR STARTING @ 35% VAC DIP *	7.5 HP	7.5 HP	10 HP	10 HP	15 HP	15 HP	20 HP	20 HP	25 HP	25 HP	30 HP	30 HP	35 HP	35 HP	40 HP	40 HP	50 HP	50 HP	
RECOMMENDED BATTERY @ 0°F *	12 VDC, 660 CCA, 55 AMP/HR									12 VDC, 750 CCA, 70 AMP/HR									
WEATHER/SOUND ENCLOSURE	ALL STEEL HOUSING WITH RICH ZINC PRIMER PLUS "SUPER-DURABLE" POWDER COAT FINISH AND FULL FOAM SOUND INSULATION																		
APPRX. LG X WI X HI W/ SUPER-SILENT	96" X 36" X 47"						110" X 42" X 53"						128" X 48" X 68"				138" X 48" X 68"		
APPRX. LG X WI X HI W/ STD. ENCL.	82" X 36" X 47"						94" X 42" X 53"						108" X 48" X 68"				118" X 48" X 68"		
APPRX. LG X WI X HI NO ENCLOSURE	68" X 36" X 34"						78" X 42" X 38"						88" X 48" X 40"				98" X 48" X 46"		
SUPER-SILENT (NET WT.) SHIP WT LBS	(1300)	1400	(1495)	1595	(1530)	1630	(2077)	2227	(2446)	2596	(2496)	2646	(2925)	3150	(3025)	3250	(3335)	3560	
STD. ENCL. (NET WT.) SHIP WT LBS	(1135)	1235	(1310)	1410	(1345)	1445	(1887)	2037	(2256)	2408	(2306)	2456	(2675)	2900	(2775)	3000	(3085)	3310	
OPEN SET (NET WT.) SHIP WT. LBS	(975)	1075	(1010)	1110	(1120)	1220	(1487)	1637	(1931)	2081	(1981)	2131	(2250)	2475	(2350)	2575	(2660)	2885	

NOTES : STARTING BATTERY IS NOT FURNISHED WITH THESE SENTRY-PRO GENERATORS AT MIN. OF 0°F (17.8°C) AMBIENT TEMPERATURE. FUEL RATINGS BASED ON 1000 BTU/FT³ FOR NATURAL GAS, 2500 BTU/FT³ FOR LPG, AT STANDBY RATING. ELECTRIC MOTOR STARTING POWER IS BASED ON THE RATIO OF APPROXIMATELY 1/2 MOTOR HP PER 1 KW OF GENERATOR MAXIMUM POWER OUTPUT.