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Back to Index

Siemens
Estimated SCC6-5000F(5)ee Exhaust Stack Emissions
Combined Cycle /ULN Combustor
Estimated Emissions Data Sheet
August 23, 2013

		CASE 1
	SITE CONDITIONS	
	PLANT MODE	2x1
	FUEL TYPE	Natural Gas
	GT LOAD LEVEL, %	Min. Load
	NET FUEL HEATING VALUE, Btu/lbm (LHV)	20,961
	GROSS FUEL HEATING VALUE, Btu/lbm (HHV)	23,250
	EVAPORATIVE COOLER STATUS	OFF
	DUCT BURNING	OFF
	AMBIENT DRY BULB TEMPERATURE, °F	45
	AMBIENT RELATIVE HUMIDITY, %	45
	BAROMETRIC PRESSURE, psia	14.656
	GT FUEL FLOW, lbm/hr	62,445
	DUCT BURNER FUEL FLOW, lbm/hr	-
	HRSG STACK EXHAUST GAS	
	EXHAUST FLOW, lbm/hr	2,971,040
	HRSG STACK TEMPERATURE, °F	188
	OXYGEN Vol. %	13.21
4.50	CARBON DIOXIDE Vol.%	3.55
	WATER Vol. %	7.30
	NITROGEN Vol.%	75.07
	ARGON Vol. %	0.88
	MOLECULAR WEIGHT	28.48
	HRSG EXHAUST STACK EMISSIONS (Based on USEPA Test Methods)	
	NOx, ppmvd @ 15% O2	2
	NOx, lbm/hr as NO2	10.4
	NH3, ppmvd @ 15% O2	5
	NH3, lbm/hr	9.6
	CO, ppmvd @ 15% O2	2
	CO, lbm/hr	6.3
	VOC, ppmvd @ 15% O2	1
	VOC, lbm/hr as CH4	1.9
	PARTICULATES, lbm/hr (0.2 gr/100scf sulfur)	8
	PARTICULATES, lbm/hr (5 gr/100scf sulfur)	16.4

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NOTES:
- All data is **ESTIMATED, NOT guaranteed and is for ONE unit** (gas turbine and HRSG).
- Gas fuel composition is 95.972% CH4, 2.815% C2H6, 0.1817% C3H8, 0.0343% i-C4H1
  0.0032% n-C8H18, 0.2214% N2, 0.7101% CO2, and 0.2 grains Sulfur per 100 SCF.
- Gas fuel must be in compliance with the Siemens Gas Fuel Specification.
- NOX emissions assume the use of an SCR system with ammonia injection.
- CO and VOC emissions assume the use of an oxidation catalyst.
- VOC consist of total hydrocarbons excluding methane and ethane and are expressec
- Particulates are per US EPA Method 5 and 202 (front and back half).
- Low Load CO (LLCO) Hardware is in operation for Minimum Load cases.
- Emissions exclude ambient air contributions and assume steady-state conditions.
- Please be advised that the information contained in this transmittal has been prepai
  Data included in any permit application or Environmental Impact Statement are stri

Siemens
Performance Estimate Data Sheet
Lon C Hill - SCC6-5000F(5ee) 2x1 ACC - Engineered Power Island Scope

		CASE 1
BASE REFERENCE CONDITIONS		
GT Load Level	%	MLEC
Plant Operating Configuration	-	2x1
Plant Equipment Condition	-	New and Clean
Ambient Temperature	°F	45
Relative Humidity	%	45
Barometric Pressure	psia	14.656
Fuel Type	-	Gas
Fuel Heating Value - (LHV)	Btu/lbm	20,961
Fuel Composition	-	See note [5&6]
Fuel Temperature at Test Boundary	°F	60
Power Factor @ Generator Terminals	-	0.9
System Frequency	Hz	60
HRSG Blowdown	%	-
Evap Cooler Status	-	OFF
Duct Burner Status	-	OFF
Steam Turbine Back Pressure	psia	1.21
ESTIMATED PERFORMANCE		
Net Power	kW	377,200
Net Heat Rate	Btu/kWhr (LHV)	6,940
Net Heat Rate	Btu/kWhr (HHV)	7,738
Aux Loads	kW	7,100
FOR INFORMATION ONLY		
Estimated Gross GT Output	kW	228,700

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Estimated Gross ST Output	kW	155,600

NOTES:

1. The performance data provided is estimated and not guaranteed.
2. The Net Power is defined as the power determined at the generator terminals min operation of the facility (GTs, ST, HRSGs, Boiler Feed Pumps, Condensate Extractio Power Island Controls).
3. Net Heat Rate is the fuel input rate to the gas turbine(s) and duct burner(s) as appli divided by the Net Power in kW.
4. The performance data is based on the application of a test tolerance which is equa
5. Gas fuel must comply with Siemens Gas Fuel Specification ZDX555-DC01-MBP-250(
6. The fuel gas composition used in the performance estimate is (Mol %) 95.972% CH 0.0343% iC4H10, 0.00690% nC5H12, 0.009% nC6H14, 0.0065% C7H16, 0.00320 nC 0.2214% N2 and assumes less than 0.2 grains of sulfur per 100 SCF
7. GT LLCO hardware is not considered
8. MLEC stands for Minimum Load Emission Compliance.

US EPA ARCHIVE DOCUMENT

CASE 2	CASE 3	CASE 4	CASE 5	CASE 6	CASE 7
2x1	2x1	2x1	2x1	2x1	2x1
Natural Gas	Natural Gas	Natural Gas	Natural Gas	Natural Gas	Natural Gas
75	Shaft Limit	Min. Load	75	Shaft Limit	Min. Load
20,961	20,961	20,961	20,961	20,961	20,961
23,250	23,250	23,250	23,250	23,250	23,250
OFF	OFF	OFF	OFF	OFF	OFF
OFF	OFF	OFF	OFF	OFF	OFF
45	45	60	60	60	75
45	45	70	70	70	70
14.656	14.656	14.656	14.656	14.656	14.656
85,195	97,287	62,328	82,922	97,922	62,312
-	-	-	-	-	-
3,752,739	4,399,506	2,949,985	3,658,664	4,473,279	2,928,880
190	200	186	189	200	185
12.51	12.37	13.03	12.39	12.33	12.83
3.87	3.93	3.56	3.85	3.88	3.57
7.92	8.05	8.07	8.63	8.69	8.90
74.82	74.77	74.48	74.25	74.23	73.84
0.88	0.88	0.87	0.87	0.87	0.87
28.44	28.43	28.40	28.36	28.36	28.31
2	2	2	2	2	2
14.3	17.1	10.4	13.9	17.2	10.4
5	5	5	5	5	5
13.3	15.8	9.6	12.9	15.9	9.6
2	2	2	2	2	2
8.7	10.4	6.3	8.5	10.5	6.3
1	1	1	1	1	1
2.5	3	1.9	2.5	3	1.9
8.5	9.9	8	8.2	10	8
21.7	25.1	16.4	21.1	25.3	16.3

US EPA ARCHIVE DOCUMENT

.0, 0.0302% n-C4H10, 0.0100% i-C5H12, 0.0069% n-C5H12, 0.0090% n-C6H14, 0.0065% n-C7H16,

d in terms of methane (CH4).

red and is being transmitted per customer request specifically for information purposes only.
ctly the customer's responsibility. Siemens is available to review permit application data upon request.

CASE 2	CASE 3	CASE 4	CASE 5	CASE 6	CASE 7
75	Shaft Limit	MLEC	75	Shaft Limit	MLEC
2x1	2x1	2x1	2x1	2x1	2x1
New and Clean	New and Clean	New and Clean	New and Clean	New and Clean	New and Clean
45	45	60	60	60	75
45	45	70	70	70	70
14.656	14.656	14.656	14.656	14.656	14.656
Gas	Gas	Gas	Gas	Gas	Gas
20,961	20,961	20,961	20,961	20,961	20,961
See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]
60	60	60	60	60	60
0.9	0.9	0.9	0.9	0.9	0.9
60	60	60	60	60	60
-	-	-	-	-	-
OFF	OFF	OFF	OFF	OFF	OFF
OFF	OFF	OFF	OFF	OFF	OFF
1.21	1.40	1.21	1.21	1.40	1.23
566,900	678,600	379,500	550,900	683,600	381,900
6,300	6,010	6,885	6,310	6,005	6,840
7,025	6,701	7,677	7,036	6,696	7,627
7,500	7,900	7,100	7,500	7,900	7,200
374,000	461,700	228,700	359,200	461,700	228,800

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200,400	224,800	157,900	199,200	229,800	160,300

us SIEMENS provided plant auxiliary loads that support
›n Pumps, Condensate Recirculation Pumps and

icable in Btu/hr on a lower heating value (LHV) basis,

l to the actual test uncertainty.
)-01.
4, 2.815% C2H6, 0.1817% C3H8, 0.0302% nC4H10,
:8H18, 0.010% iC5H12, 0.7101% CO2,

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

CASE 8	CASE 9	CASE 10	CASE 11	CASE 12	CASE 13
2x1	2x1	2x1	2x1	2x1	2x1
Natural Gas	Natural Gas	Natural Gas	Natural Gas	Natural Gas	Natural Gas
75	Base	Base	Base	Min. Load	75
20,961	20,961	20,961	20,961	20,961	20,961
23,250	23,250	23,250	23,250	23,250	23,250
OFF	OFF	ON	ON	OFF	OFF
OFF	OFF	OFF	ON	OFF	OFF
75	75	75	75	95	95
70	70	70	70	60	60
14.656	14.656	14.656	14.656	14.656	14.656
79,943	97,812	98,784	98,772	62,254	75,151
-	-	-	10,009	-	-
3,538,531	4,532,962	4,530,005	4,540,014	2,899,472	3,348,961
189	204	204	196	192	195
12.27	12.30	12.17	11.37	12.51	12.11
3.83	3.82	3.85	4.22	3.60	3.79
9.39	9.36	9.65	10.36	10.18	10.54
73.65	73.66	73.46	73.18	72.85	72.71
0.86	0.86	0.86	0.86	0.85	0.85
28.28	28.28	28.25	28.21	28.17	28.15
2	2	2	2	2	2
13.5	17.2	17.3	19.1	10.4	12.6
5	5	5	5	5	5
12.5	15.9	16	17.7	9.6	11.7
2	2	2	2	2	2
8.2	10.5	10.6	11.6	6.4	7.7
1	1	1	2	1	1
2.4	3	3.1	5.5	1.9	2.2
8	10.1	10.1	12.5	8	8
20.4	25.3	25.5	29.5	16.1	19.1

US EPA ARCHIVE DOCUMENT

CASE 8	CASE 9	CASE 10	CASE 11	CASE 12	CASE 13
75	Base	Base	Base	MLEC	75
2x1	2x1	2x1	2x1	2x1	2x1
New and Clean	New and Clean	New and Clean	New and Clean	New and Clean	New and Clean
75	75	75	75	95	95
70	70	70	70	60	60
14.656	14.656	14.656	14.656	14.656	14.656
Gas	Gas	Gas	Gas	Gas	Gas
20,961	20,961	20,961	20,961	20,961	20,961
See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]
60	60	60	60	60	60
0.9	0.9	0.9	0.9	0.9	0.9
60	60	60	60	60	60
-	-	-	-	-	-
OFF	OFF	ON	ON	OFF	OFF
OFF	OFF	OFF	ON	OFF	OFF
1.41	1.68	1.68	2.03	2.01	2.28
528,600	680,000	687,900	739,100	379,600	485,800
6,340	6,030	6,020	**6,170**	6,875	6,485
7,069	6,723	6,712	**6,880**	7,666	7,231
7,500	8,000	8,000	8,600	7,100	7,400
340,100	453,500	461,700	461,700	228,800	308,900

196,000	234,500	234,200	286,000	157,900	184,300

US EPA ARCHIVE DOCUMENT

CASE 14	CASE 15	CASE 16	CASE 17	CASE 18	CASE 19
2x1	2x1	2x1	2x1	2x1	2x1
Natural Gas	Natural Gas	Natural Gas	Natural Gas	Natural Gas	Natural Gas
Base	Base	Base	Min. Load	75	Shaft Limit
20,961	20,961	20,961	20,961	20,961	20,961
23,250	23,250	23,250	23,250	23,250	23,250
OFF	ON	ON	OFF	OFF	OFF
OFF	OFF	ON	OFF	OFF	OFF
95	95	95	15	15	15
60	60	60	45	45	45
14.656	14.656	14.656	14.656	14.656	14.656
91,374	95,315	95,356	62,880	85,254	97,213
-	-	6,899	-	-	-
4,243,843	4,381,438	4,388,337	2,992,607	3,760,775	4,295,493
208	211	206	191	193	198
12.10	11.95	11.38	13.28	12.57	12.23
3.79	3.82	4.08	3.55	3.87	4.03
10.55	10.99	11.49	6.98	7.61	7.91
72.71	72.39	72.20	75.32	75.07	74.95
0.85	0.85	0.85	0.88	0.88	0.88
28.15	28.10	28.07	28.52	28.48	28.46
2	2	2	2	2	2
16	16.7	17.9	10.4	14.3	17.1
5	5	5	5	5	5
14.8	15.5	16.6	9.7	13.3	15.8
2	2	2	2	2	2
9.8	10.2	10.9	6.4	8.7	10.4
1	1	1	1	1	1
2.8	3	4.4	1.9	2.5	3
9.4	9.6	11.3	8	8.5	9.7
23.6	24.5	27.3	16.6	21.8	24.8

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

CASE 14	CASE 15	CASE 16	CASE 17	CASE 18	CASE 19
Base	Base	Base	MLEC	75	Shaft Limit
2x1	2x1	2x1	2x1	2x1	2x1
New and Clean	New and Clean	New and Clean	New and Clean	New and Clean	New and Clean
95	95	95	15	15	15
60	60	60	45	45	45
14.656	14.656	14.656	14.656	14.656	14.656
Gas	Gas	Gas	Gas	Gas	Gas
20,961	20,961	20,961	20,961	20,961	20,961
See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]
60	60	60	60	60	60
0.9	0.9	0.9	0.9	0.9	0.9
60	60	60	60	60	60
-	-	-	-	-	-
OFF	ON	ON	OFF	OFF	OFF
OFF	OFF	ON	OFF	OFF	OFF
2.70	2.77	3.15	1.21	1.21	1.33
625,900	654,500	689,200	373,900	561,500	673,600
6,120	6,105	6,220	7,050	6,365	6,050
6,824	6,807	6,935	7,861	7,097	6,746
7,800	7,800	8,300	7,100	7,500	7,800
411,900	436,300	436,300	228,700	374,000	461,700

221,800	226,000	261,200	152,300	195,000	219,700

US EPA ARCHIVE DOCUMENT

CASE 20	CASE 21	CASE 22	CASE 23	CASE 24	CASE 25	CASE 26
1x1	1x1	1x1	1x1	1x1	1x1	1x1
Natural Gas	Natural Gas	Natural Gas	Natural Gas	Natural Gas	Natural Gas	Natural Gas
Min. Load	75	Shaft Limit	Min. Load	75	Shaft Limit	Min. Load
20,961	20,961	20,961	20,961	20,961	20,961	20,961
23,250	23,250	23,250	23,250	23,250	23,250	23,250
OFF	OFF	OFF	OFF	OFF	OFF	OFF
OFF	OFF	OFF	OFF	OFF	OFF	OFF
45	45	45	60	60	60	75
45	45	45	70	70	70	70
14.656	14.656	14.656	14.656	14.656	14.656	14.656
62,425	85,185	97,277	62,302	82,906	97,864	62,285
-	-	-	-	-	-	-
2,971,040	3,752,739	4,399,506	2,949,985	3,658,664	4,473,279	2,928,879
185	188	193	183	186	194	182
13.21	12.51	12.37	13.03	12.39	12.33	12.83
3.55	3.87	3.93	3.56	3.85	3.88	3.57
7.30	7.92	8.05	8.07	8.63	8.69	8.90
75.07	74.82	74.77	74.48	74.25	74.23	73.84
0.88	0.88	0.88	0.87	0.87	0.87	0.87
28.48	28.44	28.43	28.40	28.36	28.36	28.31
2	2	2	2	2	2	2
10.4	14.3	17.1	10.4	13.9	17.2	10.4
5	5	5	5	5	5	5
9.6	13.3	15.8	9.6	12.9	15.9	9.6
2	2	2	2	2	2	2
6.3	8.7	10.4	6.3	8.5	10.5	6.3
1	1	1	1	1	1	1
1.9	2.5	3	1.9	2.5	3	1.9
8	8.5	9.9	8	8.2	10	8
16.4	21.7	25.1	16.3	21.1	25.3	16.3

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

CASE 20	CASE 21	CASE 22	CASE 23	CASE 24	CASE 25	CASE 26
MLEC	75	Shaft Limit	MLEC	75	Shaft Limit	MLEC
1x1	1x1	1x1	1x1	1x1	1x1	1x1
New and Clean	New and Clean	New and Clean	New and Clean	New and Clean	New and Clean	New and Clean
45	45	45	60	60	60	75
45	45	45	70	70	70	70
14.656	14.656	14.656	14.656	14.656	14.656	14.656
Gas	Gas	Gas	Gas	Gas	Gas	Gas
20,961	20,961	20,961	20,961	20,961	20,961	20,961
See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]
60	60	60	60	60	60	60
0.9	0.9	0.9	0.9	0.9	0.9	0.9
60	60	60	60	60	60	60
-	-	-	-	-	-	-
OFF	OFF	OFF	OFF	OFF	OFF	OFF
OFF	OFF	OFF	OFF	OFF	OFF	OFF
1.21	1.21	1.21	1.21	1.21	1.21	1.21
177,300	272,600	330,200	178,400	264,700	333,000	179,700
7,380	6,550	6,175	7,320	6,565	6,160	7,265
8,229	7,303	6,885	8,162	7,320	6,868	8,100
3,600	3,900	4,000	3,600	3,900	4,000	3,700
114,300	187,000	230,800	114,300	179,600	230,800	114,400

66,600	89,500	103,400	67,700	89,000	106,200	69,000

US EPA ARCHIVE DOCUMENT

CASE 27	CASE 28	CASE 29	CASE 30	CASE 31	CASE 32	CASE 33
1x1	1x1	1x1	1x1	1x1	1x1	1x1
Natural Gas	Natural Gas	Natural Gas	Natural Gas	Natural Gas	Natural Gas	Natural Gas
75	Base	Base	Base	Min. Load	75	Base
20,961	20,961	20,961	20,961	20,961	20,961	20,961
23,250	23,250	23,250	23,250	23,250	23,250	23,250
OFF	OFF	ON	OFF	OFF	OFF	OFF
OFF	OFF	OFF	ON	OFF	OFF	OFF
75	75	75	15	95	95	95
70	70	70	45	60	60	60
14.656	14.656	14.656	14.656	14.656	14.656	14.656
79,947	97,837	98,796	98,819	62,226	75,180	91,351
-	-	-	8,460	-	-	-
3,538,531	4,532,962	4,530,005	4,538,466	2,899,471	3,348,960	4,243,843
184	191	194	178	182	184	194
12.27	12.30	12.17	11.50	12.51	12.11	12.10
3.83	3.82	3.85	4.16	3.60	3.79	3.79
9.39	9.36	9.65	10.25	10.18	10.54	10.55
73.65	73.66	73.46	73.22	72.85	72.71	72.71
0.86	0.86	0.86	0.86	0.85	0.85	0.85
28.28	28.28	28.25	28.21	28.17	28.15	28.15
2	2	2	2	2	2	2
13.5	17.2	17.3	18.8	10.4	12.6	16
5	5	5	5	5	5	5
12.5	15.9	16	17.4	9.6	11.7	14.8
2	2	2	2	2	2	2
8.2	10.5	10.6	11.5	6.4	7.7	9.8
1	1	1	2	1	1	1
2.4	3	3.1	5	1.9	2.2	2.8
8	10.1	10.1	12.1	8	8	9.4
20.4	25.3	25.5	28.9	16.1	19.1	23.6

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

CASE 27	CASE 28	CASE 29	CASE 30	CASE 31	CASE 32	CASE 33
75	Base	Base	Base	MLEC	75	Base
1x1	1x1	1x1	1x1	1x1	1x1	1x1
New and Clean	New and Clean	New and Clean	New and Clean	New and Clean	New and Clean	New and Clean
75	75	75	75	95	95	95
70	70	70	70	60	60	60
14.656	14.656	14.656	14.656	14.656	14.656	14.656
Gas	Gas	Gas	Gas	Gas	Gas	Gas
20,961	20,961	20,961	20,961	20,961	20,961	20,961
See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]
60	60	60	60	60	60	60
0.9	0.9	0.9	0.9	0.9	0.9	0.9
60	60	60	60	60	60	60
-	-	-	-	-	-	-
OFF	OFF	ON	ON	OFF	OFF	OFF
OFF	OFF	OFF	ON	OFF	OFF	OFF
1.21	1.21	1.21	1.21	1.36	1.45	1.59
253,900	332,100	335,900	385,100	180,400	233,800	304,900
6,600	6,175	6,165	6,300	7,230	6,740	6,280
7,359	6,885	6,874	7,025	8,061	7,515	7,002
3,800	4,100	4,000	4,600	3,700	3,800	4,100
170,000	226,700	230,800	230,800	114,400	154,400	205,900

87,700	109,500	109,100	158,900	69,700	83,200	103,100

US EPA ARCHIVE DOCUMENT

CASE 34	CASE 35	CASE 36	CASE 37	CASE 38	CASE 39
1x1	1x1	1x1	1x1	1x1	2X1
Natural Gas	Natural Gas	Natural Gas	Natural Gas	Natural Gas	Natural Gas
Base	Base	MEC	75	Shaft Limit	Shaft Limit
20,961	20,961	20,961	20,961	20,961	20,961
23,250	23,250	23,250	23,250	23,250	23,250
ON	OFF	OFF	OFF	OFF	OFF
OFF	ON	OFF	OFF	OFF	ON
95	15	15	15	15	15
60	45	45	45	45	45
14.656	14.656	14.656	14.656	14.656	14.656
95,328	95,337	62,832	85,243	97,214	97,213
-	8,909	-	-	-	12,159
4,381,438	4,390,348	2,992,605	3,760,775	4,295,493	4,307,653
196	181	187	190	188	185
11.95	11.21	13.28	12.57	12.23	11.20
3.82	4.16	3.55	3.87	4.03	4.50
10.99	11.64	6.98	7.61	7.91	8.84
72.39	72.14	75.32	75.07	74.95	74.59
0.85	0.85	0.88	0.88	0.88	0.87
28.10	28.06	28.52	28.48	28.46	28.40
2	2	2	2	2	2
16.7	18.3	10.4	14.3	17.1	19.2
5	5	5	5	5	5
15.5	16.9	9.7	13.3	15.8	17.8
2	2	2	2	2	2
10.2	11.1	6.4	8.7	10.4	11.7
1	2	1	1	1	2
3	5.1	1.9	2.5	3	6.2
9.6	11.8	8	8.5	9.7	12.7
24.5	28.1	16.6	21.8	24.8	29.7

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

CASE 34	CASE 35	CASE 36	CASE 37	CASE 38	CASE 39
Base	Base	MLEC	75	Shaft Limit	Shaft Limit
1x1	1x1	1x1	1x1	1x1	2x1
New and Clean	New and Clean	New and Clean	New and Clean	New and Clean	New and Clean
95	95	15	15	15	15
60	60	45	45	45	45
14.656	14.656	14.656	14.656	14.656	14.656
Gas	Gas	Gas	Gas	Gas	Gas
20,961	20,961	20,961	20,961	20,961	20,961
See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]	See note [5&6]
60	60	60	60	60	60
0.9	0.9	0.9	0.9	0.9	0.9
60	60	60	60	60	60
-	-	-	-	-	-
ON	ON	OFF	OFF	OFF	OFF
OFF	ON	OFF	OFF	OFF	ON
1.61	1.91	1.21	1.21	1.21	1.32
319,700	368,900	175,600	269,900	327,600	736,300
6,250	6,430	7,500	6,620	6,220	6,225
6,969	7,169	8,363	7,381	6,935	6,941
4,100	4,600	3,600	3,800	4,000	8,600
218,100	218,100	114,300	187,000	230,800	461,700

105,700	155,400	64,900	86,700	100,800	283,100

US EPA ARCHIVE DOCUMENT

CASE 40	CASE 41
2X1	2X1
Natural Gas	Natural Gas
Shaft Limit	Shaft Limit
20,961	20,961
23,250	23,250
OFF	OFF
ON	ON
45	60
45	70
14.656	14.656
97,287	97,922
11,594	10,956
4,411,100	4,484,235
187	192
11.41	11.44
4.37	4.29
8.91	9.48
74.44	73.92
0.87	0.87
28.38	28.31
2	2
19.1	19.1
5	5
17.7	17.7
2	2
11.6	11.6
2	2
6	5.8
12.7	12.7
29.7	29.7

US EPA ARCHIVE DOCUMENT

US EPA ARCHIVE DOCUMENT

CASE 40	CASE 41
Shaft Limit	Shaft Limit
2x1	2x1
New and Clean	New and Clean
45	60
45	70
14.656	14.656
Gas	Gas
20,961	20,961
See note [5&6]	See note [5&6]
60	60
0.9	0.9
60	60
-	-
OFF	OFF
ON	ON
1.34	1.73
738,300	740,100
6,180	6,165
6,891	6,874
8,600	8,600
461,700	461,700

285,000 286,900

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