



## Sales Quote

Quote: TPS-Q-33785-1  
Date: February 5, 2025  
User: Todd Johnston



## Taylor Power TD400 Select Series 400kW Diesel Generator



**EPA Certified / Stationary Emergency**

OUTPUT POWER OPTIONS					125°C RISE STANDBY RATING		105°C RISE CONTINUOUS RATING		sKVA
Make	Voltage	Alternator	Phase	Hertz	kW/kVA	Amps	kW/kVA	Amps	30% Voltage Dip
Marathon	600	433PSL6248	3	60	400/500	482	360/450	434	1380
	277/480	433CSL6220	3	60	400/500	602	360/450	542	1469
	120/208	433CSL6220	3	60	400/500	1390	360/450	1251	1103
	120/240	433CSL6220	3	60	400/500	1204	360/450	1084	1103
	120/240	433CSL6220	1	60	241/241	1004	220/220	917	430
Stamford	600	HCI534C17	3	60	400/500	482	360/450	434	1310
	277/480	HCI534C311	3	60	400/500	602	360/450	542	1480
	120/208	HCI534C311	3	60	400/500	1390	360/450	1251	1145
	120/240	HCI534C311	3	60	400/500	1204	360/450	1084	1145
	120/240	HCI534C311	1	60	210/210	875	190/190	792	770
Stamford	277/480	HCI534D311	3	60	410/513	617	363/454	546	1750
	120/208	HCI534D311	3	60	410/513	1424	363/454	1261	1390
	120/240	HCI534D311	3	60	410/513	1234	363/454	1093	1390
	120/240	HCI534D311	1	60	230/230	958	208/208	867	930



**Engine Data**

Manufacturer	Perkins
Model	2206D-E13TAG3
Aspiration	Turbocharged
EPA Tier	3
Charge Air Cooling System	Air-to-Air
Arrangement	Vertical Inline, 4-Cycle
Firing Order	1-5-3-6-2-4
Displacement: L (in. <sup>3</sup> )	15.20 (927.56)
Bore: mm (in.)	130.00 (5.12)
Stroke: mm (in.)	157.00 (6.18)
Compression Ratio	16.3:1
BMEP: psi (kPa)	314.88 (2171.00)
Net Horsepower	583.03
Rated RPM	1800
Governor	Isochronous
Speed Regulation	±0.25%

**Engine Liquid Capacity**

Oil System: qt. (L)	42.27 (40.00)
Cooling System Capacity: gal (L)	13.58 (51.40)

**Engine Electrical**

Electric Volts: DC	24
Cold Cranking Amps	1100
Battery(s) Required	2

**Fuel System**

Fuel Injection Type	MEUI
Fuel Pump Rate: gal/hr (L/hr)	158.50 (600.00)
Pump Pressure: in. H <sub>2</sub> O (kPa)	2492.23 (621.00)
Max Suction Head: ft (m)	9.84 (3.00)
Pump Max Pressure Head: ft (m)	13.12 (4.00)
Max Fuel Inlet Temp.: °F (°C)	131.00 (55.00)
Recommended Fuel	Low Sulfur Diesel

**Air Requirements**

Air Filter(s) Type	Dry
Combustion Air Flow: CFM (m <sup>3</sup> /min)	1052.4 (29.8)
Maximum Air Intake Restriction	
Clean: in. H <sub>2</sub> O (kPa)	10.03 (2.50)
Dirty: in. H <sub>2</sub> O (kPa)	25.69 (6.40)

**Exhaust System**

Gas Temperature: °F (°C)	1256 (680)
Gas Flow: CFM (m <sup>3</sup> /min)	3044.1 (86.2)
Max Exhaust Back Pressure: in. H <sub>2</sub> O (kPa)	40.13 (10.00)
Exhaust Outlet Size: in. (mm)	4.84 (123.00)

**Sound Level**

Open Unit Without Exhaust: dBA 3.2 ft (1M)	104.6
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**Filters and Quantity**

Air Cleaner Quantity	1
Oil Filter(s) Quantity	1
Fuel Filter(s) Quantity	2

**Fuel Consumption - 125°C**

At 100% of Power Rating: gal/hr (L/hr)	27.74 (105.00)
At 75% of Power Rating: gal/hr (L/hr)	N/A
At 50% of Power Rating: gal/hr (L/hr)	N/A
At 25% of Power Rating: gal/hr (L/hr)	N/A

