

Specifications

C30

C65

C200

C600

C800

C1000

MT MODEL

		METRIC		U.S. STANDARD		METRIC		U.S. STANDARD		METRIC		U.S. STANDARD		METRIC		U.S. STANDARD	
ELECTRICAL PERFORMANCE:																	
ELECTRICAL POWER OUTPUT:	HP	30 kW	30 kW	65 kW	65 kW	200 kW	200 kW	600 kW	600 kW	800 kW	800 kW	1,000 kW	1,000 kW				
	LP	28 kW	28 kW	-	-	190 kW	190 kW	570 kW	570 kW	760 kW	760 kW	950 kW	950 kW				
	L1Q	29 kW	29 kW	65 kW	65 kW	200 kW	200 kW	600 kW	600 kW	800 kW	800 kW	1000 kW	1000 kW				
ELECTRICAL EFFICIENCY (LHV)	HP	26%	26%	29%	29%	33%	33%	33%	33%	33%	33%	33%	33%				
	LP	25%	25%	-	-	31%	31%	31%	31%	31%	31%	31%	31%				
	L1Q	25%	25%	29%	29%	33%	33%	33%	33%	33%	33%	33%	33%				
NOMINAL VOLTAGE		400-480 VAC	400-480 VAC	400-480 VAC	400-480 VAC	400-480 VAC	400-480 VAC	400-480 VAC	400-480 VAC	400-480 VAC	400-480 VAC	400-480 VAC	400-480 VAC				
NOMINAL FREQUENCY		50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz				
MAXIMUM OUTPUT RATED CURRENT		46 A	46 A	100 A	100 A	310 A	310 A	930 A	930 A	1240 A	1240 A	1550 A	1550 A				
ELECTRICAL CONNECTION		3 φ, 4 WIRE	3 φ, 4 WIRE	3 φ, 4 WIRE	3 φ, 4 WIRE	3 φ, 4 WIRE	3 φ, 4 WIRE	3 φ, 4 WIRE	3 φ, 4 WIRE	3 φ, 4 WIRE	3 φ, 4 WIRE	3 φ, 4 WIRE	3 φ, 4 WIRE				
KVA OUTPUT (480V):	GC	30 kVA	30 kVA	65 kVA	65 kVA	200 kVA	200 kVA	600 kVA	600 kVA	800 kVA	800 kVA	1000 kVA	1000 kVA				
	DM	38.2 kVA	38.2 kVA	83 kVA	83 kVA	258 kVA	258 kVA	774 kVA	774 kVA	1032 kVA	1032 kVA	1290 kVA	1290 kVA				
FUELS:																	
LANDFILL GAS (LF)		13.0-22.3 MJ/m ³	350-600 BTU/ft ³	13.0-22.3 MJ/m ³	350-600 BTU/ft ³	13.0-22.3 MJ/m ³	350-600 BTU/ft ³	13.0-22.3 MJ/m ³	350-600 BTU/ft ³	13.0-22.3 MJ/m ³	350-600 BTU/ft ³	13.0-22.3 MJ/m ³	350-600 BTU/ft ³				
DIGESTER GAS (DG)		20.5-32.6 MJ/m ³	550-875 BTU/ft ³	20.5-32.6 MJ/m ³	550-875 BTU/ft ³	20.5-32.6 MJ/m ³	550-875 BTU/ft ³	20.5-32.6 MJ/m ³	550-875 BTU/ft ³	20.5-32.6 MJ/m ³	550-875 BTU/ft ³	20.5-32.6 MJ/m ³	550-875 BTU/ft ³				
HIGH PRESSURE NATURAL GAS (HPNG)		30.7-47.5 MJ/m ³	825-1275 BTU/ft ³	30.7-47.5 MJ/m ³	825-1275 BTU/ft ³	30.7-47.5 MJ/m ³	825-1275 BTU/ft ³	30.7-47.5 MJ/m ³	825-1275 BTU/ft ³	30.7-47.5 MJ/m ³	825-1275 BTU/ft ³	30.7-47.5 MJ/m ³	825-1275 BTU/ft ³				
LOW PRESSURE NATURAL GAS (LPNG)		30.7-47.5 MJ/m ³	825-1275 BTU/ft ³	30.7-47.5 MJ/m ³	825-1275 BTU/ft ³	30.7-47.5 MJ/m ³	825-1275 BTU/ft ³	30.7-47.5 MJ/m ³	825-1275 BTU/ft ³	30.7-47.5 MJ/m ³	825-1275 BTU/ft ³	30.7-47.5 MJ/m ³	825-1275 BTU/ft ³				
PROPANE HD-5 (PROP)		91.3-95.0 MJ/m ³	2450-2550 BTU/ft ³	91.3-95.0 MJ/m ³	2450-2550 BTU/ft ³	91.3-95.0 MJ/m ³	2450-2550 BTU/ft ³	91.3-95.0 MJ/m ³	2450-2550 BTU/ft ³	91.3-95.0 MJ/m ³	2450-2550 BTU/ft ³	91.3-95.0 MJ/m ³	2450-2550 BTU/ft ³				
LIQUID PETROLEUM GAS (LPG)		-	-	-	-	-	-	-	-	-	-	-	-				
LIQUID FUELS:																	
	DIESEL no. 1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
	DIESEL no. 2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
	KEROSENE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
	JP-5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
	JP-8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
	JET A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
FUEL CHARACTERISTICS: (HPNG)																	
NOMINAL FUEL FLOW (HHV)		457 MJ/hr	433,000 BTU/hr	888 MJ/hr	842,000 BTU/hr	2,400 MJ/hr	2,280,000 BTU/hr	7,200 MJ/hr	6,840,000 BTU/hr	9,600 MJ/hr	9,120,000 BTU/hr	12,000 MJ/hr	11,400,000 BTU/hr				
NOMINAL NET HEAT RATE (LHV)		13.8 MJ/kWh	13,100 BTU/kWh	12.4 MJ/kWh	11,800 BTU/kWh	10.9 MJ/kWh	10,300 BTU/kWh	10.9 MJ/kWh	10,300 BTU/kWh	10.9 MJ/kWh	10,300 BTU/kWh	10.9 MJ/kWh	10,300 BTU/kWh				
EXHAUST CHARACTERISTICS: (HPNG)																	
EXHAUST GAS FLOW		0.31 kg/s	0.69 lbm/s	0.49 kg/s	1.08 lbm/s	1.3 kg/s	2.9 lbm/s	4 kg/s	8.8 lbm/s	5.3 kg/s	11.7 lbm/s	6.7 kg/s	14.7 lbm/s				
EXHAUST GAS TEMPERATURE		275 °C	530 °F	309 °C	588 °F	280 °C	535 °F	280 °C	535 °F	280 °C	535 °F	280 °C	535 °F				
EXHAUST ENERGY RATE		327 MJ/hr	310,000 BTU/hr	591 MJ/hr	561,000 BTU/hr	1,420 MJ/hr	1,350,000 BTU/hr	4,260 MJ/hr	4,050,000 BTU/hr	5,680 MJ/hr	5,400,000 BTU/hr	7,100 MJ/hr	6,750,000 BTU/hr				
MAXIMUM ALLOWABLE BACKPRESSURE		14.9 mmHg	8" WC	14.9 mmHg	8" WC	14.9 mmHg	8" WC	14.9 mmHg	8" WC	14.9 mmHg	8" WC	14.9 mmHg	8" WC				
NOx EMISSION @15% O2		18 mg/m ³	9 ppemv	19 mg/m ³	9 ppemv	18 mg/m ³	9 ppemv	18 mg/m ³	9 ppemv	18 mg/m ³	9 ppemv	18 mg/m ³	9 ppemv				
WEIGHTS:																	
LOW PRESSURE	GC	405 kg	891 lbs	948 kg	2,091 lbs	3,048 kg	6,720 lbs	13,245 kg	29,200 lbs	15,558 kg	34,300 lbs	18,008 kg	39,700 lbs				
	DM	578 kg	1,271 lbs	1,310 kg	2,891 lbs	3,685 kg	8,125 lbs	15,694 kg	34,600 lbs	18,824 kg	41,500 lbs	22,090 kg	48,700 lbs				
HIGH PRESSURE	GC	405 kg	891 lbs	758 kg	1,671 lbs	2,776 kg	6,120 lbs	12,565 kg	27,700 lbs	14,651 kg	32,300 lbs	16,874 kg	37,200 lbs				
	DM	578 kg	1,271 lbs	1,121 kg	2,471 lbs	3,413 kg	7,525 lbs	15,014 kg	33,100 lbs	17,917 kg	39,500 lbs	20,956 kg	46,200 lbs				
HIGH PRESSURE ICHP PKG	GC	-	-	998 kg	2,200 lbs	-	-	-	-	-	-	-	-				
	DM	-	-	1,364 kg	3,000 lbs	-	-	-	-	-	-	-	-				
HIGH PRESSURE LOW EMISSION	GC	-	-	849 kg	1,871 lbs	2,776 kg	6,120 lbs	12,565 kg	27,700 lbs	14,651 kg	32,300 lbs	16,874 kg	37,200 lbs				
	DM	-	-	1,212 kg	2,671 lbs	3,413 kg	7,525 lbs	15,014 kg	33,100 lbs	17,917 kg	39,500 lbs	20,956 kg	46,200 lbs				
HIGH PRESSURE LOW EMISSION ICHP	GC	-	-	1,089 kg	2,400 lbs	-	-	-	-	-	-	-	-				
	DM	-	-	1,451 kg	3,200 lbs	-	-	-	-	-	-	-	-				
LIQUID	GC	405 kg	891 lbs	758 kg	1,671 lbs	2,776 kg	6,120 lbs	12,565 kg	27,700 lbs	14,651 kg	32,300 lbs	16,874 kg	37,200 lbs				
	DM	578 kg	1,271 lbs	1,121 kg	2,471 lbs	3,413 kg	7,525 lbs	15,014 kg	33,100 lbs	17,917 kg	39,500 lbs	20,956 kg	46,200 lbs				
LIQUID ICHP	GC	-	-	998 kg	2,200 lbs	-	-	-	-	-	-	-	-				
	DM	-	-	1,364 kg	3,000 lbs	-	-	-	-	-	-	-	-				
DIMENSIONS:																	
LOW PRESSURE (W x D x H)		1.8m	71in	-	-	2.5m	98in	2.9m	114in	2.9m	114in	2.9m	114in				
HIGH PRESSURE (W x D x H)		1.8m	71in	1.9m	75in	2.5m	98in	2.9m	114in	2.9m	114in	2.9m	114in				
HIGH PRESSURE ICHP (W x D x H)		-	-	2.4m	93in	-	-	-	-	-	-	-	-				
HIGH PRESSURE LOW EMISSION (W x D x H)		-	-	2.2m	85in	2.5m	98in	2.9m	114in	2.9m	114in	2.9m	114in				
LOW EMISSION ICHP (W x D x H)		-	-	2.6m	103in	-	-	-	-	-	-	-	-				
LIQUID (W x D x H)		1.8m	71in	2.4m	93in	2.5m	98in	2.9m	114in	2.9m	114in	2.9m	114in				
LIQUID ICHP PKG (W x D x H)		-	-	2.4m	93in	-	-	-	-	-	-	-	-				
HEAT RECOVERY OPTION:																	
COMBINED HEATING AND POWER (CHP)		-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
TOTAL SYSTEM EFFICIENCY		Note 3	Note 3	up to 80%	up to 80%	up to 80%	up to 80%	Note 3	Note 3	Note 3	Note 3	Note 3	Note 3				
CERTIFICATIONS:																	
CARB		-	-	LG/DG/NG/OP/KG	LG/DG/NG/OP/KG	LG/DG/NG	LG/DG/NG	-	-	-	-	-	-				
UL 2200		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
UL 1741		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
CE		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
RULE 50 (NYC)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
CID2 HAZARDOUS AREA		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
C122/ATEX HAZARDOUS AREA		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
ENVIRONMENTAL:																	
OPERATING TEMPERATURE		-20 to 50°C	-4 to 122°F	-20 to 50°C	-4 to 122°F	-20 to 50°C	-4 to 122°F	-20 to 50°C	-4 to 122°F	-20 to 50°C	-4 to 122°F	-20 to 50°C	-4 to 122°F				
STORAGE TEMPERATURE		-40 to 65°C	-40 to 149°F	-40 to 65°C	-40 to 149°F	-40 to 65°C	-40 to 149°F	-40 to 65°C	-40 to 149°F	-40 to 65°C	-40 to 149°F	-40 to 65°C	-40 to 149°F				
SOUND LEVELS		65 dBA	65 dBA	70 dBA	70 dBA	65 dBA	65 dBA	65 dBA	65 dBA	65 dBA	65 dBA	65 dBA	65 dBA				
SOUND LEVELS w/ACOUSTIC HOOD		-	-	65 dBA	65 dBA	-	-	-	-	-	-	-	-				
HIGH HUMIDITY OPTION		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
HIGH HUMIDITY OFFSHORE OPTION		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
LPG/PROP HEAT TRACING		-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓				