TAYLOR POWER SYSTEMS®

STREAMLINE

RESIDENTIAL & SMALL BUSINESS STANDBY GENERATORS

40kW - 150kW

Your Complete Generator Solution

www.taylorpower.com

TAYLOR
POWER SYSTEMS

Residential & Small Business
GENERATORS
a more efficient and refined generator option

The Streamline Series...

is a new line specifically built to reach those customers who are seeking a more efficient and refined generator option. These units are “streamlined” in that they offer specialized options and customer centric features. Intuitive design reduces manufacturing time throughout the process without compromising our stringent standards for durability and reliability. As a result, the cost to the customer is drastically lowered and manufacturing lead time is substantially reduced.

Features that will stand out and aid in identifying any Streamline Series generator are their unique color options, Taylor Power logo, and liftoff doors. The Streamline enclosures are available in two colors, jet black with a laser cut logo embossed onto a red background or neutral clay with a black background. Lift off doors are provided to facilitate installation in congested areas while maintaining serviceability. The Streamline concept does not stop at the factory. Provisions are made for the installing contractor to easily access tie points to secure to a slab, and provisions are made to supply customer connections for remote start, remote annunciator, generator running and common alarm.

The STREAMLINE Series is currently available Natural Gas/LP models ranging from the 40kW to 150kW.

For information on Taylor Power Systems visit: www.taylorpower.com or www.taylorsuddenservice.com

Standard Features:

1. Powder Coating: Black or Clay
2. Heavy Duty Steel Base
3. Vibration Isolators
4. Battery Rack & Cables
5. High Ambient Radiator
6. Isochronous Governor
7. One Step Load Acceptance
8. NFPA-110 Level 1 Compliant
9. Unit Mounted Emergency Stop Block Heater
10. Battery Charger
11. Factory Load Test
12. Owner’s Manual
13. Two Year Warranty

Optional Accessories:

- Main Line Circuit Breaker
- Breaker Shunt Trip & Auxiliary Contacts
- Flush or Surface Mount Remote Annunciator
- Remote Mount Break Glass E-Stop Switch
- Automatic Transfer Switch

TAYLOR POWER SYSTEMS®

STREAMLINE

AUTOMATIC STANDBY GENERATORS

TGS40

EPA Certified / Stationary Emergency

Alternator Data

Manufacturer	Stamford
Type	PMG
Insulation NEMA Rise/Temp	NEMA H/125°C
Hertz	60
Phase	3 & 1
RPM	1800
Leads	12
Amortisseur Windings	Full
CFM Cooling Required	1308
Voltage Regulator	595
Sensing	Single Phase
Voltage Regulation, No Load - Full Load	1.0%

OUTPUT POWER OPTIONS					Natural Gas 125°CStandby		LP Vapor 125°CStandby		sKVA
Make	Voltage	Alternator	Phase	Hertz	kW/kVA	Amps	kW/kVA	Amps	30% Volt. Dip
Stamford	277/480	UCI224D311	3	60	40/50	60	40/50	60	182
	120/208	UCI224D311	3	60	40/50	139	40/50	139	136
	120/240	UCI224D311	3	60	40/50	120	40/50	120	136
	120/240	UCI224D311	1	60	40/40	167	40/40	167	96

DynaGen TOUGH Series® TG410 Controller

- Meets NFPA-110 Level 1 (with RA400 Remote Annunciator)
- Oil pressure, engine temperature, fuel level, oil level, hour meter, RPM, real time clock, and battery voltage metering
- 3-Phase AC volts, amps & frequency metering
- J1939 DTC codes with custom text
- SAE J1939 CAN Bus Protocol
- Speed control offset adjustment for electronic engines
- Modbus port with galvanic isolation to connect remote annunciators and internet monitoring devices
- Auto start on Low Battery and other inputs
- Front panel trim feature for sensor adjustment
- UL Recognized

ALTERNATOR FEATURES:

- BS EN 60034, BS5000, VDE 0530, NEMA MG1-32, IEC34, CSA C22.2-
- 100, and AS1359 complaint
- IP23 enclosure
- Dynamically balanced to exceed BS6861:Part 1 Grade 2.5 vibration standard
- Quality assurance to BS EN ISO 9001
- Self-ventilated and drip proof construction
- Two-thirds pitch stator & skewed rotor
- Heavy duty bearings
- Overexcitation protection
- Under frequency protection
- Analog input
- Overvoltage protection
- Paralleling compatible
- Single-phase sensing

RA400 Remote Annunciator

- NFPA-110, NFPA 99 & CSA 282-00 compliant
- Genset wiring up to 2800 feet
- 20 Lamp Indicator for Warnings, Status, and Failures
- 2 User configurable lamps
- Extra switched inputs for Genset Start/Stop
- Surface or flush-mounting
- 12VDC or 24DVC power input; optional 120VAC power supply available

General Guidelines for Deration: Altitude: Derate 0.5% per 100m (328 ft.) Elevation above 1000m (3279 ft.) Temperature: Derate 1.0% per 10°C (18°F) temperature above 25°C (77°F)
Ratings: All three-phase units are rated at 0.8 power factor. All single-phase units are rated at 1.0 power factor.
125° Ratings: 125° apply to installations served by a reliable utility source. The standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability for this rating. Ratings are in accordance with ISO-3046/1, BS 5514, AS 2789, and DIN 6271.
105° Ratings: 105° ratings apply to installations where utility power in unavailable or unreliable. At varying load the number of generator set operating hours is unlimited. A 10% overload capacity is available for one hour in twelve. Ratings are in accordance with ISO-8528/1, overload power in accordance with ISO-3046/1, BS5514, AS2789, and DIN 6271. For limited running time and base load ratings consult the factory. The generator set manufacturer reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever.

Application and Engineering Data

Engine Data

Manufacturer		GM
Model		4.3L
Aspiration		Natural Aspiration
Arrangement		V-6, 4-Cycle
Firing Order		1-6-5-4-3-2
Displacement:	*L (in.³)*	4.3 (262)
Bore:	*mm (in.)*	101.6 (4.00)
Stroke:	*mm (in.)*	88.0 (3.48)
Compression Ratio		9.05:1
Gross Horsepower:	*Natural Gas* *LP Vapor*	66.45 71.39
Rated RPM		1800
Governor		Isochronous
Speed Regulation		±0.5%

Engine Liquid Capacity

Oil system:	*qt. (L)*	4.5 (4.25)
Cooling System Capacity:	*gal (L)*	1.92 (7.3)

Engine Electrical

Electric Volts:	*DC*	12
Cold Cracking Amps		650
Battery(s) Required		1

Fuel System

Fuel Type		NG or LP Vapor
Fuel Supply Inlet:		1.5" NPT
Fuel Supply Pressure:	*in. H_2O (kPa)*	7-11 (1.74-2.74)

Filters Quantity

Air Cleaner Quantity	1
Oil Filter(s) Quantity	1

Air Requirements

Air Filter(s) Type		Dry
Air Flow:	*CFM (m^3/min)*	5,000 (142)
Max Air Intake Restriction:		
Clean	*in. H_2O (kPa)*	3.00 (1.49)
Dirty	*in. H_2O (kPa)*	13.00 (3.24)
Combustion Air:	*CFM (m^3/min)*	112.10 (3.17)

Exhaust System

Gas Temperature:	*°F (°C)*	1200 (649)
Gas Flow:	*CFM (m^3/min)*	361.9 (10.3)
Max Exhaust Back Pressure:	*in. H_2O (kPa)*	40.9 (10.2)
Exhaust Outlet Size:	*in. (mm)*	3.0 (76)

Cooling System

Heat Rejection to Ambient:	*kW (BTUM)*	16.0 (910)
Heat Rejection to Coolant:	*kW (BTUM)*	39.2 (2230)
Coolant Flow:	*gpm (Lpm)*	28 (106)

Fuel Consumption NG - 130°C

At 100% of Power Rating:	*CFH (m^3/hr)*	584 (16.5)
At 75% of Power Rating:	*CFH (m^3/hr)*	486 (13.8)
At 50% of Power Rating:	*CFH (m^3/hr)*	360 (10.2)
At 25% of Power Rating:	*CFH (m^3/hr)*	272 (7.7)

Fuel Consumption LP - 130°C

At 100% of Power Rating:	*CFH (m^3/hr)*	242 (6.9)
At 75% of Power Rating:	*CFH (m^3/hr)*	191 (5.4)
At 50% of Power Rating:	*CFH (m^3/hr)*	141 (4.0)
At 25% of Power Rating:	*CFH (m^3/hr)*	101 (2.9)

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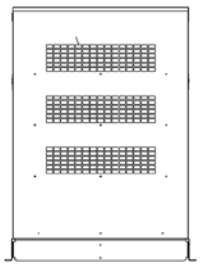

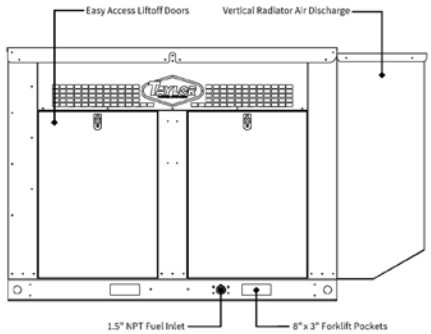

Sound Attenuated Enclosed Unit
OVERALL SIZE: 94"L x 46"W x 54"H

Note: Dimensions and weights reflect standard enclosed unit with no options and are subject to change.

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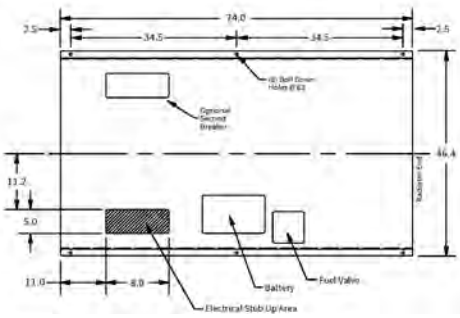

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TAYLOR POWER SYSTEMS®

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AUTOMATIC STANDBY GENERATORS

TGS60

EPA Certified / Stationary Emergency

Alternator Data

Manufacturer	Stamford
Type	PMG
Insulation NEMA Rise/Temp	NEMA H/125°C
Hertz	60
Phase	3
RPM	1800
Leads	12
Amortisseur Windings	Full
CFM Cooling Required	1308
Voltage Regulator	595
Sensing	Single Phase
Voltage Regulation, No Load - Full Load	1.0%

OUTPUT POWER OPTIONS					Natural Gas 125°CStandby		LP Vapor 125°CStandby		sKVA
Make	Voltage	Alternator	Phase	Hertz	kW/kVA	Amps	kW/kVA	Amps	30% Volt. Dip
Stamford	277/480	UCI224F311	3	60	60/75	90	60/75	90	257
	120/208	UCI224F311	3	60	60/75	208	60/75	208	194
	120/240	UCI224F311	3	60	60/75	181	60/75	181	194
	120/240	UCI224F06	1	60	60/60	250	60/60	250	168

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- 3-Phase AC volts, amps & frequency metering
- J1939 DTC codes with custom text
- SAE J1939 CAN Bus Protocol
- Speed control offset adjustment for electronic engines
- Modbus port with galvanic isolation to connect remote annunciators and internet monitoring devices
- Auto start on Low Battery and other inputs
- Front panel trim feature for sensor adjustment
- UL Recognized

ALTERNATOR FEATURES:

- BS EN 60034, BS5000, VDE 0530, NEMA MG1-32, IEC34, CSA C22.2-
- 100, and AS1359 complaint
- IP23 enclosure
- Dynamically balanced to exceed BS6861:Part 1 Grade 2.5 vibration standard
- Quality assurance to BS EN ISO 9001
- Self-ventilated and drip proof construction
- Two-thirds pitch stator & skewed rotor
- Heavy duty bearings
- Overexcitation protection
- Under frequency protection
- Analog input
- Overvoltage protection
- Paralleling compatible
- Single-phase sensing

RA400 Remote Annunciator

- NFPA-110, NFPA 99 & CSA 282-00 compliant
- Genset wiring up to 2800 feet
- 20 Lamp Indicator for Warnings, Status, and Failures
- 2 User configurable lamps
- Extra switched inputs for Genset Start/Stop
- Surface or flush-mounting
- 12VDC or 24DVC power input; optional 120VAC power supply available

General Guidelines for Deration: Altitude: Derate 0.5% per 100m (328 ft.) Elevation above 1000m (3279 ft.) Temperature: Derate 1.0% per 10°C (18°F) temperature above 25°C (77°F)
Ratings: All three-phase units are rated at 0.8 power factor. All single-phase units are rated at 1.0 power factor.
125° Ratings: 125° apply to installations served by a reliable utility source. The standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability for this rating. Ratings are in accordance with ISO-3046/1, BS 5514, AS 2789, and DIN 6271.
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Application and Engineering Data

Engine Data

Manufacturer		GM
Model		5.7L
Aspiration		Natural Aspiration
Arrangement		V-8, 4-Cycle
Firing Order		1-8-4-3-6-5-7-2
Displacement:	*L (in.³)*	5.7 (350)
Bore:	*mm (in.)*	101.6 (4.00)
Stroke:	*mm (in.)*	88.4 (3.48)
Compression Ratio		9.1:1
Gross Horsepower:	*Natural Gas* *LP Vapor*	104.7 113.2
Rated RPM		1800
Governor		Isochronous
Speed Regulation		±0.5%

Engine Liquid Capacity

Oil system:	*qt. (L)*	5.0 (4.7)
Cooling System Capacity:	*gal (L)*	2.1 (7.8)

Engine Electrical

Electric Volts:	*DC*	12
Cold Cracking Amps		650
Battery(s) Required		1

Fuel System

Fuel Type		NG or LP Vapor
Fuel Supply Inlet:		1.5” NPT
Fuel Supply Pressure:	*in. H_2O (kPa)*	7-11 (1.74-2.74)

Filters Quantity

Air Cleaner Quantity	1
Oil Filter(s) Quantity	1

Air Requirements

Air Filter(s) Type		Dry
Air Flow:	*CFM (m^3/min)*	6,000 (170)
Max Air Intake Restriction:		
Clean	*in. H_2O (kPa)*	3.00 (1.49)
Dirty	*in. H_2O (kPa)*	13.00 (3.24)
Combustion Air:	*CFM (m^3/min)*	173.0 (4.9)

Exhaust System

Gas Temperature:	*°F (°C)*	1200 (649)
Gas Flow:	*CFM (m^3/min)*	552.7 (15.82)
Max Exhaust Back Pressure:	*in. H_2O (kPa)*	40.9 (10.2)
Exhaust Outlet Size:	*in. (mm)*	3.0 (76)

Cooling System

Heat Rejection to Ambient:	*kW (BTUM)*	30.9 (1760)
Heat Rejection to Coolant:	*kW (BTUM)*	54.8 (3120)
Coolant Flow:	*gpm (Lpm)*	31 (117.3)

Fuel Consumption NG - 130°C

At 100% of Power Rating:	*CFH (m^3/hr)*	790 (22.4)
At 75% of Power Rating:	*CFH (m^3/hr)*	685 (19.4)
At 50% of Power Rating:	*CFH (m^3/hr)*	520 (14.7)
At 25% of Power Rating:	*CFH (m^3/hr)*	350 (9.9)

Fuel Consumption LP - 130°C

At 100% of Power Rating:	*CFH (m^3/hr)*	330 (9.3)
At 75% of Power Rating:	*CFH (m^3/hr)*	250 (7.1)
At 50% of Power Rating:	*CFH (m^3/hr)*	190 (5.4)
At 25% of Power Rating:	*CFH (m^3/hr)*	135 (3.8)

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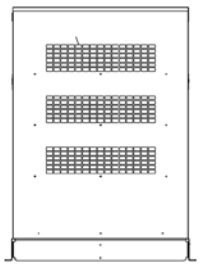

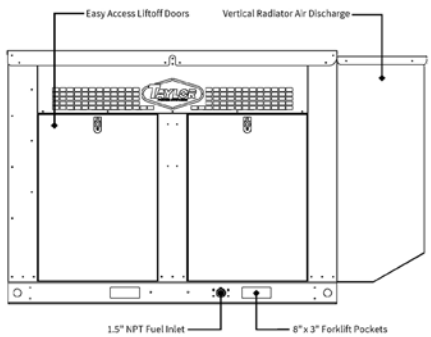

Sound Attenuated Enclosed Unit
OVERALL SIZE: 114"L x 53"W x 69"H

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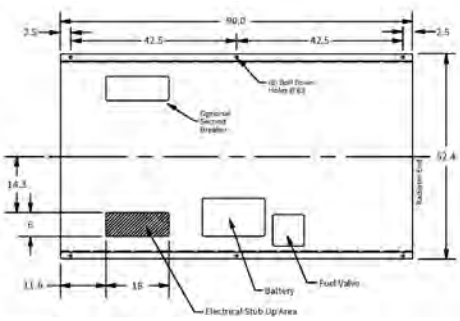

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AUTOMATIC STANDBY GENERATORS

TGS80

EPA Certified / Stationary Emergency

Alternator Data

Manufacturer	Stamford
Type	PMG
Insulation NEMA Rise/Temp	NEMA H/125°C
Hertz	60
Phase	3 & 1
RPM	1800
Leads	12 & 4
Amortisseur Windings	Full
CFM Cooling Required	1308
Voltage Regulator	595
Sensing	Single Phase
Voltage Regulation, No Load - Full Load	1.0%

OUTPUT POWER OPTIONS					Natural Gas 125°CStandby		sKVA
Make	Voltage	Alternator	Phase	Hertz	kW/kVA	Amps	30% Volt. Dip
Stamford	277/480	UCI274C311	3	60	80/100	120	257
	120/208	UCI274C311	3	60	80/100	278	194
	120/240	UCI274C311	3	60	80/100	241	194
	120/240	UCI274C06	1	60	80/80	333	168

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Aspiration		Natural Aspiration
Arrangement		V-8, 4-Cycle
Firing Order		1-8-4-3-6-5-7-2
Displacement:	*L (in.³)*	5.7 (350)
Bore:	*mm (in.)*	101.6 (4.00)
Stroke:	*mm (in.)*	88.4 (3.48)
Compression Ratio		9.1:1
Gross Horsepower:	*Natural Gas*	124.7
Rated RPM		1800
Governor		Isochronous
Speed Regulation		±0.5%

Engine Liquid Capacity

Oil system:	*qt. (L)*	5.0 (4.7)
Cooling System Capacity:	*gal (L)*	2.1 (7.8)

Engine Electrical

Electric Volts:	*DC*	12
Cold Cracking Amps		650
Battery(s) Required		1

Fuel System

Fuel Type		NG or LP Vapor
Fuel Supply Inlet:		1.5” NPT
Fuel Supply Pressure:	*in. H_2O (kPa)*	7-11 (1.74-2.74)

Filters Quantity

Air Cleaner Quantity	1
Oil Filter(s) Quantity	1

Air Requirements

Air Filter(s) Type		Dry
Air Flow:	*CFM (m^3/min)*	5,500 (156)
Max Air Intake Restriction:		
Clean	*in. H_2O (kPa)*	3.00 (1.49)
Dirty	*in. H_2O (kPa)*	13.00 (3.24)
Combustion Air:	*CFM (m^3/min)*	243.7 (6.9)

Exhaust System

Gas Temperature:	*°F (°C)*	1200 (649)
Gas Flow:	*CFM (m^3/min)*	786.9 (22.3)
Max Exhaust Back Pressure:	*in. H_2O (kPa)*	40.9 (10.2)

Cooling System

Heat Rejection to Ambient:	*kW (BTUM)*	47 (2700)
Heat Rejection to Coolant:	*kW (BTUM)*	62 (3540)
Coolant Flow:	*gpm (Lpm)*	38 (144)

Fuel Consumption NG

At 100% of Power Rating:	*CFH (m^3/hr)*	1185 (33.6)
At 75% of Power Rating:	*CFH (m^3/hr)*	981 (27.8)
At 50% of Power Rating:	*CFH (m^3/hr)*	777 (22.0)
At 25% of Power Rating:	*CFH (m^3/hr)*	573 (16.2)

MADE IN THE USA

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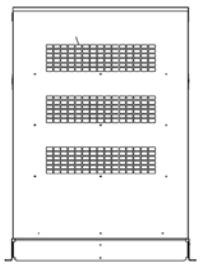

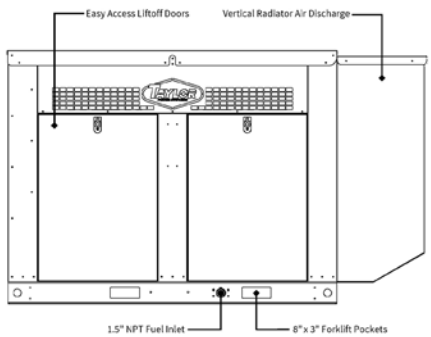

Sound Attenuated Enclosed Unit

OVERALL SIZE: 114”L x 53”W x 69”H

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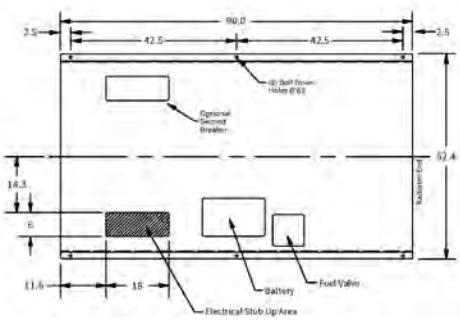

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STREAMLINE

AUTOMATIC STANDBY GENERATORS

TGS100

EPA Certified / Stationary Emergency

Alternator Data

Manufacturer	Stamford
Type	PMG
Insulation NEMA Rise/Temp	NEMA H/125°C
Hertz	60
Phase	3 & 1
RPM	1800
Leads	12 & 4
Amortisseur Windings	Full
CFM Cooling Required	1308
Voltage Regulator	MX341
Sensing	Single Phase
Voltage Regulation, No Load - Full Load	1.0%

OUTPUT POWER OPTIONS					Natural Gas 125°CStandby		LP Vapor 125°CStandby		sKVA
Make	Voltage	Alternator	Phase	Hertz	kW/kVA	Amps	kW/kVA	Amps	30% Volt. Dip
Stamford	277/480	UCI274D311	3	60	100/125	151	80/100	120	520
	120/208	UCI274D311	3	60	100/125	347	80/100	278	406
	120/240	UCI274D311	3	60	100/125	301	80/100	241	406
	120/240	UCI274D06	1	60	100/100	417	80/80	333	358

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- Meets NFPA-110 Level 1 (with RA400 Remote Annunciator)
- Oil pressure, engine temperature, fuel level, oil level, hour meter, RPM, real time clock, and battery voltage metering
- 3-Phase AC volts, amps & frequency metering
- J1939 DTC codes with custom text
- SAE J1939 CAN Bus Protocol
- Speed control offset adjustment for electronic engines
- Modbus port with galvanic isolation to connect remote annunciators and internet monitoring devices
- Auto start on Low Battery and other inputs
- Front panel trim feature for sensor adjustment
- UL Recognized

ALTERNATOR FEATURES:

- BS EN 60034, BS5000, VDE 0530, NEMA MG1-32, IEC34, CSA C22.2-
- 100, and AS1359 complaint
- IP23 enclosure
- Dynamically balanced to exceed BS6861:Part 1 Grade 2.5 vibration standard
- Quality assurance to BS EN ISO 9001
- Self-ventilated and drip proof construction
- Two-thirds pitch stator & skewed rotor
- Heavy duty bearings
- Overexcitation protection
- Under frequency protection
- Analog input
- Overvoltage protection
- Paralleling compatible
- Single-phase sensing

RA400 Remote Annunciator

- NFPA-110, NFPA 99 & CSA 282-00 compliant
- Genset wiring up to 2800 feet
- 20 Lamp Indicator for Warnings, Status, and Failures
- 2 User configurable lamps
- Extra switched inputs for Genset Start/Stop
- Surface or flush-mounting
- 12VDC or 24DVC power input; optional 120VAC power supply available

General Guidelines for Deration: Altitude: Derate 0.5% per 100m (328 ft.) Elevation above 1000m (3279 ft.) Temperature: Derate 1.0% per 10°C (18°F) temperature above 25°C (77°F)
Ratings: All three-phase units are rated at 0.8 power factor. All single-phase units are rated at 1.0 power factor.
125° Ratings: 125° apply to installations served by a reliable utility source. The standby rating is applicable to varying loads for the duration of a power outage. There is no overload capability for this rating. Ratings are in accordance with ISO-3046/1, BS 5514, AS 2789, and DIN 6271.
105° Ratings: 105° ratings apply to installations where utility power in unavailable or unreliable. At varying load the number of generator set operating hours is unlimited. A 10% overload capacity is available for one hour in twelve. Ratings are in accordance with ISO-8528/1, overload power in accordance with ISO-3046/1, BS5514, AS2789, and DIN 6271. For limited running time and base load ratings consult the factory. The generator set manufacturer reserves the right to change the design or specifications without notice and without any obligation or liability whatsoever.

Application and Engineering Data

Engine Data

Manufacturer		GM
Model		5.7L
Aspiration		Turbocharged & Aftercooled
Arrangement		V-8, 4-Cycle
Firing Order		1-8-4-3-6-5-7-2
Displacement:	*L (in.³)*	5.7 (350)
Bore:	*mm (in.)*	101.6 (4.00)
Stroke:	*mm (in.)*	88.4 (3.48)
Compression Ratio		9.1:1
Gross Horsepower:	*Natural Gas* *LP Vapor*	160.9 149.1
Rated RPM		1800
Governor		Isochronous
Speed Regulation		±0.5%

Engine Liquid Capacity

Oil system:	*qt. (L)*	5.0 (4.7)
Cooling System Capacity:	*gal (L)*	2.1 (7.8)

Engine Electrical

Electric Volts:	*DC*	12
Cold Cracking Amps		650
Battery(s) Required		1

Fuel System

Fuel Type		NG or LP Vapor
Fuel Supply Inlet:		1.5” NPT
Fuel Supply Pressure:	*in. H_2O (kPa)*	7-11 (1.74-2.74)

Filters Quantity

Air Cleaner Quantity	1
Oil Filter(s) Quantity	1

Air Requirements

Air Filter(s) Type		Dry
Air Flow:	*CFM (m^3/min)*	5,500 (156)
Max Air Intake Restriction:		
Clean	*in. H_2O (kPa)*	3.00 (1.49)
Dirty	*in. H_2O (kPa)*	13.00 (3.24)
Combustion Air:	*CFM (m^3/min)*	262.0 (7.4)

Exhaust System

Gas Temperature:	*°F (°C)*	1200 (649)
Gas Flow:	*CFM (m^3/min)*	845.9 (24.0)
Max Exhaust Back Pressure:	*in. H_2O (kPa)*	40.9 (10.2)

Cooling System

Heat Rejection to Ambient:	*kW (BTUM)*	47 (2700)
Heat Rejection to Coolant:	*kW (BTUM)*	62 (3540)
Coolant Flow:	*gpm (Lpm)*	38 (144)

Fuel Consumption NG - 130°C

At 100% of Power Rating:	*CFH (m^3/hr)*	1389 (39.9)
At 75% of Power Rating:	*CFH (m^3/hr)*	1134 (32.1)
At 50% of Power Rating:	*CFH (m^3/hr)*	879 (24.9)
At 25% of Power Rating:	*CFH (m^3/hr)*	624 (17.7)

Fuel Consumption LP - 130°C

At 100% of Power Rating:	*CFH (m^3/hr)*	538 (15.2)
At 75% of Power Rating:	*CFH (m^3/hr)*	436 (12.3)
At 50% of Power Rating:	*CFH (m^3/hr)*	334 (9.5)
At 25% of Power Rating:	*CFH (m^3/hr)*	232 (6.6)

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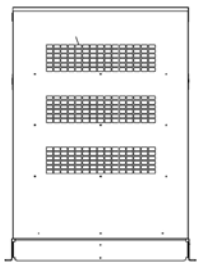
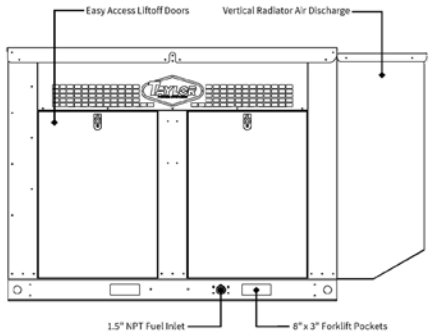
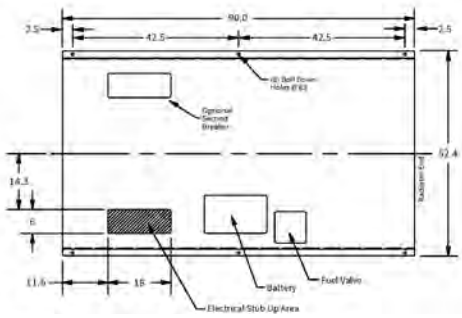




Sound Attenuated Enclosed Unit
OVERALL SIZE: 114”L x 53”W x 69”H

Note: Dimensions and weights reflect standard enclosed unit with no options and are subject to change.

Note: The above drawings are provided for reference only and should not be used for planning installation.



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TAYLOR POWER SYSTEMS®

STREAMLINE

AUTOMATIC STANDBY GENERATORS

TGS150

EPA Certified / Stationary Emergency

Alternator Data

Manufacturer	Stamford
Type	PMG
Insulation NEMA Rise/Temp	NEMA H/125°C
Hertz	60
Phase	3 & 1
RPM	1800
Leads	12 & 4
Amortisseur Windings	Full
CFM Cooling Required	1308
Voltage Regulator	MX341
Sensing	Single Phase
Voltage Regulation, No Load - Full Load	1.0%

OUTPUT POWER OPTIONS					Natural Gas 125°CStandby		LP Vapor 125°CStandby		sKVA
Make	Voltage	Alternator	Phase	Hertz	kW/kVA	Amps	kW/kVA	Amps	30% Volt. Dip
Stamford	277/480	UCI274G311	3	60	150/188	226	137/171	206	730
	120/208	UCI274G311	3	60	150/188	521	137/171	476	575
	120/240	UCI274G311	3	60	150/188	452	137/171	412	575
	120/240	UCI274G06	1	60	150/150	625	137/137	571	510

DynaGen TOUGH Series® TG410 Controller

- Meets NFPA-110 Level 1 (with RA400 Remote Annunciator)
- Oil pressure, engine temperature, fuel level, oil level, hour meter, RPM, real time clock, and battery voltage metering
- 3-Phase AC volts, amps & frequency metering
- J1939 DTC codes with custom text
- SAE J1939 CAN Bus Protocol
- Speed control offset adjustment for electronic engines
- Modbus port with galvanic isolation to connect remote annunciators and internet monitoring devices
- Auto start on Low Battery and other inputs
- Front panel trim feature for sensor adjustment
- UL Recognized

ALTERNATOR FEATURES:

- BS EN 60034, BS5000, VDE 0530, NEMA MG1-32, IEC34, CSA C22.2-
- 100, and AS1359 complaint
- IP23 enclosure
- Dynamically balanced to exceed BS6861:Part 1 Grade 2.5 vibration standard
- Quality assurance to BS EN ISO 9001
- Self-ventilated and drip proof construction
- Two-thirds pitch stator & skewed rotor
- Heavy duty bearings
- Overexcitation protection
- Under frequency protection
- Analog input
- Overvoltage protection
- Paralleling compatible
- Single-phase sensing

RA400 Remote Annunciator

- NFPA-110, NFPA 99 & CSA 282-00 compliant
- Genset wiring up to 2800 feet
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Application and Engineering Data

Engine Data

Manufacturer		GM
Model		8.8L
Aspiration		Turbocharged
Arrangement		V-8, 4-Cycle
Firing Order		1-8-7-2-6-5-4-3
Displacement:	*L (in.³)*	8.8 (535)
Bore:	*mm (in.)*	110.5 (4.35)
Stroke:	*mm (in.)*	114.3 (4.50)
Compression Ratio		10.1:1
Gross Horsepower:	*Natural Gas* *LP Vapor*	261.5 230.1
Rated RPM		1800
Governor		Isochronous
Speed Regulation		±0.5%

Engine Liquid Capacity

Oil system:	*qt. (L)*	7.57 (8.00)
Cooling System Capacity:	*gal (L)*	3.62 (13.7)

Engine Electrical

Electric Volts:	*DC*	12
Cold Cracking Amps		650
Battery(s) Required		1

Fuel System

Fuel Type		NG or LP Vapor
Fuel Supply Inlet:		1.5” NPT
Fuel Supply Pressure:	*in. H_2O (kPa)*	7-11 (1.74-2.74)

Filters Quantity

Air Cleaner Quantity	1
Oil Filter(s) Quantity	1

Air Requirements

Air Filter(s) Type		Dry
Air Flow:	*CFM (m³/min)*	12,000 (340)
Max Air Intake Restriction:		
Clean	*in. H_2O (kPa)*	3.00 (1.49)
Dirty	*in. H_2O (kPa)*	13.00 (3.24)
Combustion Air:	*CFM (m³/min)*	364.6 (10.3)

Exhaust System

Gas Temperature:	*°F (°C)*	1200 (649)
Gas Flow:	*CFM (m³/min)*	1177.5 (33.3)
Max Exhaust Back Pressure:	*in. H_2O (kPa)*	40.9 (10.2)

Cooling System

Heat Rejection to Ambient:	*kW (BTUM)*	24.9 (1476)
Heat Rejection to Coolant:	*kW (BTUM)*	88 (5021)
Coolant Flow:	*gpm (Lpm)*	33 (125)

Fuel Consumption NG - 130°C

At 100% of Power Rating:	*CFH (m³/hr)*	1965 (55.7)
At 75% of Power Rating:	*CFH (m³/hr)*	1529 (43.3)
At 50% of Power Rating:	*CFH (m³/hr)*	1102 (31.2)
At 25% of Power Rating:	*CFH (m³/hr)*	688 (19.5)

Fuel Consumption LP - 130°C

At 100% of Power Rating:	*CFH (m³/hr)*	713 (20.2)
At 75% of Power Rating:	*CFH (m³/hr)*	547 (15.5)
At 50% of Power Rating:	*CFH (m³/hr)*	399 (11.3)
At 25% of Power Rating:	*CFH (m³/hr)*	254 (7.2)

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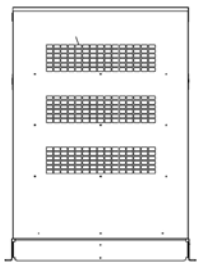

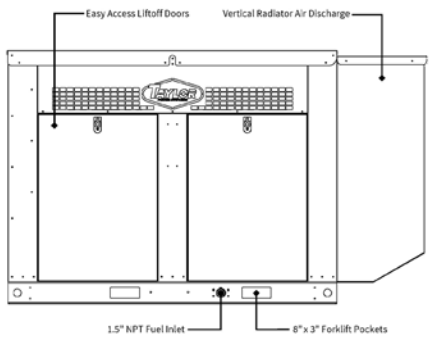

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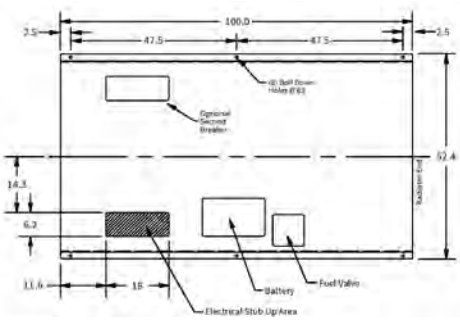

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TAYLOR
SUDDEN SERVICE

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PARTS, SERVICE, REPAIR & RENTAL

Storms Will Happen

BE PREPARED

5 Things you can do to keep your generator running.

1. Run Generator With A Load At Least Once A Month
2. Clean Generator As Needed
3. Change Oil, Filter, Air Filter & Spark Plugs
4. Check Battery Condition & Fuel Filter
5. Add Fuel Stabilizer If Stored For Long Term

(always follow manufacturer recommendations)

Contact us for more information about our services.

- **Preventative Maintenance Agreement**

  Basic Service - performed annually includes:
  - 40+ Point Inspection
  - Full system testing
  - Oil change and filter
  - Fuel filter change (only for diesel applications)
  - Coolant testing and treatment if radiator cooled

  Full Service – performed every third year includes:
  - All Basic Service items plus
  - Replacement of belts, hoses, battery, coolant, and air filter

  Optional Services:
  - Load Bank Testing, Megger Testing, Infrared Camera Testing, Vibration Testing, Rental Unit During Scheduled Service

- **Diesel Fuel & Tank Cleaning Service**

  Fuel Sampling, Testing & Analysis
  Fuel & Tank Cleaning
  Fuel Maintenance