

SENTRY-PRO

WITH DIESEL FUEL

AUTO. START-STOP, DIESEL 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	SPLD-150	SPJD-250	SPJD-350	SPJD-450	SPJD-550	SPJD-650	SPJD-850	SPJD-1050	SPJD-1300	SPJD-1650	
1 PH.	MAXIMUM KW @ SINGLE PHASE	15.0	25.0	35.0	45.0	55.0	64.0	85.0	105.0	125.0	165.0
	STANDBY KW @ SINGLE PHASE	14.0	22.0	32.0	42.0	52.0	60.0	78.0	100.0	120.0	160.0
	STANDBY AMPS @ 120 VOLT, 1Ø	116	184	266	350	434	500	650	834	1000	1334
	STANDBY AMPS @ 240 VOLT, 1Ø	58	92	133	175	217	250	325	417	500	667
3 PHASE	MAXIMUM KVA @ 3 PHASE .8 P.F.	18.8	28.8	43.8	56.0	68.8	81.0	106.0	131.0	162.5	206.0
	STANDBY KVA @ 3 PHASE .8 P.F.	17.5	27.5	40.0	53.0	65.0	77.5	100.0	125.0	156.0	206.0
	STANDBY KW @ 3 PHASE .8 P.F.	14.0	22.0	30.0	42.0	52.0	62.0	80.0	100.0	125.0	160.0
	STANDBY AMPS @ 208 VOLT, 3Ø	49	76	104	146	181	215	278	347	434	556
	STANDBY AMPS @ 240 VOLT, 3Ø	42	66	90	126	157	187	241	301	376	482
	STANDBY AMPS @ 480 VOLT, 3Ø	21	33	48	63	78	93	120	151	196	241
	STANDBY AMPS @ 220 VOLT, 3Ø	46	72	98	138	171	204	263	328	410	525
	ENGINE BRAND	LOMBARDINI	JOHN DEERE								
ENGINE MODEL NO.	LDW1603	4024TF	4024TF	5030TF	5030TF	5030H	4045H	4045H	4045H	6068H	
ENGINE HORSE POWER MAX RATING	25 HP	48 HP	48 HP	80 HP	80 HP	97 HP	126 HP	158 HP	198 HP	237 HP	
ENGINE CUBIC IN. DISPL. (LITERS)	100 (1.65)	149 (2.4)	149 (2.4)	186 (3.05)	186 (3.05)	186 (3.05)	276 (4.5)	276 (4.5)	415 (6.8)	415 (6.8)	
ENGINE CYLINDERS	4	4	4	5	5	5	4	4	6	6	
ENGINE INDUCTION SYSTEM	NATURALLY ASPIRATED	TURBO CHARGED INDUCTION SYSTEM ON ALL JOHN DEERE DIESEL ENGINES									
FUEL INJECTION SYSTEM & HEATERS	DIRECT WITH "GLO" PLUGS						DIRECT INJECTION WITH AIR INTAKE HEATERS				
ENGINE LUBRICATION	ALL MODELS: FULL PRESSURE OIL LUBRICATION WITH ADDITIONAL SPIN-ON REPLACEMENT OIL FILTER										
MUFFLER GRADE	OPEN & STANDARD HOUSINGS = RESIDENTIAL GRADE MUFFLER. SUPER-SILENT HOUSINGS = CRITICAL GRADE										
FUEL USE @ 100% LOAD GAL./HR (L/HR)	1.5 (5.6)	2.2 (8.3)	2.8 (10.5)	3.75 (14.2)	4.40 (16.8)	5.00 (18.9)	5.40 (20.8)	7.90 (29.9)	9.30 (35.2)	12.10 (45.8)	
FUEL USE @ 75% LOAD GAL./HR (L/HR)	1.00 (4.0)	1.70 (6.4)	2.10 (8.0)	2.80 (10.6)	3.30 (12.5)	3.60 (13.6)	4.18 (16.0)	6.00 (22.7)	7.20 (27.3)	9.40 (35.8)	
ENGINE ALTERNATOR OUTPUT	ALL DIESEL ENGINES : 55 AMPS FOR CHARGING MAX. AMPERAGE AT 12 VOLTS DC										
dB(A) @ 7 M, OPEN NO / FULL LOAD	76/79	76/77	77/78	79/81	81/83	84/86	86/88	89/91	91/93	94/96	
dB(A) @ 7 M, STD. ENCL. NO/FULL LOAD	72/75	72/74	73/75	75/78	77/80	81/84	84/86	86/88	87/89	90/92	
dB(A) @ 7 M, S.S. ENCL. NO/FULL LOAD	63/66	67/69	68/70	70/72	72/74	76/79	78/80	81/83	83/85	86/89	
GENERATOR REGULATION	ALL MODELS : PLUS-MINUS 1/2% VOLTAGE REGULATION USING SOLID STATE EXTERNAL VOLTAGE REGULATOR										
FREQUENCY (SPEED) REGULATION	±2½%	PLUS-MINUS ½% FREQUENCY REGULATION WITH ELECTRONIC "ISOCHRONOUS" GOVERNOR									
ENGINE COOLING	LIQUID COOLED WITH PUSHER FAN AND 125°F RADIATOR					LIQUID & AIR COOLED WITH PUSHER FAN AND 125°F RADIATOR/CAC					
"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"®	SAFE, CLEAN POWER WITH ONLY 3.5% THD, DISTORTION ON GENERATED SINE WAVE										
CODE G, MOTOR STARTING @ 35% VAC DIP *	7½ HP	12 HP	15 HP	20 HP	25 HP	30 HP	40 HP	50 HP	60 HP	70 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	67" X 34" X 36"	96" X 36" X 48"			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 48"			94" X 42" X 53"			108" X 48" X 68"		118" X 48" X 68"	
APPRX. LG X WI X HI NO ENCL. (OPEN)	50"X34"X30"	68"X36"X40"			78"X42"X49"			88" X 48" X 50"		98"X48"X53"	
SUPER-SILENT (NET WT.) SHIP WT LBS	(1250) 1350	(1555) 1655	(1685) 1785	(2147) 2247	(2247) 2350	(2450) 2595	(2900) 3050	(3100) 3250	(3300) 3450	(3875) 4075	
STD. ENCL. (NET WT.) SHIP WT LBS	(1100) 1200	(1455) 1555	(1555) 1655	(1957) 2057	(2057) 2160	(2370) 2505	(2800) 2950	(3000) 3150	(3200) 3150	(3700) 3900	
OPEN SET (NET WT.) SHIP WT LBS	(800) 900	(1055) 1155	(1155) 1255	(1657) 1757	(1757) 1860	(2055) 2190	(2450) 2600	(2650) 2800	(2850) 3000	(3250) 3450	

NOTES : STARTING BATTERY IS NOT FURNISHED WITH THESE SENTRY-PRO GENERATORS AT MIN. OF 0°F (17.8°C) AMBIENT TEMPERATURE. ELECTRIC MOTOR STARTING POWER IS BASED ON THE RATIO OF APPROXIMATELY 1/2 MOTOR HP PER 1 KW OF GENERATOR MAXIMUM POWER OUTPUT.

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