

PERFORMANCE DATA [C18PD1C]

NOVEMBER 10, 2021

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Perf No: EM3842

Change Level: 02

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SALES MODEL:	C18	COMBUSTION:	DIRECT INJECTION
BRAND:	CAT	ENGINE SPEED (RPM):	1,800
ENGINE POWER (BHP):	1,112	HERTZ:	60
GEN POWER WITH FAN (EKW):	750.0	FAN POWER (HP):	42.2
COMPRESSION RATIO:	14	ADDITIONAL PARASITICS (HP):	3.4
RATING LEVEL:	STANDBY	ASPIRATION:	TA
PUMP QUANTITY:	1	AFTERCOOLER TYPE:	ATAAC
FUEL TYPE:	DIESEL	AFTERCOOLER CIRCUIT TYPE:	JW+OC, ATAAC
MANIFOLD TYPE:	DRY	INLET MANIFOLD AIR TEMP (F):	120
GOVERNOR TYPE:	ELEC	JACKET WATER TEMP (F):	192.2
CAMSHAFT TYPE:	STANDARD	TURBO CONFIGURATION:	PARALLEL
IGNITION TYPE:	CI	TURBO QUANTITY:	2
INJECTOR TYPE:	EUI	TURBOCHARGER MODEL:	GTD5008 0.75 A/R
REF EXH STACK DIAMETER (IN):	6	CERTIFICATION YEAR:	2018
MAX OPERATING ALTITUDE (FT):	3,553	PISTON SPD @ RATED ENG SPD (FT/MIN):	2,161.4

INDUSTRY	SUB INDUSTRY	APPLICATION
ELECTRIC POWER	STANDARD	PACKAGED GENSET

General Performance Data [Top](#)

GENSET POWER WITH FAN	PERCENT LOAD	ENGINE POWER	BRAKE MEAN EFF PRES (BMEP)	BRAKE SPEC FUEL CONSUMPTN (BSFC)	ISO BRAKE SPEC FUEL CONSUMPTN (BSFC)	VOL FUEL CONSUMPTN (VFC)	ELEC SPEC FUEL CONSUMPTN (ESFC)	ISO ELEC SPEC FUEL CONSUMPTN (ESFC)
EKW	%	BHP	PSI	LB/BHP-HR	LB/BHP-HR	GAL/HR	LB/EKW-HR	LB/EKW-HR
750.0	100	1,112	442	0.342	0.335	53.6	0.507	0.497
675.0	90	1,002	399	0.345	0.339	48.8	0.513	0.503
600.0	80	894	356	0.355	0.348	44.8	0.529	0.519
562.5	75	840	334	0.362	0.355	42.8	0.540	0.530
525.0	70	787	313	0.357	0.350	39.6	0.535	0.525
450.0	60	680	271	0.347	0.340	33.3	0.524	0.514
375.0	50	575	229	0.350	0.344	28.4	0.537	0.527
300.0	40	471	187	0.356	0.349	23.6	0.559	0.548
225.0	30	367	146	0.365	0.358	18.9	0.596	0.585
187.5	25	315	125	0.373	0.366	16.6	0.627	0.615
150.0	20	262	104	0.384	0.377	14.2	0.672	0.660
75.0	10	155	62	0.436	0.428	9.5	0.903	0.886

GENSET POWER WITH FAN	PERCENT LOAD	ENGINE POWER	INLET MFLD PRES	INLET MFLD TEMP	EXH MFLD TEMP	EXH MFLD PRES	ENGINE OUTLET TEMP	COMPRESSOR OUTLET PRES	COMPRESSOR OUTLET TEMP
EKW	%	BHP	IN-HG	DEG F	DEG F	IN-HG	DEG F	IN-HG	DEG F
750.0	100	1,112	99.6	120.6	1,297.4	91.1	847.3	106	491.8
675.0	90	1,002	94.8	116.3	1,237.8	85.6	808.8	101	471.6
600.0	80	894	90.6	110.2	1,190.8	81.2	779.6	97	456.4
562.5	75	840	88.9	106.0	1,168.7	79.4	765.3	95	449.8
525.0	70	787	83.3	102.6	1,123.3	73.0	732.9	89	427.8
450.0	60	680	70.0	97.1	1,044.2	59.2	681.5	75	378.6
375.0	50	575	58.7	92.6	995.6	48.8	659.1	63	343.0

GENSET POWER WITH FAN	PERCENT LOAD	ENGINE POWER	INLET MFLD PRES	INLET MFLD TEMP	EXH MFLD TEMP	EXH MFLD PRES	ENGINE OUTLET TEMP	COMPRESSOR OUTLET PRES	COMPRESSOR OUTLET TEMP
300.0	40	471	46.1	89.2	946.5	38.8	636.5	50	296.8
225.0	30	367	33.0	85.9	891.7	28.9	613.3	36	248.4
187.5	25	315	26.7	84.2	861.7	23.9	601.4	30	224.2
150.0	20	262	20.9	82.5	823.8	19.2	583.1	23	199.8
75.0	10	155	10.7	79.1	696.6	12.2	500.0	13	150.3

GENSET POWER WITH FAN	PERCENT LOAD	ENGINE POWER	WET INLET AIR VOL FLOW RATE	ENGINE OUTLET WET EXH GAS VOL FLOW RATE	WET INLET AIR MASS FLOW RATE	WET EXH GAS MASS FLOW RATE	WET EXH VOL FLOW RATE (32 DEG F AND 29.98 IN HG)	DRY EXH VOL FLOW RATE (32 DEG F AND 29.98 IN HG)
EKW	%	BHP	CFM	CFM	LB/HR	LB/HR	FT3/MIN	FT3/MIN
750.0	100	1,112	2,375.0	6,028.4	10,393.9	10,773.8	2,267.8	2,078.6
675.0	90	1,002	2,311.8	5,661.5	10,079.7	10,425.9	2,194.5	2,019.7
600.0	80	894	2,255.1	5,366.3	9,808.8	10,125.6	2,129.1	1,967.2
562.5	75	840	2,232.7	5,242.8	9,695.0	9,998.8	2,104.4	1,948.0
525.0	70	787	2,128.6	4,886.8	9,201.8	9,479.4	2,014.8	1,868.9
450.0	60	680	1,924.5	4,154.8	8,250.4	8,484.5	1,790.1	1,665.9
375.0	50	575	1,724.0	3,614.1	7,338.5	7,539.3	1,588.3	1,481.3
300.0	40	471	1,496.1	3,059.1	6,324.6	6,492.2	1,372.1	1,282.4
225.0	30	367	1,252.4	2,494.4	5,258.7	5,392.8	1,143.0	1,070.6
187.5	25	315	1,129.6	2,211.4	4,728.5	4,845.9	1,024.7	960.8
150.0	20	262	1,009.9	1,930.2	4,215.5	4,316.3	910.1	854.6
75.0	10	155	782.1	1,374.8	3,253.5	3,321.2	704.3	665.3

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GENSET POWER WITH FAN	PERCENT LOAD	ENGINE POWER	REJECTION TO JACKET WATER	REJECTION TO ATMOSPHERE	REJECTION TO EXH	EXHAUST RECOVERY TO 350F	FROM OIL COOLER	FROM AFTERCOOLER	WORK ENERGY	LOW HEAT VALUE ENERGY	HIGH HEAT VALUE ENERGY
EKW	%	BHP	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN	BTU/MIN
750.0	100	1,112	12,818	8,047	40,603	22,636	6,204	15,452	47,163	116,484	124,084
675.0	90	1,002	11,743	6,958	37,522	20,109	5,654	14,340	42,509	106,146	113,072
600.0	80	894	10,952	6,200	35,048	18,214	5,186	13,597	37,916	97,360	103,713
562.5	75	840	10,640	5,836	33,785	17,352	4,962	13,346	35,638	93,166	99,245
525.0	70	787	9,859	5,705	30,827	15,116	4,587	11,983	33,363	86,117	91,736
450.0	60	680	8,318	5,623	24,979	11,650	3,854	9,300	28,853	72,352	77,073
375.0	50	575	7,503	5,062	21,470	9,629	3,289	7,357	24,380	61,743	65,772
300.0	40	471	6,805	4,763	17,924	7,664	2,736	5,257	19,977	51,373	54,726
225.0	30	367	6,315	4,137	14,360	5,834	2,190	3,423	15,572	41,123	43,806
187.5	25	315	6,146	3,592	12,622	4,998	1,918	2,650	13,357	36,017	38,367
150.0	20	262	5,811	3,166	10,852	4,120	1,647	1,979	11,122	30,914	32,931
75.0	10	155	4,464	2,714	7,429	2,021	1,106	928	6,579	20,759	22,114

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Units Filter ▼

DIESEL

RATED SPEED NOMINAL DATA: 1800 RPM

GENSET POWER WITH FAN ENGINE POWER	EKW BHP	750.0 1,112	562.5 840	375.0 575	187.5 315	75.0 155
PERCENT LOAD	%	100	75	50	25	10
TOTAL NOX (AS NO2)	G/HR	5,965	3,126	2,054	1,344	778
TOTAL CO	G/HR	243	232	76	312	1,148
TOTAL HC	G/HR	66	67	47	55	458
TOTAL CO2	KG/HR	552	441	292	172	96
PART MATTER	G/HR	33.7	34.4	21.3	25.5	73.8
TOTAL NOX (AS NO2) (CORR 5% O2)	MG/NM3	2,468.0	1,615.7	1,594.0	1,789.0	1,769.3

GENSET POWER WITH FAN ENGINE POWER		EKW BHP	750.0 1,112	562.5 840	375.0 575	187.5 315	75.0 155
PERCENT LOAD		%	100	75	50	25	10
TOTAL CO	(CORR 5% O2)	MG/NM3	100.1	120.0	57.8	462.4	3,203.4
TOTAL HC	(CORR 5% O2)	MG/NM3	23.5	29.8	32.1	65.0	1,156.1
PART MATTER	(CORR 5% O2)	MG/NM3	11.7	15.2	14.2	30.4	185.1
TOTAL NOX (AS NO2)	(CORR 15% O2)	MG/NM3	915.8	599.5	591.5	663.9	656.5
TOTAL CO	(CORR 15% O2)	MG/NM3	37.1	44.5	21.4	171.6	1,188.7
TOTAL HC	(CORR 15% O2)	MG/NM3	8.7	11.1	11.9	24.1	429.0
PART MATTER	(CORR 15% O2)	MG/NM3	4.3	5.7	5.3	11.3	68.7
TOTAL NOX (AS NO2)	(CORR 5% O2)	PPM	1,202	787	776	871	862
TOTAL CO	(CORR 5% O2)	PPM	80	96	46	370	2,563
TOTAL HC	(CORR 5% O2)	PPM	44	56	60	121	2,158
TOTAL NOX (AS NO2)	(CORR 15% O2)	PPM	446	292	288	323	320
TOTAL CO	(CORR 15% O2)	PPM	30	36	17	137	951
TOTAL HC	(CORR 15% O2)	PPM	16	21	22	45	801
TOTAL NOX (AS NO2)		G/HP-HR	5.42	3.75	3.59	4.27	5.02
TOTAL CO		G/HP-HR	0.22	0.28	0.13	0.99	7.41
TOTAL HC		G/HP-HR	0.06	0.08	0.08	0.17	2.96
PART MATTER		G/HP-HR	0.03	0.04	0.04	0.08	0.48
TOTAL NOX (AS NO2)		G/KW-HR	7.37	5.09	4.88	5.81	6.83
TOTAL CO		G/KW-HR	0.30	0.38	0.18	1.35	10.07
TOTAL HC		G/KW-HR	0.08	0.11	0.11	0.24	4.02
PART MATTER		G/KW-HR	0.04	0.06	0.05	0.11	0.65
TOTAL NOX (AS NO2)		LB/HR	13.15	6.89	4.53	2.96	1.72
TOTAL CO		LB/HR	0.54	0.51	0.17	0.69	2.53
TOTAL HC		LB/HR	0.14	0.15	0.10	0.12	1.01
TOTAL CO2		LB/HR	1,217	971	644	380	211
PART MATTER		LB/HR	0.07	0.08	0.05	0.06	0.16
OXYGEN IN EXH		%	9.8	11.5	12.7	13.5	14.9
DRY SMOKE OPACITY		%	0.5	0.8	0.5	1.0	0.5
BOSCH SMOKE NUMBER			0.71	0.79	0.71	0.86	0.71

RATED SPEED POTENTIAL SITE VARIATION: 1800 RPM

GENSET POWER WITH FAN ENGINE POWER		EKW BHP	750.0 1,112	562.5 840	375.0 575	187.5 315	75.0 155
PERCENT LOAD		%	100	75	50	25	10
TOTAL NOX (AS NO2)		G/HR	6,442	3,376	2,219	1,451	840
TOTAL CO		G/HR	454	434	142	583	2,147
TOTAL HC		G/HR	124	126	89	103	866
PART MATTER		G/HR	65.6	67.1	41.6	49.7	144.0
TOTAL NOX (AS NO2)	(CORR 5% O2)	MG/NM3	2,665.4	1,745.0	1,721.5	1,932.2	1,910.9
TOTAL CO	(CORR 5% O2)	MG/NM3	187.1	224.5	108.1	864.7	5,990.4
TOTAL HC	(CORR 5% O2)	MG/NM3	44.4	56.3	60.6	122.9	2,185.0
PART MATTER	(CORR 5% O2)	MG/NM3	22.8	29.7	27.7	59.3	361.0
TOTAL NOX (AS NO2)	(CORR 15% O2)	MG/NM3	989.1	647.5	638.8	717.0	709.1
TOTAL CO	(CORR 15% O2)	MG/NM3	69.4	83.3	40.1	320.9	2,222.8
TOTAL HC	(CORR 15% O2)	MG/NM3	16.5	20.9	22.5	45.6	810.8
PART MATTER	(CORR 15% O2)	MG/NM3	8.4	11.0	10.3	22.0	134.0
TOTAL NOX (AS NO2)	(CORR 5% O2)	PPM	1,298	850	839	941	931
TOTAL CO	(CORR 5% O2)	PPM	150	180	86	692	4,792
TOTAL HC	(CORR 5% O2)	PPM	83	105	113	229	4,079
TOTAL NOX (AS NO2)	(CORR 15% O2)	PPM	482	315	311	349	345
TOTAL CO	(CORR 15% O2)	PPM	56	67	32	257	1,778
TOTAL HC	(CORR 15% O2)	PPM	31	39	42	85	1,513
TOTAL NOX (AS NO2)		G/HP-HR	5.85	4.05	3.88	4.62	5.42
TOTAL CO		G/HP-HR	0.41	0.52	0.25	1.85	13.85
TOTAL HC		G/HP-HR	0.11	0.15	0.16	0.33	5.59
PART MATTER		G/HP-HR	0.06	0.08	0.07	0.16	0.93
TOTAL NOX (AS NO2)		G/KW-HR	7.95	5.50	5.27	6.28	7.37
TOTAL CO		G/KW-HR	0.56	0.71	0.34	2.52	18.83
TOTAL HC		G/KW-HR	0.15	0.21	0.21	0.45	7.60
PART MATTER		G/KW-HR	0.08	0.11	0.10	0.22	1.26
TOTAL NOX (AS NO2)		LB/HR	14.20	7.44	4.89	3.20	1.85
TOTAL CO		LB/HR	1.00	0.96	0.31	1.28	4.73
TOTAL HC		LB/HR	0.27	0.28	0.20	0.23	1.91
PART MATTER		LB/HR	0.14	0.15	0.09	0.11	0.32

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EPA EMERGENCY STATIONARY		2011 - ----	
GASEOUS EMISSIONS DATA MEASUREMENTS PROVIDED TO THE EPA ARE CONSISTENT WITH THOSE DESCRIBED IN EPA 40 CFR PART 60 SUBPART IIII AND ISO 8178 FOR MEASURING HC, CO, PM, AND NOX. THE "MAX LIMITS" SHOWN BELOW ARE WEIGHTED CYCLE AVERAGES AND ARE IN COMPLIANCE WITH THE EMERGENCY STATIONARY REGULATIONS.			
Locality	Agency	Regulation	Tier/Stage
U.S. (INCL CALIF)	EPA	STATIONARY	EMERGENCY STATIONARY
			Max Limits - G/BKW - HR
			CO: 3.5 NOx + HC: 6.4 PM: 0.20

Altitude Derate Data [Top](#)

STANDARD

ALTITUDE CORRECTED POWER CAPABILITY (BHP)

AMBIENT OPERATING TEMP (F)	50	60	70	80	90	100	110	120	130	140	NORMAL
ALTITUDE (FT)											
0	1,112	1,112	1,112	1,111	1,106	1,101	1,096	1,089	1,054	987	1,112
1,000	1,112	1,112	1,112	1,107	1,102	1,097	1,092	1,066	1,006	957	1,110
2,000	1,112	1,111	1,106	1,101	1,096	1,091	1,063	1,002	956	916	1,105
3,000	1,110	1,105	1,100	1,095	1,088	1,058	996	954	915	854	1,101
4,000	1,103	1,097	1,082	1,069	1,051	990	950	912	852	793	1,090
5,000	1,067	1,045	1,023	1,002	981	944	907	845	792	739	1,043
6,000	1,039	1,013	993	975	955	918	862	805	776	696	1,020
7,000	1,020	1,000	984	969	943	900	835	793	757	680	1,013
8,000	999	982	967	954	923	867	808	764	723	670	999
9,000	973	958	944	932	898	826	769	720	703	665	979
10,000	944	930	917	906	851	795	748	720	698	670	956
11,000	912	898	886	875	817	772	736	710	685	654	928
12,000	879	867	856	845	791	753	722	690	657	621	899
13,000	843	832	822	811	772	733	694	656	618	590	864
14,000	800	791	781	772	730	688	648	610	587	567	825
15,000	754	744	733	714	672	635	602	583	564	544	780

Cross Reference [Top](#)

Test Spec	Setting	Engine Arrangement	Engineering Model	Engineering Model Version	Start Effective Serial Number	End Effective Serial Number
4581998	PP7270	5365365	GS668	-	LTH00001	
4582018	PP7585	5407425	EE563	-	LT400001	
4582018	PP7585	5407426	EE563	-	LT400001	
4581998	PP7270	5411973	GS668	-	LTH00001	

Performance Parameter Reference [Top](#)

Parameters Reference: DM9600 - 14

PERFORMANCE DEFINITIONS

PERFORMANCE DEFINITIONS DM9600

APPLICATION: Engine performance tolerance values below are representative of a typical production engine tested in a calibrated dynamometer test cell at SAE J1995 standard reference conditions. Caterpillar maintains ISO9001:2000 certified quality management systems for engine test Facilities to assure accurate calibration of test equipment. Engine test data is corrected in accordance with SAE J1995. Additional reference material SAE J1228, J1349, ISO 8665, 3046-1:2002E, 3046-3:1989, 1585, 2534, 2288, and 9249 may apply in part or are similar to SAE J1995. Special engine rating request (SERR) test data shall be noted.

PERFORMANCE PARAMETER TOLERANCE FACTORS: Power +/- 3% Torque +/- 3% Exhaust stack temperature +/- 8% Inlet airflow +/- 5% Intake manifold pressure-gage +/- 10% Exhaust flow +/- 6% Specific fuel consumption +/- 3% Fuel rate +/- 5% Specific DEF consumption +/- 3% DEF rate +/- 5% Heat rejection +/- 5% Heat rejection exhaust only +/- 10% Heat rejection CEM only +/- 10%

Heat Rejection values based on using treated water.

Torque is included for truck and industrial applications, do not use for Gen Set or steady state applications.

On C7 - C18 engines, at speeds of 1100 RPM and under these values are provided for reference only, and may not meet the tolerance listed.

On 3500 and C175 engines, at speeds below Peak Torque these values are provided for reference only, and may not meet the tolerance listed.

These values do not apply to C280/3600. For these models, see the tolerances listed below.

C280/3600 HEAT REJECTION TOLERANCE FACTORS: Heat rejection +/- 10% Heat rejection to Atmosphere +/- 50%

Heat rejection to Lube Oil +/- 20% Heat rejection to Aftercooler +/- 5%

TEST CELL TRANSDUCER TOLERANCE FACTORS: Torque +/- 0.5% Speed +/- 0.2% Fuel flow +/- 1.0% Temperature +/- 2.0 C degrees Intake manifold pressure +/- 0.1 kPa
OBSERVED ENGINE PERFORMANCE IS CORRECTED TO SAE J1995 REFERENCE AIR AND FUEL CONDITIONS.

REFERENCE ATMOSPHERIC INLET AIR FOR 3500 ENGINES AND SMALLER SAE J1228 AUG2002 for marine engines, and J1995 JAN2014 for other engines, reference atmospheric pressure is 100 KPA (29.61 in hg), and standard temperature is 25deg C (77 deg F) at 30% relative humidity at the stated aftercooler water temp, or inlet manifold temp.
FOR 3600 ENGINES Engine rating obtained and presented in accordance with ISO 3046/1 and SAE J1995 JANJAN2014 reference atmospheric pressure is 100 KPA (29.61 in hg), and standard temperature is 25deg C (77 deg F) at 30% relative humidity and 150M altitude at the stated aftercooler water temperature.

MEASUREMENT LOCATION FOR INLET AIR TEMPERATURE Location for air temperature measurement air cleaner inlet at stabilized operating conditions.

REFERENCE EXHAUST STACK DIAMETER The Reference Exhaust Stack Diameter published with this dataset is only used for the calculation of Smoke Opacity values displayed in this dataset. This value does not necessarily represent the actual stack diameter of the engine due to the variety of exhaust stack adapter options available. Consult the price list, engine order or general dimension drawings for the actual stack diameter size ordered or options available.

REFERENCE FUEL DIESEL Reference fuel is #2 distillate diesel with a 35API gravity; A lower heating value is 42,780 KJ/KG (18,390 BTU/LB) when used at 15 deg C (59 deg F), where the density is 850 G/Liter (7.0936 Lbs/Gal).
GAS Reference natural gas fuel has a lower heating value of 33.74 KJ/L (905 BTU/CU Ft). Low BTU ratings are based on 18.64 KJ/L (500 BTU/CU FT) lower heating value gas. Propane ratings are based on 87.56 KJ/L (2350 BTU/CU Ft) lower heating value gas.

ENGINE POWER (NET) IS THE CORRECTED FLYWHEEL POWER (GROSS) LESS EXTERNAL AUXILIARY LOAD Engine corrected gross output includes the power required to drive standard equipment; lube oil, scavenge lube oil, fuel transfer, common rail fuel, separate circuit aftercooler and jacket water pumps. Engine net power available for the external (flywheel) load is calculated by subtracting the sum of auxiliary load from the corrected gross flywheel output power. Typical auxiliary loads are radiator cooling fans, hydraulic pumps, air compressors and battery charging alternators. For Tier 4 ratings additional Parasitic losses would also include Intake, and Exhaust Restrictions.

ALTITUDE CAPABILITY Altitude capability is the maximum altitude above sea level at standard temperature and standard pressure at which the engine could develop full rated output power on the current performance data set. Standard temperature values versus altitude could be seen on TM2001.

When viewing the altitude capability chart the ambient temperature is the inlet air temp at the compressor inlet. Engines with ADEM MEUI and HEUI fuel systems operating at conditions above the defined altitude capability derate for atmospheric pressure and temperature conditions outside the values defined, see TM2001. Mechanical governor controlled unit injector engines require a setting change for operation at conditions above the altitude defined on the engine performance sheet. See your Caterpillar technical representative for non standard ratings.

REGULATIONS AND PRODUCT COMPLIANCE TMI Emissions information is presented at 'nominal' and 'Potential Site Variation' values for standard ratings. No tolerances are applied to the emissions data. These values are subject to change at any time. The controlling federal and local emission requirements need to be verified by your Caterpillar technical representative. Customer's may have special emission site requirements that need to be verified by the Caterpillar Product Group engineer.

EMISSION CYCLE LIMITS: Cycle emissions Max Limits apply to cycle-weighted averages only. Emissions at individual load points may exceed the cycle-weighted limit.

WET & DRY EXHAUST/EMISSIONS DESCRIPTION: Wet - Total exhaust flow or concentration of total exhaust flow Dry - Total exhaust flow minus water vapor or concentration of exhaust flow with water vapor excluded

EMISSIONS DEFINITIONS: Emissions : DM1176

EMISSION CYCLE DEFINITIONS

1. For constant-speed marine engines for ship main propulsion, including, diesel-electric drive, test cycle E2 shall be applied, for controllable-pitch propeller sets test cycle E2 shall be applied.
2. For propeller-law-operated main and propeller-law-operated auxiliary engines the test cycle E3 shall be applied.
3. For constant-speed auxiliary engines test cycle D2 shall be applied.
4. For variable-speed, variable-load auxiliary engines, not included above, test cycle C1 shall be applied.

HEAT REJECTION DEFINITIONS: Diesel Circuit Type and HHV Balance : DM9500

HIGH DISPLACEMENT (HD) DEFINITIONS: 3500: EM1500

RATING DEFINITIONS: Agriculture : TM6008

Fire Pump : TM6009

Generator Set : TM6035

Generator (Gas) : TM6041

Industrial Diesel : TM6010

Industrial (Gas) : TM6040

Irrigation : TM5749

Locomotive : TM6037

Marine Auxiliary : TM6036

Marine Prop (Except 3600) : TM5747

Marine Prop (3600 only) : TM5748

MSHA : TM6042

Oil Field (Petroleum) : TM6011

Off-Highway Truck : TM6039

On-Highway Truck : TM6038

SOUND DEFINITIONS: Sound Power : DM8702

Sound Pressure : TM7080

