



**GEN SET PACKAGE PERFORMANCE DATA**  
**[23Z03633]**

**OCTOBER 03, 2024**

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Performance Number: TM4514

Change Level: 10

<b>Sales Model:</b> 3508 DITA	<b>Combustion:</b> DI	<b>Aspr:</b> TA
<b>Engine Power:</b> 800 W/F EKW 815 W/O F EKW 870.0 KW	<b>Speed:</b> 1,500 RPM	<b>After Cooler:</b> JWAC
<b>Manifold Type:</b> DRY	<b>Governor Type:</b> WDWRD	<b>After Cooler Temp(C):</b> 82
<b>Turbo Quantity:</b>	<b>Engine App:</b> GP	<b>Turbo Arrangement:</b>
<b>Hertz:</b> 50	<b>Application Type:</b> PACKAGE-DIE	<b>Engine Rating:</b> PGS
<b>Rating Type:</b> STANDBY	<b>Certification:</b>	<b>Strategy:</b>

**General Performance Data**

GEN W/F EKW	PERCENT LOAD	ENGINE POWER BKW	ENGINE BMEP KPA	FUEL BSFC G/BKW-HR	FUEL RATE LPH	INTAKE MFLD TEMP DEG C	INTAKE MFLD P KPA	INTAKE AIR FLOW M3/MIN	EXH MFLD TEMP DEG C	EXH STACK TEMP DEG C	EXH GAS FLOW M3/MIN
800.0	100	865.7	2,007	207.700	214.4	96.5	253.9	68.0	666.6	467.1	175.2
720.0	90	778.0	1,804	207.600	192.5	94.2	223.4	62.8	636.6	454.9	159.1
640.0	80	691.1	1,602	207.000	170.6	92.3	191.0	56.7	611.1	442.5	141.1
600.0	75	647.9	1,502	207.300	160.1	91.7	174.8	53.6	598.9	436.9	132.4
560.0	70	604.8	1,402	208.100	150.0	91.3	159.1	50.6	586.7	431.9	124.0
480.0	60	519.3	1,204	210.500	130.3	90.4	129.2	44.8	562.1	422.0	108.3
400.0	50	434.3	1,007	214.400	111.0	89.6	101.6	39.4	537.2	412.2	93.8
320.0	40	351.6	815	220.800	92.5	88.9	77.0	34.6	509.6	400.1	80.7
240.0	30	268.0	621	231.300	73.9	88.2	56.6	30.6	455.8	365.6	68.1
200.0	25	225.8	524	239.800	64.6	87.8	47.5	28.8	424.2	344.4	62.1
160.0	20	183.4	425	252.600	55.2	87.4	39.2	27.1	389.4	320.5	56.3
80.0	10	97.7	227	313.700	36.5	86.7	24.8	24.2	309.9	264.5	45.3

**Engine Heat Rejection Data**

GEN W/F EKW	PERCENT LOAD	REJ TO JW KW	REJ TO ATMOS KW	REJ TO EXHAUST KW	EXH RCOV TO 177C KW	FROM OIL CLR KW	FROM AFT CLR KW	WORK ENERGY KW	LHV ENERGY KW	HHV ENERGY KW
800.0	100	496.0	137.0	783.0	416.0	114.0	158.0	866.0	2,137.0	2,277.0
720.0	90	443.0	126.0	696.0	367.0	102.0	125.0	778.0	1,919.0	2,045.0
640.0	80	392.0	118.0	614.0	316.0	91.0	93.0	691.0	1,700.0	1,811.0
600.0	75	368.0	114.0	574.0	292.0	85.0	79.0	648.0	1,596.0	1,700.0
560.0	70	343.0	110.0	534.0	270.0	80.0	65.0	605.0	1,496.0	1,593.0
480.0	60	296.0	102.0	459.0	229.0	69.0	41.0	519.0	1,299.0	1,383.0
400.0	50	250.0	95.0	388.0	193.0	58.0	21.0	434.0	1,107.0	1,179.0
320.0	40	206.0	87.0	322.0	159.0	48.0	6.0	352.0	923.0	983.0
240.0	30	164.0	79.0	258.0	118.0	38.0	-6.0	268.0	737.0	785.0
200.0	25	142.0	75.0	227.0	98.0	34.0	-11.0	226.0	644.0	686.0
160.0	20	121.0	71.0	197.0	78.0	29.0	-14.0	183.0	551.0	586.0
80.0	10	80.0	63.0	139.0	42.0	19.0	-18.0	98.0	364.0	388.0

**EXHAUST Sound Data: 1.5 METERS**

GEN W/F EKW	PERCENT LOAD	OVERALL SOUND DB(A)	OBCF 63HZ DB	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCF 8000HZ DB
800.0	100	113	108	118	114	106	105	107	107	104
720.0	90	113	107	118	113	106	104	106	106	103
640.0	80	112	106	117	112	105	103	105	105	102
600.0	75	111	106	116	112	104	103	104	105	102
560.0	70	111	105	116	111	104	102	104	104	101
480.0	60	110	104	115	110	103	101	103	103	100
400.0	50	108	103	113	109	101	100	101	102	99
320.0	40	107	102	112	108	100	99	100	101	98
240.0	30	106	100	111	106	99	97	99	99	96
200.0	25	105	100	110	106	98	97	98	99	96
160.0	20	104	99	109	105	97	96	97	98	95
80.0	10	102	97	107	103	95	94	95	96	93

**EXHAUST Sound Data: 7.0 METERS**

GEN W/F EKW	PERCENT LOAD	OVERALL SOUND DB(A)	OBCF 63HZ DB	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCF 8000HZ DB
800.0	100	100	97	108	102	93	92	93	94	89
720.0	90	99	96	107	101	92	91	92	93	88
640.0	80	98	95	106	100	91	90	91	92	87
600.0	75	98	94	105	99	90	90	91	91	87
560.0	70	97	94	105	99	90	89	90	91	86
480.0	60	96	93	104	98	89	88	89	90	85
400.0	50	95	92	103	97	88	87	88	89	84
320.0	40	94	91	101	95	86	86	87	88	83
240.0	30	92	89	100	94	85	84	86	86	81
200.0	25	92	88	99	93	84	84	85	85	81
160.0	20	91	87	98	92	83	83	84	84	80
80.0	10	89	85	96	90	81	81	82	82	78

**EXHAUST Sound Data: 15.0 METERS**

GEN W/F EKW	PERCENT LOAD	OVERALL SOUND DB(A)	OBCF 63HZ DB	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCF 8000HZ DB
800.0	100	93	90	101	95	86	85	87	87	82
720.0	90	93	89	100	94	85	85	86	86	82
640.0	80	92	88	99	93	84	84	85	85	81
600.0	75	91	88	99	93	84	83	84	85	80
560.0	70	91	87	98	92	83	83	84	84	80
480.0	60	90	86	97	91	82	82	83	83	79
400.0	50	88	85	96	90	81	80	82	82	77
320.0	40	87	84	95	89	80	79	80	81	76
240.0	30	86	82	93	87	78	78	79	80	75
200.0	25	85	82	93	87	78	77	78	79	74
160.0	20	84	81	92	86	77	76	77	78	73
80.0	10	82	79	90	84	75	74	75	76	71

**MECHANICAL Sound Data: 1.0 METERS**

GEN W/F EKW	PERCENT LOAD	OVERALL SOUND DB(A)	OBCF 63HZ DB	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCF 8000HZ DB
800.0	100	102	115	106	99	94	96	96	94	98
720.0	90	102	115	106	99	94	96	96	94	98
640.0	80	102	115	106	99	94	96	96	94	98
600.0	75	102	115	106	99	94	96	96	94	98
560.0	70	102	115	106	99	94	96	96	94	98
480.0	60	102	115	106	99	94	96	96	94	98
400.0	50	102	115	106	99	94	96	96	94	98
320.0	40	102	115	106	99	94	96	96	94	98
240.0	30	102	115	106	99	94	96	96	94	98
200.0	25	102	115	106	99	94	96	96	94	98
160.0	20	102	115	106	99	94	96	96	94	98
80.0	10	102	115	106	99	94	96	96	94	98

**MECHANICAL Sound Data: 7.0 METERS**

GEN W/F EKW	PERCENT LOAD	OVERALL SOUND DB(A)	OBCF 63HZ DB	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCJ 8000HZ DB
800.0	100	90	103	94	87	82	84	84	82	86
720.0	90	90	103	94	87	82	84	84	82	86
640.0	80	90	103	94	87	82	84	84	82	86
600.0	75	90	103	94	87	82	84	84	82	86
560.0	70	90	103	94	87	82	84	84	82	86
480.0	60	90	103	94	87	82	84	84	82	86
400.0	50	90	103	94	87	82	84	84	82	86
320.0	40	90	103	94	87	82	84	84	82	86
240.0	30	90	103	94	87	82	84	84	82	86
200.0	25	90	103	94	87	82	84	84	82	86
160.0	20	90	103	94	87	82	84	84	82	86
80.0	10	90	103	94	87	82	84	84	82	86

**MECHANICAL Sound Data: 15.0 METERS**

GEN W/F EKW	PERCENT LOAD	OVERALL SOUND DB(A)	OBCF 63HZ DB	OBCF 125HZ DB	OBCF 250HZ DB	OBCF 500HZ DB	OBCF 1000HZ DB	OBCF 2000HZ DB	OBCF 4000HZ DB	OBCF 8000HZ DB
800.0	100	84	96	88	81	76	78	78	76	80
720.0	90	84	96	88	81	76	78	78	76	80
640.0	80	84	96	88	81	76	78	78	76	80
600.0	75	84	96	88	81	76	78	78	76	80
560.0	70	84	96	88	81	76	78	78	76	80
480.0	60	84	96	88	81	76	78	78	76	80
400.0	50	84	96	88	81	76	78	78	76	80
320.0	40	84	96	88	81	76	78	78	76	80
240.0	30	84	96	88	81	76	78	78	76	80
200.0	25	84	96	88	81	76	78	78	76	80
160.0	20	84	96	88	81	76	78	78	76	80
80.0	10	84	96	88	81	76	78	78	76	80

**EMISSIONS DATA**

**Certification:**

To properly apply this data you must refer to performance parameter DM1176 for additional information...

REFERENCE EXHAUST STACK DIAMETER	203 MM
WET EXHAUST MASS	4,960.0 KG/HR
WET EXHAUST FLOW (467.00 C STACK TEMP)	175.40 M3/MIN
WET EXHAUST FLOW RATE ( 0 DEG C AND 101.2 KPA)	64.69 M3/MIN
DRY EXHAUST FLOW RATE ( 0 DEG C AND 101.2 KPA)	59.54 M3/MIN
FUEL FLOW RATE	213 L/HR

**RATED SPEED "Potential site variation"**

GEN PWR EKW	PERCENT LOAD	ENGINE POWER BKW	TOTAL NOX (AS NO2) G/HR	TOTAL CO G/HR	TOTAL HC G/HR	PART MATTER G/HR	OXYGEN IN EXHAUST PERCENT	DRY SMOKE OPACITY PERCENT	BOSCH SMOKE NUMBER
800.0	100	865.7	13,944.00	764.00	195.00	107.90	9.9000	.9000	1.2800
600.0	75	647.9	11,267.00	775.00	190.00	87.30	10.6000	.9000	1.2800
400.0	50	434.3	8,173.00	663.00	126.00	78.20	11.2000	1.3000	1.2800
200.0	25	225.8	4,926.00	590.00	98.00	63.40	13.5000	1.3000	1.2800
80.0	10	97.7	2,780.00	578.00	113.00	49.00	16.0000	1.2000	1.2800

**RATED SPEED "Potential site variation"**

GEN PWR EKW	PERCENT LOAD	ENGINE POWER BKW	TOTAL NOX (AS NO2) mg/norm cu M @ %5 O2	TOTAL CO mg/norm cu M @ %5 O2	TOTAL HC mg/norm cu M @ %5 O2	OXYGEN IN EXHAUST PERCENT	DRY SMOKE OPACITY PERCENT	BOSCH SMOKE NUMBER
800.0	100	865.7	5,648.4	309.5	79.0	9.9000	.9000	1.2800
600.0	75	647.9	6,122.7	421.1	103.4	10.6000	.9000	1.2800
400.0	50	434.3	6,449.8	523.1	99.1	11.2000	1.3000	1.2800
200.0	25	225.8	6,863.6	822.6	137.0	13.5000	1.3000	1.2800
80.0	10	97.7	6,942	1,442.7	282.0	16.0000	1.2000	1.2800

**RATED SPEED "Potential site variation"**

GEN PWR EKW	PERCENT LOAD	ENGINE POWER BKW	TOTAL NOX (AS NO2) PPM @ %5 O2	TOTAL CO PPM @ %5 O2	TOTAL HC PPM @ %5 O2	OXYGEN IN EXHAUST PERCENT	DRY SMOKE OPACITY PERCENT	BOSCH SMOKE NUMBER
800.0	100	865.7	2,755	247	128	9.9000	.9000	1.2800
600.0	75	647.9	2,985	338	165	10.6000	.9000	1.2800
400.0	50	434.3	3,135	423	156	11.2000	1.3000	1.2800
200.0	25	225.8	3,190	659	239	13.5000	1.3000	1.2800
80.0	10	97.7	3,152	1,153	482	16.0000	1.2000	1.2800

**RATED SPEED "Potential site variation"**

GEN PWR EKW	PERCENT LOAD	ENGINE POWER BKW	TOTAL NOX (AS NO2) G/HP-HR	TOTAL CO G/HP-HR	TOTAL HC G/HP-HR	PART MATTER G/HP-HR	OXYGEN IN EXHAUST PERCENT	DRY SMOKE OPACITY PERCENT	BOSCH SMOKE NUMBER
800.0	100	865.7	12.01	0.66	0.17	0.093	9.9000	.9000	1.2800
600.0	75	647.9	12.97	0.89	0.22	0.100	10.6000	.9000	1.2800
400.0	50	434.3	14.03	1.14	0.22	0.134	11.2000	1.3000	1.2800
200.0	25	225.8	16.26	1.95	0.32	0.209	13.5000	1.3000	1.2800
80.0	10	97.7	21.21	4.41	0.86	0.374	16.0000	1.2000	1.2800

**RATED SPEED "Nominal Data"**

GEN PWR EKW	PERCENT LOAD	ENGINE POWER BKW	TOTAL NOX (AS NO2) G/HR	TOTAL CO G/HR	TOTAL HC G/HR	TOTAL CO2 KG/HR	PART MATTER G/HR	OXYGEN IN EXHAUST PERCENT	DRY SMOKE OPACITY PERCENT	BOSCH SMOKE NUMBER
800.0	100	865.7	11,620.00	424.00	147.00	548.8	77.00	9.9000	.9000	1.2800
600.0	75	647.9	9,389.00	430.00	143.00	407.8	62.40	10.6000	.9000	1.2800
400.0	50	434.3	6,811.00	368.00	94.00	282.2	55.90	11.2000	1.3000	1.2800
200.0	25	225.8	4,105.00	328.00	74.00	162.6	45.30	13.5000	1.3000	1.2800
80.0	10	97.7	2,316.00	321.00	85.00	90.2	35.00	16.0000	1.2000	1.2800

**RATED SPEED "Nominal Data"**

GEN PWR EKW	PERCENT LOAD	ENGINE POWER BKW	TOTAL NOX (AS NO2) mg/norm cu M @ %5 O2	TOTAL CO mg/norm cu M @ %5 O2	TOTAL HC mg/norm cu M @ %5 O2	PART MATTER mg/norm cu M @ %5 O2	OXYGEN IN EXHAUST PERCENT	DRY SMOKE OPACITY PERCENT	BOSCH SMOKE NUMBER
800.0	100	865.7	4,707.0	171.9	59.4	31.2	9.9000	.9000	1.2800
600.0	75	647.9	5,102.2	233.9	77.7	33.9	10.6000	.9000	1.2800
400.0	50	434.3	5,374.8	290.6	74.5	44.1	11.2000	1.3000	1.2800
200.0	25	225.8	5,719.7	457.0	103.0	63.1	13.5000	1.3000	1.2800
80.0	10	97.7	5,785.0	801.5	212.0	87.5	16.0000	1.2000	1.2800

**RATED SPEED "Nominal Data"**

GEN PWR EKW	PERCENT LOAD	ENGINE POWER BKW	TOTAL NOX (AS NO2) PPM @ %5 O2	TOTAL CO PPM @ %5 O2	TOTAL HC PPM @ %5 O2	OXYGEN IN EXHAUST PERCENT	DRY SMOKE OPACITY PERCENT	BOSCH SMOKE NUMBER
800.0	100	865.7	2,296	137	96	9.9000	.9000	1.2800
600.0	75	647.9	2,488	188	124	10.6000	.9000	1.2800
400.0	50	434.3	2,613	235	117	11.2000	1.3000	1.2800
200.0	25	225.8	2,659	366	179	13.5000	1.3000	1.2800
80.0	10	97.7	2,627	641	363	16.0000	1.2000	1.2800

**RATED SPEED "Nominal Data"**

GEN PWR EKW	PERCENT LOAD	ENGINE POWER BKW	TOTAL NOX (AS NO2) G/HP-HR	TOTAL CO G/HP-HR	TOTAL HC G/HP-HR	PART MATTER G/HP-HR	OXYGEN IN EXHAUST PERCENT	DRY SMOKE OPACITY PERCENT	BOSCH SMOKE NUMBER
800.0	100	865.7	10.01	0.37	0.13	0.07	9.9000	.9000	1.2800
600.0	75	647.9	10.81	0.50	0.17	0.07	10.6000	.9000	1.2800
400.0	50	434.3	11.69	0.63	0.16	0.10	11.2000	1.3000	1.2800
200.0	25	225.8	13.55	1.08	0.24	0.15	13.5000	1.3000	1.2800
80.0	10	97.7	17.68	2.45	0.65	0.27	16.0000	1.2000	1.2800

**Altitude Capability Data(Corrected Power Altitude Capability)**

Ambient Operating Temp.	10 C	20 C	30 C	40 C	50 C	NORMAL
Altitude						
0 M	870 kw	870 kw	870 kw	870 kw	870 kw	870 kw
300 M	870 kw	870 kw	870 kw	870 kw	870 kw	870 kw
500 M	870 kw	870 kw	870 kw	870 kw	870 kw	870 kw
1,000 M	870 kw	870 kw	870 kw	861 kw	835 kw	870 kw
1,500 M	870 kw	865 kw	837 kw	810 kw	785 kw	864 kw
2,000 M	842 kw	814 kw	787 kw	762 kw	738 kw	821 kw
2,500 M	792 kw	764 kw	739 kw	716 kw	693 kw	780 kw
3,000 M	743 kw	718 kw	694 kw	672 kw	651 kw	741 kw
3,200 M	724 kw	700 kw	677 kw	655 kw	635 kw	725 kw

**The powers listed above and all the Powers displayed are Corrected Powers**

**Identification Reference and Notes**

<b>Engine Arrangement:</b>	7C4594	<b>Lube Oil Press @ Rated Spd(KPA):</b>	445.0
<b>Effective Serial No:</b>	23Z07074	<b>Piston Speed @ Rated Eng SPD(M/Sec):</b>	9.5
<b>Primary Engine Test Spec:</b>	2T9144	<b>Max Operating Altitude(M):</b>	1,427.0
<b>Performance Parm Ref:</b>	TM5739	<b>PEEC Elect Control Module Ref</b>	
<b>Performance Data Ref:</b>	TM4514	<b>PEEC Personality Cont Mod Ref</b>	
<b>Aux Coolant Pump Perf Ref:</b>			
<b>Cooling System Perf Ref:</b>	TD3095	<b>Turbocharger Model</b>	UTV8302-1.08
<b>Certification Ref:</b>		<b>Fuel Injector</b>	1111775
<b>Certification Year:</b>		<b>Timing-Static (DEG):</b>	--
<b>Compression Ratio:</b>	13.0	<b>Timing-Static Advance (DEG):</b>	--
<b>Combustion System:</b>	DI	<b>Timing-Static (MM):</b>	--
<b>Aftercooler Temperature (C):</b>	82	<b>Unit Injector Timing (MM):</b>	88.3
<b>Crankcase Blowby Rate(M3/H):</b>	16.5	<b>Torque Rise (percent)</b>	--
<b>Fuel Rate (Rated RPM) No Load(L/HR):</b>	15.9	<b>Peak Torque Speed RPM</b>	--
<b>Lube Oil Press @ Low Idle Spd(KPA):</b>	138.0	<b>Peak Torque (NM):</b>	--

Reference  
Number: TM4514

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Parameters  
Reference: TM5739

## GEN SET - PACKAGED - DIESEL

### **TOLERANCES:**

AMBIENT AIR CONDITIONS AND FUEL USED WILL AFFECT THESE VALUES.  
EACH OF THE VALUES MAY VARY IN ACCORDANCE WITH THE FOLLOWING  
TOLERANCES.

Power	+/- 3%
Exhaust Stack Temperature	+/- 8%
Generator Power	+/- 5%
Inlet Airflow	+/- 5%
Intake Manifold Pressure-gage	+/- 10%
Exhaust Flow	+/- 6%
Specific Fuel Consumption	+/- 3%
Fuel Rate	+/- 5%
Heat Rejection	+/- 5%
Heat Rejection - Exhaust Only	+/- 10%

### **T4i Tolerance Exceptions**

**C15:** Power Tolerance +4% , -0%

**C27:** Power Tolerance +0% , -4%

### **CONDITIONS:**

ENGINE PERFORMANCE IS CORRECTED TO INLET AIR STANDARD CONDITIONS OF 99 KPA (29.31 IN HG) AND 25 DEG C (77 DEG F).

THESE VALUES CORRESPOND TO THE STANDARD ATMOSPHERIC PRESSURE AND TEMPERATURE IN ACCORDANCE WITH SAE J1349. ALSO INCLUDED IS A CORRECTION TO STANDARD FUEL GRAVITY OF 35 DEGREES API HAVING A LOWER HEATING VALUE OF 42,780 KJ/KG (18,390 BTU/LB) WHEN USED AT 29 DEG C (84.2 DEG F) WHERE THE DENSITY IS 838.9 G/L (7.002 LB/GAL).

THE CORRECTED PERFORMANCE VALUES SHOWN FOR CATERPILLAR ENGINES WILL APPROXIMATE THE VALUES OBTAINED WHEN THE OBSERVED PERFORMANCE DATA IS CORRECTED TO SAE J1349, ISO 3046-2 & 8665 & 2288 & 9249 & 1585, EEC 80/1269 AND DIN70020 STANDARD REFERENCE CONDITIONS.

ENGINES ARE EQUIPPED WITH STANDARD ACCESSORIES; LUBE OIL, FUEL PUMP AND JACKET WATER PUMP. THE POWER REQUIRED TO DRIVE AUXILIARIES MUST BE DEDUCTED FROM THE GROSS OUTPUT TO ARRIVE AT THE NET POWER AVAILABLE FOR THE EXTERNAL (FLYWHEEL) LOAD. TYPICAL AUXILIARIES INCLUDE COOLING FANS, AIR COMPRESSORS, AND CHARGING ALTERNATORS.

RATINGS MUST BE REDUCED TO COMPENSATE FOR ALTITUDE AND/OR AMBIENT TEMPERATURE CONDITIONS ACCORDING TO THE APPLICABLE DATA SHOWN ON THE PERFORMANCE DATA SET.

**ALTITUDE:**

*ALTITUDE CAPABILITY* - THE RECOMMENDED REDUCED POWER VALUES FOR SUSTAINED ENGINE OPERATION AT SPECIFIC ALTITUDE LEVELS AND AMBIENT TEMPERATURES.

*COLUMN "N" DATA* - THE FLYWHEEL POWER OUTPUT AT NORMAL AMBIENT TEMPERATURE.

*AMBIENT TEMPERATURE* - TO BE MEASURED AT THE AIR CLEANER AIR INLET DURING NORMAL ENGINE OPERATION.

*NORMAL TEMPERATURE* - THE NORMAL TEMPERATURE AT VARIOUS SPECIFIC ALTITUDE LEVELS IS FOUND ON TM2001.

THE GENERATOR POWER CURVE TABULAR DATA REPRESENTS THE NET ELECTRICAL POWER OUTPUT OF THE GENERATOR.

**GENERATOR SET RATINGS**

*EMERGENCY STANDBY POWER (ESP)*

OUTPUT AVAILABLE WITH VARYING LOAD FOR THE DURATION OF AN EMERGENCY OUTAGE. AVERAGE POWER OUTPUT IS 70% OF THE ESP RATING. TYPICAL OPERATION IS 50 HOURS PER YEAR, WITH MAXIMUM EXPECTED USAGE OF 200 HOURS PER YEAR.

*STANDBY POWER RATING*

OUTPUT AVAILABLE WITH VARYING LOAD FOR THE DURATION OF AN EMERGENCY OUTAGE. AVERAGE POWER OUTPUT IS 70% OF THE STANDBY POWER RATING. TYPICAL OPERATION IS 200 HOURS PER YEAR, WITH MAXIMUM EXPECTED USAGE OF 500 HOURS PER YEAR.

*PRIME POWER RATING*

OUTPUT AVAILABLE WITH VARYING LOAD FOR AN UNLIMITED TIME. AVERAGE POWER OUTPUT IS 70% OF THE PRIME POWER RATING. TYPICAL PEAK DEMAND IS 100% OF PRIME RATED EKW WITH 10% OVERLOAD CAPABILITY FOR EMERGENCY USE FOR A MAXIMUM OF 1 HOUR IN 12. OVERLOAD OPERATION CANNOT EXCEED 25 HOURS PER YEAR.

*CONTINUOUS POWER RATING*

OUTPUT AVAILABLE WITH NON-VARYING LOAD FOR AN UNLIMITED TIME. AVERAGE POWER OUTPUT IS 70-100% OF THE CONTINUOUS POWER RATING. TYPICAL PEAK DEMAND IS 100% OF CONTINUOUS RATED EKW FOR 100% OF OPERATING HOURS.

**SOUND DEFINITIONS:**

Sound Power : [DM8702](#)

Sound Pressure : [TM7080](#)

Date Released : 03/14/12