**Fuel Consumption - 105°C**

At 100% of Power Rating: gal/hr (L/hr)	24.83 (94.00)
At 75% of Power Rating: gal/hr (L/hr)	19.29 (73.00)
At 50% of Power Rating: gal/hr (L/hr)	13.74 (52.00)
At 25% of Power Rating: gal/hr (L/hr)	N/A

**Cooling System**

Rejection to Charge Cooler: kW (BTUM)	76.6 (4356.2)
Rejection to Coolant & Oil: kW (BTUM)	155.8 (8860.2)
Coolant Flow: gal/min (L/min)	106.2 (402.0)

**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 is 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.

## Alternator Data

Manufacturer	Marathon	
Type	PMG	
Insulation NEMA Rise/Temp	NEMA N/125°C	
Hertz	60	
Phase	3	
RPM	1800	
Leads	12	
Amortisseur Windings	Full	
CFM Cooling Required	800	
Voltage Regulator	DVR2000E+	PM500
Sensing	Three Phase	Three Phase
Voltage Regulation	0.25%	0.25%

## Features

- NEMA MG1-32, BS5000, and IEC 34-1 compliant; CE & CSA Certified and UL Listed
- Self-ventilated and drip proof construction
- Two-thirds pitch stator and skewed rotor
- Wet wound, epoxied field windings
- Designed to withstand overspeeds of up to 125%
- Hybrid analog/digital voltage regulator
- Under frequency protection
- Under frequency indication light
- Less than one cycle response time
- Over excitation protection
- Over excitation indication light
- Easy access front-panel adjustments
- Over voltage protection shutdown
- Analog input for paralleling

## 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	2780	
Voltage Regulator	MX341	MX321
Sensing	Single Phase	Three Phase
Voltage Regulation	1.0%	0.50%

## 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 and skewed rotor
- Heavy duty bearings
- Fully guarded
- Overexcitation protection
- Under frequency protection
- Analog input
- Overvoltage protection
- Paralleling compatible



## DGC2020 Digital Controller

- Integrated engine-genset control, protection, and metering
- Microprocessor allows for exact measurement, setpoint adjustment, and timing functions
- Front panel 3 position controls and indicators enable quick and simple operation
- Emergency stop push button and an Alarm Horn with silence button
- A wide temperature-range liquid crystal display (LCD) with backlighting
- SAE J1939 Engine ECU communications
- Remote RS-485 communications for Optional RDP-110 Remote Annunciator
- 4 programmable contact inputs and 10 contact outputs (2 ADC rated)
- Modbus Communications with RS-485, Battery Backup for Real Time Clock, UL recognized, CSA certified, CE approved, HALT (Highly Accelerated Life Tests) tested
- IP 54 Front Panel rating with integrated gasket and NFPA 110 Level 1 Compatible.
- Manual Override Keyswitch



## Analog Controller with Emergency Bypass Key Switch

- Automatic CANBUS Engine Control
- Oil Pressure, Water Temperature, Battery Voltage and RPM Gauges
- Automatic Gauge Zeroing on Shutdown
- AC Voltage, Frequency, Percent of Load, and Run-Time Metering
- 3-Position Auto-Off-Manual Control Switch
- LED Status Lights: Low Oil Pressure, High Temperature, Overcrank, Overspeed, & Engine Start



**Standard Features:**

**Warranty**

2 Year Standard
5 Year Comprehensive

- Heavy Duty Steel Base
- Vibration Isolators
- Oil Drain Valve with Extension
- Battery Rack & Cables
- High Ambient Unit Mounted Radiator
- Battery Charging Alternator
- Factory Powder Coating
- Factory Test
- Owner's Manual

**Controller Options**

DGC-2020HD Controller
Fiber Optic Ethernet (DGC-2020HD)
RS-232 Port & Generator Protection (DGC-2020)
Flush or Surface Mount Remote Annunciator
Remote Mount Break Glass E-Stop Switch

**Miscellaneous Options:**

- Battery Charger
- Coolant Drain Kit
- Block Heater
- Line Circuit Breaker
- Pad Type Battery Heater
- Battery Heater Blanket w/Thermostat
- Oil Pan Heater
- Generator Strip Heater

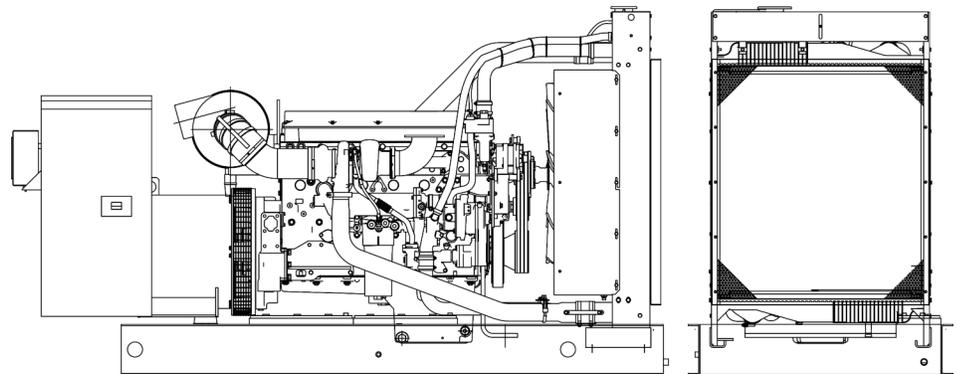
**Open Unit**

**Options:**

- Radiator Duct Flange
- Flex Exhaust
- Critical Silencer
- Sub-Base Fuel Tank

OVERALL SIZE: 130"L x 53"W x 78"H  
 Approximate Weight: 6,770 lbs.

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



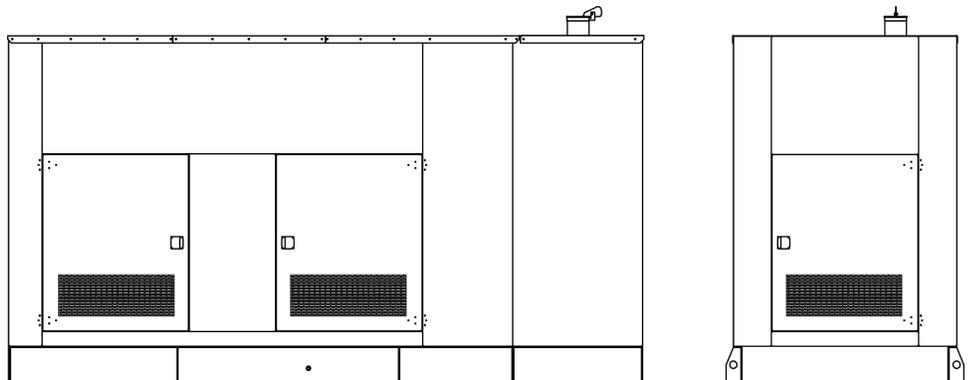
**Standard Enclosed Unit**

**Options:**

- Sound Attenuated Enclosure
- Load Center, Lights & GFI Receptacle
- Sub-Base Fuel Tank

OVERALL SIZE: 176"L x 66"W x 94"H  
 Approximate Weight: 9,200 lbs.

*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.**

**Contact your local distributor for more information.**



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Table with contact information for estimator Grand Panama, including phone, email (toddj@taylorpower.com), and terms (Due Upon Receipt).

Taylor Model: TD400 Select Series

Rated: 400kW Diesel, EPA Stationary Standby, 120/208V Three Phase, 60 Hz

Quantity: 1 Gensets

Unit Features

Perkins Engine

- Perkins 2206D-E13TAG3 Engine, 50°C Ambient Radiator, Electronic Isochronous Governor with 0.25% Frequency Regulation

Stamford Alternator

- Stamford HCI534C311, 12 Lead, Class H Insulation, MX321, w/PMG, 0.5% AVR, 3 Phase Sensing, w/Strip Heater

Basler DGC2020 Controller

- DGC2020 Control Panel, integrated engine-genset control, protection, and metering. Front panel controls and indicators, wide temperature-range liquid crystal display (LCD) with backlighting. Includes a manual override bypass key switch allowing manual starting of the generator in the event of control systems failure.
Surface Mount RDP-110C Remote Annunciator (Shipped Loose)
Remote Mount Break Glass E-Stop Switch (Shipped Loose)

Wide Skid Base

Integral Vibration Isolators between Engine/Alternator and Base, Oil Drain Kit, Coolant Drain Kit, Lube Oil & Antifreeze (Initial Fill), Battery Rack & Cables

208V, 4000W Block Heater

(2) 12V Lead Acid Battery, 1100CCA

SENS NRG Battery Charger, 10A-12V/24V, & 208-240V, Float & Equalize, LCD DC Ammeter & Voltmeter, LED Indicator, NFPA 110 Contacts

Standard Wind Rated Aluminum Enclosure w/Internal Critical Silencer

- Heavy Duty 14 Ga. Aluminum, Lockable Doors, Stainless Steel Hinges & Hardware, Powder Coat Finish
186 MPH Rated; Maximum 61 psf Lateral & 96 psf Uplift Pressure

524 Gallon UL142 Closed Top Dike Base Tank

- Emergency & Normal Vents (Internal), Low Fuel Level & Fuel in Basin Switch, Mechanical Fuel Level Gauge, Fuel Level Sender, Manual Fill w/Locking Cap, 19 Hours at 100% Load, Dimensions: 176"L x 66"W x 22"H

Eaton 1200AF/1000AT, 100% Rated, 3 Pole, Electronic Trip (LSI), Frame 5 Circuit Breaker

- Interrupting Rating: 85 kAIC
Lug Size: (4) 4/0-500 MCM (Cu/Al)
Auxiliary Contacts - 1 NO/NC

Eaton 400AF/400AT, 100% Rated, 3 Pole, Electronic Trip (LSI), Frame 3 Circuit Breaker

- Interrupting Rating: 35 kAIC



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- Lug Size: (2) 3/0 - 250 MCM (Cu/Al)
- Auxiliary Contacts - 1 NO/NC

**One Hour Factory Load Bank Test, (1) Electronic O&M Manual, Certified to UL2200 & Standard 2 Year Standby Limited Warranty**

**Freight Included to Site; Offloading by Others.**

**Start Up Included. One Trip; 2 Hour Resistive Load Bank. Installation to be Performed by Third Party.**

**Lead Time:** Estimated completion of this product is approximately 44 - 46 weeks after order process is completed. Please note lead times are subject to change; completion date may vary.

### **ASCO Series 300 Automatic Transfer Switch:**

- Quantity: 1
- Standard Delayed Transition 1000 Amp, 208V, 3 Pole, Solid Neutral, NEMA 3R with Programmable Exerciser



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Terms & Conditions

Note: Quoted price does not include any applicable taxes, fees, or rigging.

Terms: Net 30 days with approved credit from date of invoice, otherwise COD. A 1.5% finance charge will be applied to all past due accounts. No retainage Allowed. Taylor Power Systems, Inc. is a manufacturer and not a contractor. Payment must be prompt and complete subject to Terms of Payment.

Shipment: If a completed product remains at Taylor Power Systems' Clinton, Mississippi facility longer than 30 days from the date of initial invoice, a \$500 storage fee will be applied per unit every 30 days until shipment of the product. Taylor Power Systems' responsibility of a product ceases with the transfer of said product to a transportation carrier. Claims for damage in transit must be made by the customer against the carrier. It is the responsibility of the customer to inspect the product before acceptance from the carrier for any damages that may occur during shipment.

- \*Quote valid for 15 days. Created on February 5, 2025
\*Only items listed in quotation are included in price.\*
\*Orders are non-cancelable.\*
\*Freight not included, unless otherwise noted in the preceding quote.\*
\*An extra 1.95% is applied to all credit card charges.\*

Net Price: ..... \$ 112,100.00

Thank you for this opportunity and please contact me if you have any questions or need additional information.

Sincerely,
Todd Johnston
Phone: 251-504-1063
toddj@taylorpower.com

Purchaser:
Company: estimator
Signature:
Title:

Date:



### Manufacturer's Basic Limited Warranty

This Taylor Power Systems Standby Generator System has been manufactured and inspected with care by experienced craftsmen. If you are the original purchaser, Taylor Power Systems, Inc. warrants for two years or 1500 hours, whichever occurs first, that the system will be free from defects in material and workmanship if properly installed, maintained, and operated in accordance with Taylor Power Systems, Inc. instruction manuals. A Taylor Power distributor, dealer, or authorized representative must perform startup inspection/warranty registration, and warranty repairs.

During the warranty period, repair or replacement at Taylor Power's option will be furnished free of charge for parts and labor, provided an inspection to Taylor Power's satisfaction discloses a defect in material and workmanship, and provided that the part or parts are returned to Taylor Power warranty department, if requested.\*

This warranty does not apply to malfunctions caused by damage, unreasonable use, unapproved modifications, misuse, abuse, or normal wear and tear while in your possession.

\*Some restrictions may apply. Contact your Taylor Power Systems distributor/dealer for full details.

#### Warranty Periods

##### **1. Emergency or Standby Duty**

Standby generators must be permanently installed, properly enclosed, ventilated, and used as back up to the normal power source.

The warranty period is 24 months from date of startup by the first owner/user or 1500 hours of operation, limited to a maximum of 750 hours in the first year.

##### **2. Continuous or Prime Duty**

Continuous or prime power service describes operation in a permanent or mobile application where no other source of power is generally available. Rental sets, and specific products for irrigation and refrigeration meet this criteria. Cogeneration and peak shaving installations are considered prime power.

The warranty period is 12 months from date of startup by the first owner/user or 3000 hours of operation, whichever is shorter.



### Limited Warranty Conditions

Before there is any protection under this Limited Warranty, the distributor/dealer must: complete the Taylor Power Systems Warranty, Startup Validation Inspection form and return it to Taylor Power Systems within 30 days of the startup date. In addition, this Limited Warranty is not valid or enforceable unless all supporting maintenance records are kept on file with the end user and made available upon request from factory, the generator set is routinely exercised in accordance with operating instructions, and the installation meets the general guidelines, standards, and recommendations as laid out in the Installation Guide provided with the product and all local standards and codes applicable in the location of installation.

#### Engine Manufacturers Warranty:

The engine manufacture issues its own separate warranty covering the engine's performance and parts. In the event of an engine related failure, Taylor Power Systems, Inc. can refer you to an engine authorized service center.

Travel shall be allowed up to a maximum of 300 miles round trip and a maximum of 7 hours travel time.

Taylor Power Systems, Inc. will provide replacement parts to claimant's location within the United States. If claimant is located outside the continental United States, all parts shipments are FOB point of debarkation. In the event warranty repairs are affected outside the boundaries of the United States of America, Taylor Power Systems, Inc. is not responsible for any duties, taxes, or associated charges as may be applicable in accordance with the regulations of the country where such warranty repair is performed.

TAYLOR POWER SYSTEMS SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND including, but not limited to, injury to individuals, personal property, or business losses due to down time, installation charges, telephone charges, or transportation charges in connection with the replacement or repair of defective parts or damages resulting from outside influences (e.g. lightning, power surge, or pest damage).

THIS IS OUR EXCLUSIVE WRITTEN WARRANTY. We make no other express or implied warranty nor is anyone authorized to make any on our behalf.

ANY IMPLIED OR STATUTORY WARRANTY, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, is expressly limited to the duration of this warranty. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



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The following will not be covered by this warranty:

- 1. Normal engine wear, routine tune-ups, tune-up parts, adjustments, installation charges, startup cost, improper startup inspection, and periodic service.
2. Damage caused by accidents, improper installation (unless installed by Taylor Power Systems, Inc.), shipping and handling, or improper storage.
3. Damage caused by operation with improper fuel or at speeds, loads, conditions, modifications, or installation contrary to published specifications or recommendations.
4. Damage caused by negligent maintenance such as:
a. Failure to provide the specified type and sufficient lubricating oil.
b. Failure to provide sufficient coolant, cooling air and to keep the air intake and cooling fin areas clean.
c. Failure to service the air cleaner.
d. Failure to perform scheduled maintenance as prescribed in supplied manuals.
e. Fuel Contamination (including water etc.).
f. Improper use of starting aids
6. Labor and travel expenses related to starting batteries.
7. Engine coolant heaters, heater controls, and circulating pumps after the first year.
8. Rental equipment including neither replacement generators nor any other equipment (cranes, trucks, etc.) needed during performance of warranty repairs.
9. Parts purchased from sources other than Taylor Power. Replacement of a failed Taylor Power part with a non-Taylor Power part voids warranty on that part.
10. Engine fluids such as fuel, oil, or coolant/antifreeze.
11. Shop supplies such as adhesives, cleaning solvents, and rags.
12. Expenses incurred investigating performance complaints unless the problem is caused by defective Taylor Power materials or workmanship.
13. Maintenance items such as fuses, filters, spark plugs, loose/leaking clamps, batteries and adjustments.
14. Any overtime travel or labor to make repairs under warranty.
15. Any special access fees or additional cost required to gain access to Taylor Power Systems, Inc. equipment, including but not limited to any training or safety policy requirements to gain access.
16. Trailer lights, wiring, and brakes.

Purchaser:
Company: estimator
Signature:
Title:

Date: