

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED 0 %

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF 3/1/24

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

 28-32 weeks after order receipt

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: Taylor Power Systems

ADDRESS: 947 Industrial Park Dr.

CITY, STATE: Clinton, MS ZIP: 39056

TELEPHONE: (504) 812-4770 FAX: (504) 910-3033

EMAIL ADDRESS: ttalbot@taylorpower.com

In the event that addenda are issued with this bid, bidders **MUST** acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form by placing the addendum number as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: N/A

NUMBER: _____

NUMBER: _____

NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ 1,033,000.00

AUTHORIZED SIGNATURE: *Tim Talbot*

 Tim Talbot

Printed Name

TITLE: Regional Sales Manager

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00144034

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	6.00	EA	<p>PURCHASE OF DIESEL TOWABLE GENERATORS TO POWER UP LIFT STATIONS FOR THE JEFFERSON PARISH DEPARTMENT OF SEWERAGE</p> <p>0001 - Genset Diesel Towable Generator with Paralleling Harness; 50/60Hz, 200KW, Item no. C200D2RE</p> <p>As per submitted specifications</p>	\$ 116,500.00	\$ 699,000.00
2	2.00	EA	<p>0002 - Genset Diesel Towable Generator with Paralleling Harness 50/60Hz, 275KW, Item no. C275D2RE</p> <p>As per submitted specifications</p>	\$ 167,000.00	\$ 334,000.00



December 21, 2023

Quote Number: 51233

TO:

Jefferson Parish Purchasing Dept.
200 Derbigny St. Suite 4400
Gretna, LA 70053

Phone: 504-364-2691
Fax:
Email: dmevans@jeffparish.net

✈ **GENERATOR PROPOSAL (Project: Bid Number: 50-00144034)**

I appreciate the opportunity to provide the following quotation for your consideration.

➔ **TAYLOR Model TM225: Engine Driven Generator Set**

Rated: 181 Kw, EPA Prime Power, Multi-Voltage, 1 & 3 Phase, 60 Hz

Rated: 200 Kw, EPA Standby Power, Multi-Voltage, 1 & 3 Phase, 60 Hz

Unit Features:

- ▶ **FPT Tier 4F Diesel Engine**
- ▶ **Leroy Somer Alternator**
 - Brushless Rotating Field Generator
 - Tropical Coating
 - Main Line Circuit Breaker
- ▶ **Four Position Multi-Voltage Selector Switch**
 - ▶ 277/480 3 phase, 120/240V 3 phase, 120/208V 3 phase, 120/240V single phase
- ▶ **Deep Sea 7310 Digital Control Panel**
- ▶ **Heavy Duty Steel Base with Vibration Isolators**
- ▶ **120V Block Heater**
- ▶ **Buss-Bar output connections**
- ▶ **Female Color-Coded Cam-lock connectors mounted**
- ▶ **(2) 120V 20 Amp GFI Receptacles**
- ▶ **(3) 240V 50 Amp Twist Lock Receptacles**
- ▶ **External Fuel Connect**
- ▶ **Integrated Lifting Eye**
- ▶ **Battery, Rack & Cables**
- ▶ **Deep Sea Battery Charger**
- ▶ **Block Heater Plug and Battery Charger Plug**
- ▶ **Flex Fuel Lines**

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- ▶ **External E-Stop**
- ▶ **Sound Attenuated Weather Housing Enclosure w/ Internal Silencer**
 - Lockable Doors
 - Powder Coat Finish
 - Heavy Duty Steel
- ▶ **232 Gal. Dual Containment Fuel Cell w/ Tandem Axle Trailer & Pintle Hitch**

Misc:

- ▶ **Factory Load Bank Test**
- ▶ **One Year Prime Warranty**

Net Price PER Unit.....\$ 116,500.00

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

FREIGHT: Included to Jefferson Parish, LA (Does not include off-loading)

TERMS: Net 30 Days from date of invoice with approved credit, otherwise COD. A 1.5% finance charge will be applied to all past due accounts. Payment must be prompt and complete subject to terms of payment

LEAD TIME: Estimated completion of this product is approximately 5 to 6 months after the order process is completed. Please note this is an estimate; completion date may vary.

*Quote valid for 30 days.

Only items listed in quotation are included in price

An extra 1.95% is applied to all credit card charges

Gen Controller is non-Parallel

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

Sincerely,

Tim Talbot

Mobile: 504-812-4770

TTALBOT@TAYLORPOWER.COM

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December 7, 2023

Quote Number: 51235

TO:

Jefferson Parish Purchasing Dept.
200 Derbigny St. Suite 4400
Gretna, LA 70053

Phone: 504-364-2691

Fax:

Email: dmevans@jeffparish.net

⚡ **GENERATOR PROPOSAL (Project: Bid Number: 50-00144034)**

I appreciate the opportunity to provide the following quotation for your consideration.

➔ **TAYLOR Model TM330: Engine Driven Generator Set**

Rated: 263 Kw, EPA Prime Power, Multi-Voltage, 1 & 3 Phase, 60 Hz

Rated: 290 Kw, EPA Standby Power, Multi-Voltage, 1 & 3 Phase, 60 Hz

Unit Features:

- ▶ **FPT Tier 4F Diesel Engine**
- ▶ **Leroy Somer Alternator**
 - Brushless Rotating Field Generator
 - Tropical Coating
 - Main Line Circuit Breaker
- ▶ **Four Position Multi-Voltage Selector Switch**
 - ▶ 277/480 3 phase, 120/240V 3 phase, 120/208V 3 phase, 120/240V single phase
- ▶ **Deep Sea 8610 Parallel Digital Control Panel**
 - ▶ Automatic parallel control with single ethernet cable connection between units
- ▶ **Heavy Duty Steel Base with Vibration Isolators**
- ▶ **120V Block Heater**
- ▶ **Buss-Bar output connections**
- ▶ **Female Color-Coded Cam-lock connectors mounted.**
- ▶ **120V 20 Amp GFI Receptacle**
- ▶ **External Fuel Connect**
- ▶ **Integrated Lifting Eye**
- ▶ **Battery, Rack & Cables**
- ▶ **Deep Sea Battery Charger**
- ▶ **Block Heater Plug and Battery Charger Plug**
- ▶ **Flex Fuel Lines**
- ▶ **External E-Stop**

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- ▶ **Sound Attenuated Weather Housing Enclosure w/ Internal Silencer**
 - Lockable Doors
 - Powder Coat Finish
 - Heavy Duty Steel
- ▶ **283 Gal. Dual Containment Fuel Cell w/ Triple Axle Trailer & Pintle Hitch**

Misc:

- ▶ **Factory Load Bank Test**
- ▶ **One Year Prime Warranty**

Net Price PER Unit.....\$ 167,000.00

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

FREIGHT: Included to Louisiana (Does not include off-loading)

TERMS: Net 30 Days from date of invoice with approved credit, otherwise COD. A 1.5% finance charge will be applied to all past due accounts. Payment must be prompt and complete subject to the terms of payment.

LEAD TIME: Estimated completion of this product is approximately 6 to 7 months after the order process is completed. Please note this is an estimate; completion date may vary.

*Quote valid for 30 days.

Only items listed in quotation are included in price

An extra 1.95% is applied to all credit card charges

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

Sincerely,

Tim Talbot
Mobile: 504-812-4770
TTALBOT@TAYLORPOWER.COM

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AFFIDAVIT

STATE OF Louisiana

PARISH/COUNTY OF St. Tammany

BEFORE ME, the undersigned authority, personally came and appeared: Tim

Talbot, (Affiant) who after being by me duly sworn, deposed and said that

(he/she is the fully authorized Regional Sales Manager of Taylor Power (Entity),

the party who submitted a bid in response to Bid Number 50-00144034, to the Parish of

Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B A there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

(Choose A or B, if option A is indicated please include the required

attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B There are NO debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

[Signature]
Signature of Affiant

Tim Talbot
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 18th DAY OF December, 2023.

[Signature]
Notary Public

Krista Eleew
Printed Name of Notary

132183/34320
Notary/Bar Roll Number

KRISTA M. ELEEW
Notary Public, State of Louisiana
Notary Id. # 132183, Bar Roll #34320
MY COMMISSION IS FOR LIFE

My commission expires is for life.





Taylor Power System • 947 Industrial Park Drive • Clinton, Mississippi 39056 • Phone (601) 922-4444 • taylorpower.com

July 27, 2022

All State of Louisiana Public Entities,

Taylor Power Systems, Inc. authorizes the following employees to bind our company to terms and conditions of bid solicitations to any State of Louisiana public entity.

Steve Duke	Director
Zach Taylor	General Manager
Craft Tyler	General Sales Manager
Tim Talbot	Regional Sales Manager
David Dewitt	Regional Sales Manager

Sincerely,

A handwritten signature in black ink that reads "Brittney Luke". The signature is written in a cursive, flowing style.

Brittney Luke
Treasurer

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TM Series



OUTPUT POWER OPTIONS								PRIME	
Genset	Voltage	Alternator	Model	Phase	Regulator	Regulation	Hertz	kW/kVA	Amps
TM170	277/480	Leroy Somer	LSA 44.3L12	3	D350	±0.25%	60	132/165	199
	120/208		LSA 44.3L12	3	D350	±0.25%	60	132/165	459
	120/240		LSA 44.3L12	3	D350	±0.25%	60	132/165	397
	120/240		LSA 44.3L12	1	D350	±0.25%	60	120/120	500

TM225	277/480	Leroy Somer	LSA 46.3S4	3	D350	±0.25%	60	181/226	272
	120/208		LSA 46.3S4	3	D350	±0.25%	60	181/226	629
	120/240		LSA 46.3S4	1	D350	±0.25%	60	122/122	508

Engine Data	TM170	TM225
Manufacturer	FPT	FPT
Model	NEF67	NEF67
EPA Tier	4 Final	4 Final
Aspiration	Turbocharged	Turbocharged
Arrangement	Inline 6 Cylinder	Inline 6 Cylinder
Displacement: L (in. ³)	6.7 (408.859)	6.7 (408.859)
Gross Horsepower	224	299
Rated RPM	1800	1800
Block Heater Wattage	1000	1000

Dimensions & Weight

Length: in.	248	248
Width: in.	87	87
Height: in.	109	109
Wet Weight: lbs	10434	10654

Fuel System	TM170	TM225
Fuel Type	Ultra-Low Sulfur Diesel	
Fuel Capacity: gal	232	232
Containment:	110%	110%
Consumption @ 75% Load: gal/hr	6.98	9.09
Consumption @ 100% Load: gal/hr	9.31	12.13

DEF

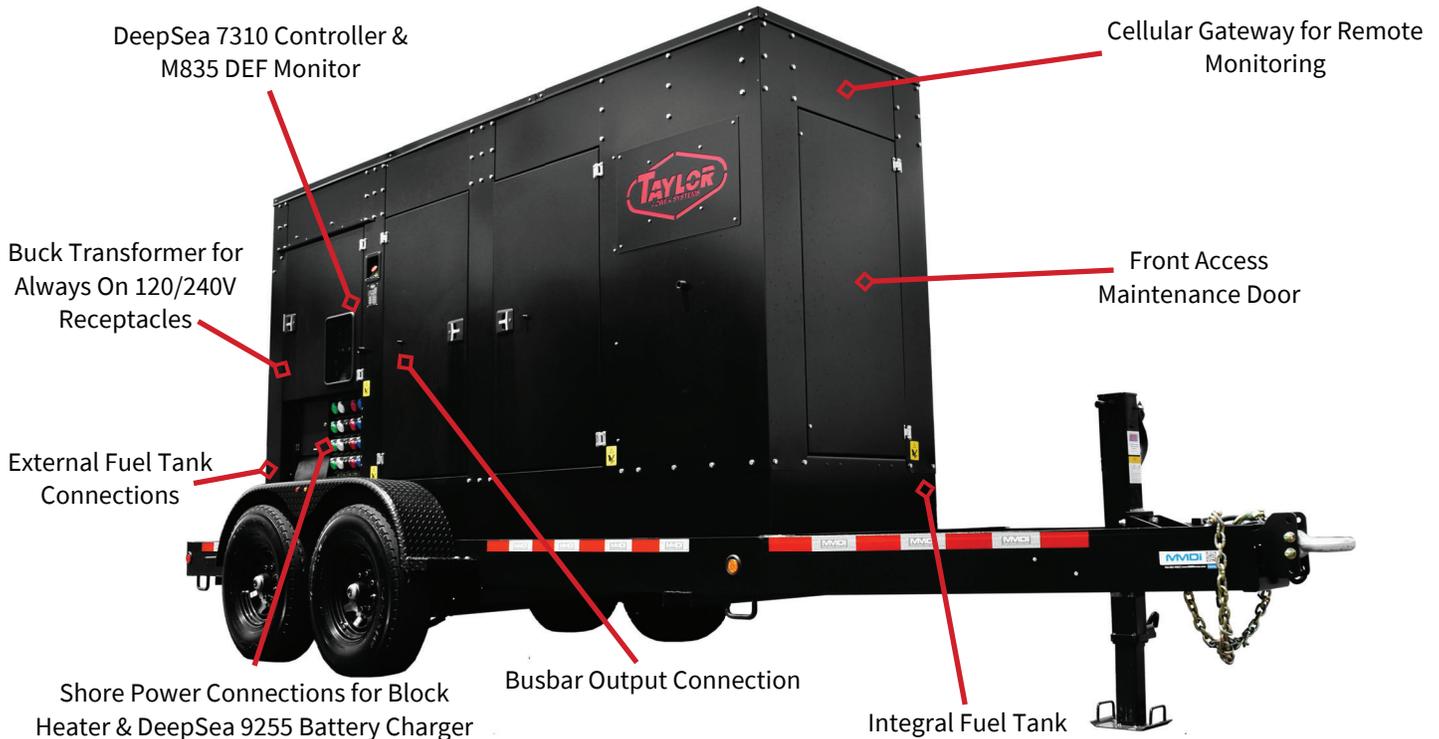
DEF Capacity: gal	20	20
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Sound Level

23 Feet: dBA	70	70
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Output Connections

20A 120V Receptacles	1	1
50A 120-240V Receptacles	3	2
Cam-Lok Sets	1	2



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.

Prime Ratings: Prime 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.

Brochure main description		@1800rpm
Engine identification main		N67ENTZW69
Emission feature		Tier4B StageIV
Main characteristics		@1800rpm
Emission certification		Tier 4 Final
Commercial code (for order)		N67ENTZW69
Stand-by power (gross) [mech]	kW	223
Oil consumption on mission (average)	% fuel consumption	0.30
Technical code / family (only for homologation purpose)		F4HFE615E*B
Cycle		Diesel 4 stroke
Air charging system		TCA
Number of cylinder		6
Configuration (cylinder arrangement)		in line
Bore	mm	104
Stroke	mm	132
Displacement	l	6.728
Valves per cylinder		4
Cooling		liquid
Direction of rotation (from flywheel side)		anti-clockwise
Compression ratio		17:1
Firing order		1-5-3-6-2-4
Injection type		direct - electronic common rail
Be10	h	8000
Turbocharger & EGR system		
Turbocharger type		fix geometry / wastegate
Max turbine inlet temperature	°C	700
Max boost pressure	mbar	1750 (depending on rating)
Exhaust flap		
Actuation type		electronic actuator
Switchability (1500-1800 rpm)		yes/no
Emission level 1500 rpm		-
Emission level 1800 rpm		Tier4 final
Engine dimension LxWxH (indicative values)	mm	1062x687x1049
Engine Weight - Dry (no fluids, value purely indicative)	kg	530
Engine Weight - Wet (with fluids, value purely indicative)	kg	557
Min guaranteed temperature for cold start w/o any aid (stand alone engine)	°C	-15
Min guaranteed temperature for cold start with grid heater (stand alone engine)	°C	-20
Min guaranteed temperature for cold start with grid heater and block heater (stand alone engine)	°C	-30

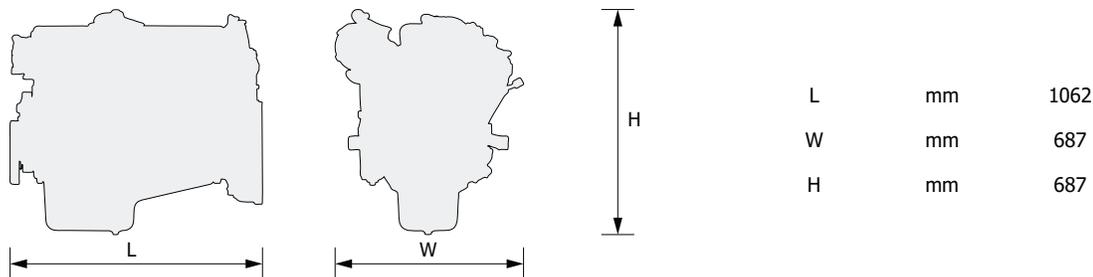


Figure 1. Engine layout for reference only.

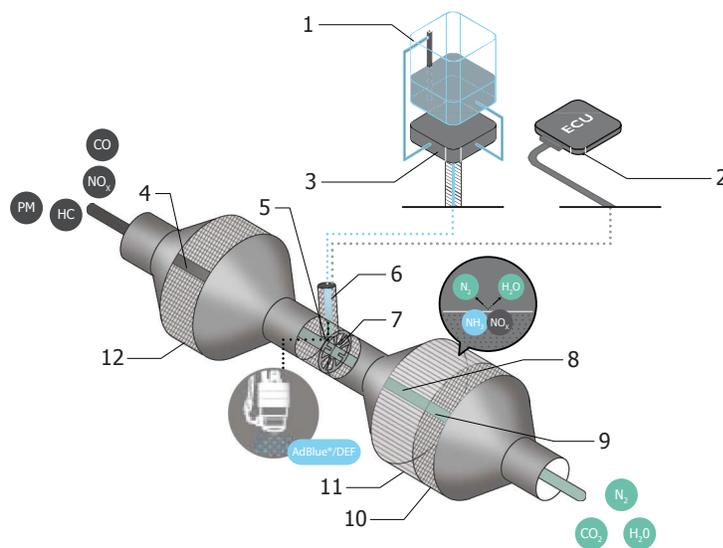
236537

(*) Engine performance		@1800rpm
Continuous power (gross) [mech]	kW	163
Prime power (gross) [mech]	kW	203
Stand-by power (gross) [mech]	kW	223
Generator available power @ prime power	kVA (kWe)	-
Generator available power @ stand-by	kVA (kWe)	-
Fuel System		@1800rpm
Injection system type		Common rail
Injection pump manufacturer		Bosch
Injection pressure	bar	1600
Engine fuel compatibility		see dedicated GOLD Book document on fluids
Feed pump		on engine
Fuel filter		cartridge
Air Intake System		@1800rpm
Charge air flow (max)	kg/h	870
Exhaust System		@1800rpm
Max back pressure (after exhaust flap) @ rated power with clean system	P ₁₀ bar	0.2
After Treatment System		@1800rpm
After Treatment System	l	DOC + SCR + CUC
POC		no
DPF		no
DOC	l	3.5
SCR	l	18.6
Urea Dosing System		Bosch DNO _x -2.5
AdBlue mixer		yes
ATS sensors		temperature - NO _x - NH ₃
DPF regeneration strategy		no
Lubrication System		@1800rpm
Oil sump capacity	l	n/a
Max	l	15
Min	l	9
Oil system capacity including filter	l	18
Oil pump type		gear pump
Oil pump drive arrangement		gear pump forged of block
Oil servicing intervals	h	see dedicated GOLD Book document on fluids
Cooling system		@1800rpm
Type		liquid
Min radiator cap pressure	kPa (bar)	0.7
Electrical, Electronic and Control Systems		@1800rpm
System voltage	V	12 - 24
Engine control unit		Bosch EDC17CV41
Cold starting		@1800rpm
Without air preheating	°C	-10
With air preheating	°C	-25
Maintenance		@1800rpm
Oil filter change	h	see dedicated GOLD Book document

(**) Engine Noise		@1800rpm
Overall sound pressure (engine only)	dBA	94

(***) Step Load		@1800rpm
G1 (% of PrP)	%	100
G2 (% of PrP)	%	70
G3 (% of PrP)	%	60
Removal load (G1)	%	100
Removal load (G2)	%	100
Removal load (G3)	%	100

(*) Maximum Rating Performance Data		@1800rpm
Fuel consumption (BSFC) (prime power)	(kg/h) [g/kWh]	(39.8) [196]
Fuel consumption (BSFC) (stand-by)	(kg/h) [g/kWh]	(44.2) [198]
Fuel consumption (BSFC) (80% prime power)	(kg/h) [g/kWh]	(32.2) [198]
Fuel consumption (BSFC) (50% prime power)	(kg/h) [g/kWh]	(20.4) [201]
Fuel consumption (BSFC) (25% prime power)	(kg/h) [g/kWh]	(11.2) [220]
AdBlue consumption (average on mission)	% of fuel cons	7.3



LEGEND

- PM** Particulate matter
- HC** Unburnt hydrocarbons
- NO_x** Nitrogen oxides
- CO** Carbon monoxide
- N₂** Nitrogen
- CO₂** Carbon dioxide
- H₂O** Water
- AdBlue /DEF** CO (NH₂)₂ + H₂O

Figure 2. HI-eSCR

236552

- (*) Value measured (tolerance ±3%) at flywheel according to one of more of the norms: ISO 3046/1, dir. 97/68 EC (w/o fan), DIN 6271, BS 5514, SAE J1349. Test conditions: 50 hours of run-in, fuel EN 590, turbo air inlet temperature 25°C, atmospheric pressure 100kPa, humidity 30% and other engine conditions in accordance to FPT Datasheets and Installation Guidelines.
- (**) The figures for total noise levels are measured in Prime Power rating in a absorber environment condition and measured at a distance of one metre from the periphery of the engine.
- (***) The impact load values comply with requirements of Classification 3 & 4 of ISO 8528-12 and G2 operating limits stated in ISO 8528-5 (% of Prime Power). All tests were conducted using an engine installed and serviced to FPT recommendations, standard ambient condition. Generator powers are typical and are based on an average alternator efficiency and a power factor (cos. Θ) of 0.8 and are for guidance only.
 kW_e = kW_m x gen. eff.
 kVA = kW_e / 0.8

ACRONYMS LST

Acronyms	Description
-	Not Needed
2stTC	Two Stage Turbo (sequential)
Ag	Agricultural
ASC	Ammonia Slip Catalyst (same as CUC)
ATS	After Treatment System
BSFC	Brake Specific Fuel Consumption
CAC	Charge Air Cooler
CCDPF	Close Coupled DPF
CCV	Crankcase Ventilation
CE	Construction Equipment
CI	Cast Iron
CRS	Common Rail System
CRSN	Common Rail System NKW (Commercial vehicles)
CUC	Clean Up Catalyst for ammonia (same as ASC)
DAVNT	Dual Axis Variable Nozzle Turbine
DCS	Drawing Coordinate System
DI	Direct Injection
DOC	Diesel Oxidation Catalyst
DOHC	Double Over Head Camshaft
DPF	Diesel Particulate Filter
ECEGR	External Cooled EGR
ECU	Engine Control Unit
EEGR	External EGR
EGR	Exhaust Gas Recirculation
epWG	Electro pneumatic WG
eVGT	Electrical VGT
eWG	Electrical WG
FFOB	Front Face of Block
FGT	Fixed Geometry Turbocharger (no WG)
FIE	Fuel Injection System
HD	Heavy Duty
HLA	Hydraulic Lash Adjusters
IDI	Indirect Injection

Acronyms	Description
iEGR	Internal EGR
ISC	Interstage Cooling
IPU	Industrial Power Unit
LD	Light Duty
LDCV	Light Duty Commercial Vehicles
LH	Left Hand Side
LWR	Laser Welded Rail
MD	Medium Duty
n/a	Not Available
NA	Natural Aspirated
NS	Non Structural
OHV	Over Head Valves
OPT	Option
PCP	Peak Cylinder Pressure
PTO	Power Take Off
RFOB	Rear Face of Block
RH	Right Hand Side
S	Structural
SAPS	Sulphated Ash, Phosphorus, Sulphur
SCR	Selective Catalytic Reduction catalyst
SOHC	Single Over Head Camshaft
STD	Standard
TC	Turbocharged
TCA	Turbocharged, Charge Air Cooled
THM	Thermal Management
UFDPF	Under Floor DPF
UQS	Urea Quality Sensor
VE	Bosch Distributor Mechanical Pump
VFT	Variable Flow Turbine
VGT	Variable Geometry Turbocharger
WG	Waste Gate Turbocharger
XPI	Extra high Pressure Injection (Scania, Cummins)

*Unit of misure according to international system of unit.
 Engine accessories and Options available on Option List.
 All data is subject to change without notice.*

UPDATING

Revision	Description	Date
1.1	Updated technical information	Mar 2018

TM Series



OUTPUT POWER OPTIONS								PRIME	
Genset	Voltage	Alternator	Model	Phase	Regulator	Regulation	Hertz	kW/kVA	Amps
TM330	277/480	Leroy Somer	LSA 46.3L10	3	D350	±0.25%	60	263/329	396
	120/208		LSA 46.3L10	3	D350	±0.25%	60	263/329	914
	120/240		LSA 46.3L10	3	D350	±0.25%	60	263/329	792

TM420	277/480	Leroy Somer	LSA 47.2S4	3	D350	±0.25%	60	334/418	503
	120/208		LSA 47.2S4	3	D350	±0.25%	60	334/418	1160
	120/240		LSA 47.2S4	3	D350	±0.25%	60	334/418	1006

Engine Data	TM330	TM420
Manufacturer	FPT	FPT
Model	Cursor9	Cursor13
EPA Tier	4 Final	4 Final
Aspiration	Turbocharged	Turbocharged
Arrangement	Inline 6 Cylinder	Inline 6 Cylinder
Displacement: L (in. ³)	8.7 (530.91)	12.9 (787.21)
Gross Horsepower	443	570
Rated RPM	1800	1800
Block Heater Wattage	1000	1000

Dimensions & Weight

Length: in.	235	261
Width: in.	100	100
Height: in.	115	115
Wet Weight: lbs	16915	19293

Fuel System	TM330	TM420
Fuel Type	Ultra-Low Sulfur Diesel	
Fuel Capacity: gal	283	283
Containment:	110%	110%
Fuel Consumption: gal/hr	13.32	17.29

DEF

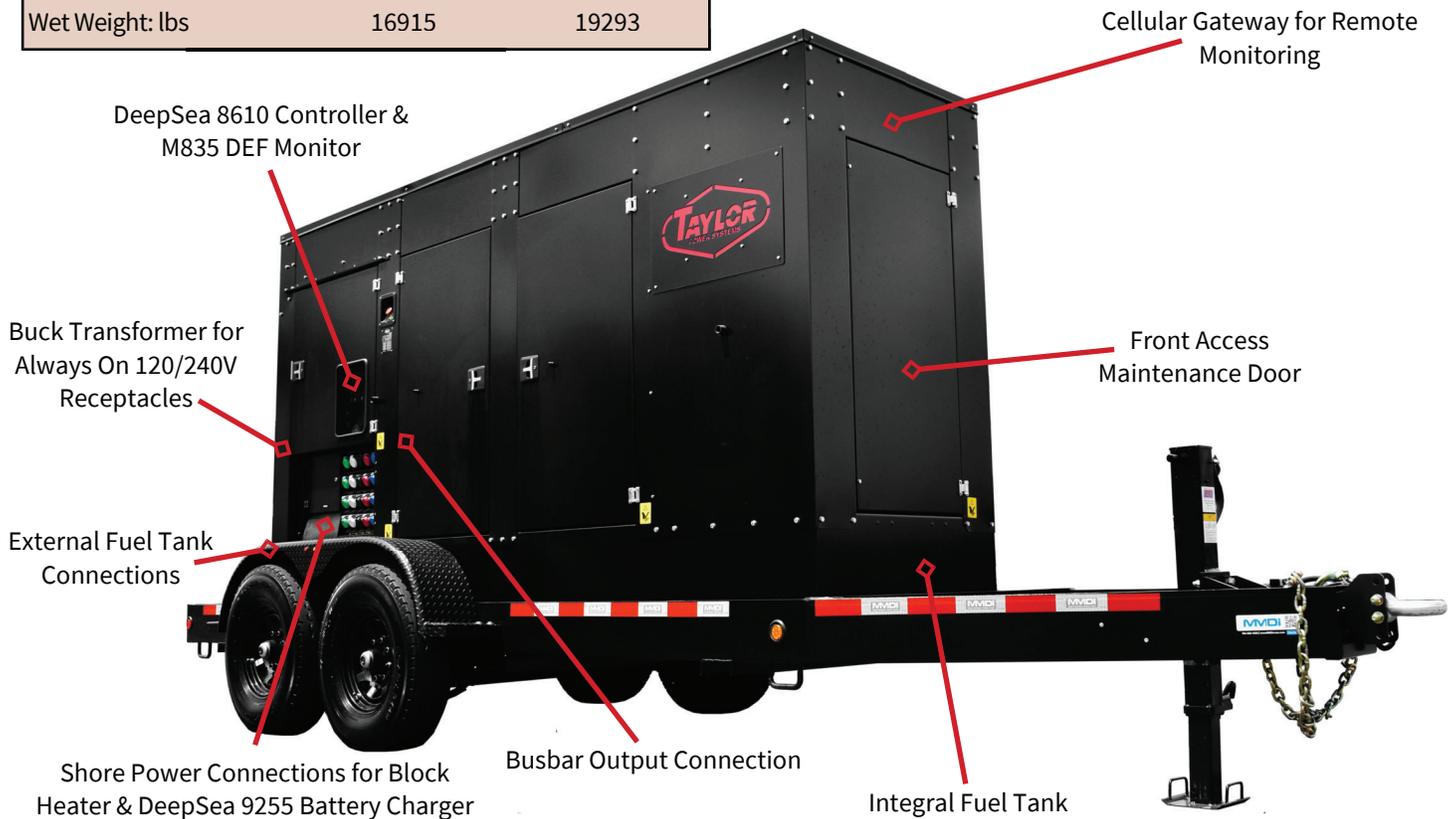
DEF Capacity: gal	31	41
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Sound Level

23 Feet: dBA	70	70
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Output Connections

20A 120V Receptacles	1	1
Cam-Lok Sets	3	5



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)

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Brochure main description		@1800rpm
Engine identification main		CURSOR87ENTZW69
Emission feature		Tier4B StageIV
Main characteristics		@1800rpm
Emission certification		Tier 4 Final
Commercial code (for order)		CURSOR87ENTZW69
Commercial power	kW	330
Oil consumption on mission (average)	% fuel consumption	0.25
Technical code / family (only for homologation purpose)		F2CFE613A/B*B
Cycle		Diesel 4 stroke
Air charging system		TCA
Number of cylinder		6
Configuration (cylinder arrangement)		in line
Bore	mm	117
Stroke	mm	135
Displacement	l	8.709
Valves per cylinder		4
Cooling		liquid
Direction of rotation (from flywheel side)		anti-clockwise
Compression ratio		15.9:1
Firing order		1-4-2-6-3-5
Injection type		direct - electronic common rail
Be10	h	8000
Turbocharger & EGR system		
Turbocharger type		wastegate
Max turbine inlet temperature	°C	700
Max boost pressure	mbar	depending on rating
Exhaust flap		
Actuation type		electronic actuator
Switchability (1500-1800 rpm)		yes/no
Emission level 1500 rpm		-
Emission level 1800 rpm		Tier4 final
Engine dimension LxWxH (indicative values)	mm	1216x883x1007
Engine Weight - Dry (no fluids, value purely indicative)	kg	870
Engine Weight - Wet (with fluids, value purely indicative)	kg	900
Min guaranteed temperature for cold start w/o any aid (stand alone engine)	°C	-15
Min guaranteed temperature for cold start with grid heater (stand alone engine)	°C	-25
Min guaranteed temperature for cold start with grid heater and block heater (stand alone engine)	°C	-30

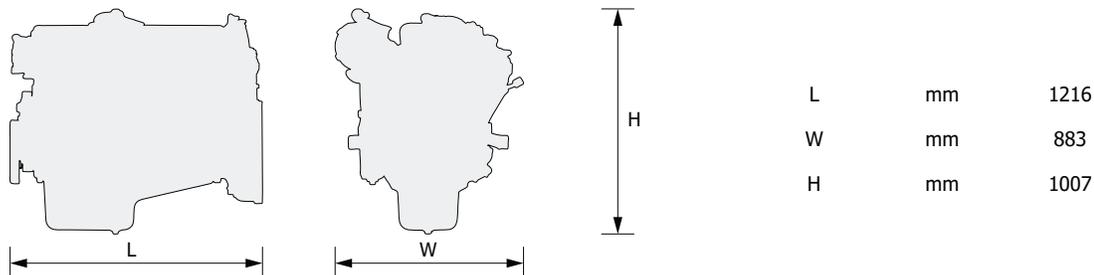


Figure 1. Engine layout for reference only.

236537

(*) Engine performance		@1800rpm
Continuous power (gross) [mech]	kW	240
Prime power (gross) [mech]	kW	300
Stand-by power (gross) [mech]	kW	330
Generator available power @ prime power	kVA (kWe)	-
Generator available power @ stand-by	kVA (kWe)	-
Fuel System		@1800rpm
Injection system type		Common rail
Injection pump manufacturer		Bosch
Injection pressure	bar	1800
Engine fuel compatibility		see dedicated GOLD Book document on fluids
Feed pump		on engine
Fuel filter		cartridge with element filter replaceable
Air Intake System		@1800rpm
Charge air flow (max)	kg/h	1480
Exhaust System		@1800rpm
Max back pressure (after exhaust flap) @ rated power with clean system	P ₁₀ bar	0.2
After Treatment System		@1800rpm
After Treatment System	l	DOC + SCR + CUC
POC		no
DPF		no
DOC	l	6.5
SCR	l	34.8
Urea Dosing System		Bosch DNO _x -2.5
AdBlue mixer		yes
ATS sensors		temperature - NO _x - NH ₃
DPF regeneration strategy		no
Lubrication System		@1800rpm
Oil sump capacity	l	n/a
Max	l	23
Min	l	20
Oil system capacity including filter	l	26
Oil pump type		gear pump
Oil pump drive arrangement		gear pump forged of block
Oil servicing intervals	h	see dedicated GOLD Book document on fluids
Cooling system		@1800rpm
Type		liquid
Min radiator cap pressure	kPa (bar)	0.7
Electrical, Electronic and Control Systems		@1800rpm
System voltage	V	24
Engine control unit		Bosch EDC17CV41
Cold starting		@1800rpm
Without air preheating	°C	-10
With air preheating	°C	-25
Maintenance		@1800rpm
Oil filter change	h	see dedicated GOLD Book document

(**) Engine Noise		@1800rpm
Overall sound pressure (engine only)	dBA	96

(***) Step Load		@1800rpm
G1 (% of PrP)	%	80
G2 (% of PrP)	%	65
G3 (% of PrP)	%	55
Removal load (G1)	%	100
Removal load (G2)	%	100
Removal load (G3)	%	100

(*) Maximum Rating Performance Data		@1800rpm
Fuel consumption (BSFC) (prime power)	(kg/h) [g/kWh]	(60) [200]
Fuel consumption (BSFC) (stand-by)	(kg/h) [g/kWh]	(66) [200]
Fuel consumption (BSFC) (80% prime power)	(kg/h) [g/kWh]	(48.2) [201]
Fuel consumption (BSFC) (50% prime power)	(kg/h) [g/kWh]	(29.4) [196]
Fuel consumption (BSFC) (25% prime power)	(kg/h) [g/kWh]	(16.4) [218]
AdBlue consumption (average on mission)	% of fuel cons	8.0

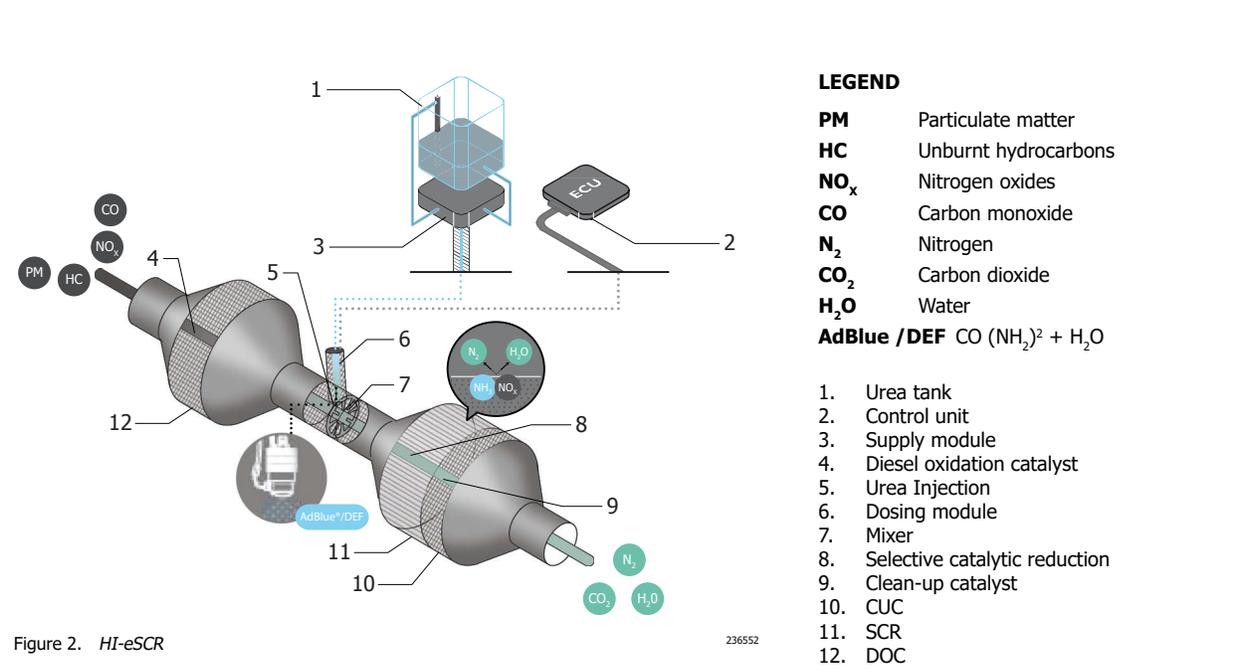


Figure 2. HI-eSCR

236552

(*) Value measured (tolerance ±3%) at flywheel according to one of more of the norms: ISO 3046/1, dir. 97/68 EC (w/o fan), DIN 6271, BS 5514, SAE J1349. Test conditions: 50 hours of run-in, fuel EN 590, turbo air inlet temperature 25°C, atmospheric pressure 100kPa, humidity 30% and other engine conditions in accordance to FPT Datasheets and Installation Guidelines.

(**) The figures for total noise levels are measured in Prime Power rating in a absorber environment condition and measured at a distance of one metre from the periphery of the engine.

(***) The impact load values comply with requirements of Classification 3 & 4 of ISO 8528-12 and G2 operating limits stated in ISO 8528-5 (% of Prime Power). All tests were conducted using an engine installed and serviced to FPT recommendations, standard ambient condition. Generator powers are typical and are based on an average alternator efficiency and a power factor (cos. Θ) of 0.8 and are for guidance only.
 kWe = kWm x gen. eff.
 kVA = kWe / 0.8

ACRONYMS LST

Acronyms	Description
-	Not Needed
2stTC	Two Stage Turbo (sequential)
Ag	Agricultural
ASC	Ammonia Slip Catalyst (same as CUC)
ATS	After Treatment System
BSFC	Brake Specific Fuel Consumption
CAC	Charge Air Cooler
CCDPF	Close Coupled DPF
CCV	Crankcase Ventilation
CE	Construction Equipment
CI	Cast Iron
CRS	Common Rail System
CRSN	Common Rail System NKW (Commercial vehicles)
CUC	Clean Up Catalyst for ammonia (same as ASC)
DAVNT	Dual Axis Variable Nozzle Turbine
DCS	Drawing Coordinate System
DI	Direct Injection
DOC	Diesel Oxidation Catalyst
DOHC	Double Over Head Camshaft
DPF	Diesel Particulate Filter
ECEGR	External Cooled EGR
ECU	Engine Control Unit
EEGR	External EGR
EGR	Exhaust Gas Recirculation
epWG	Electro pneumatic WG
eVGT	Electrical VGT
eWG	Electrical WG
FFOB	Front Face of Block
FGT	Fixed Geometry Turbocharger (no WG)
FIE	Fuel Injection System
HD	Heavy Duty
HLA	Hydraulic Lash Adjusters
IDI	Indirect Injection

Acronyms	Description
iEGR	Internal EGR
ISC	Interstage Cooling
IPU	Industrial Power Unit
LD	Light Duty
LDCV	Light Duty Commercial Vehicles
LH	Left Hand Side
LWR	Laser Welded Rail
MD	Medium Duty
n/a	Not Available
NA	Natural Aspirated
NS	Non Structural
OHV	Over Head Valves
OPT	Option
PCP	Peak Cylinder Pressure
PTO	Power Take Off
RFOB	Rear Face of Block
RH	Right Hand Side
S	Structural
SAPS	Sulphated Ash, Phosphorus, Sulphur
SCR	Selective Catalytic Reduction catalyst
SOHC	Single Over Head Camshaft
STD	Standard
TC	Turbocharged
TCA	Turbocharged, Charge Air Cooled
THM	Thermal Management
UFDPF	Under Floor DPF
UQS	Urea Quality Sensor
VE	Bosch Distributor Mechanical Pump
VFT	Variable Flow Turbine
VGT	Variable Geometry Turbocharger
WG	Waste Gate Turbocharger
XPI	Extra high Pressure Injection (Scania, Cummins)

*Unit of misure according to international system of unit.
 Engine accessories and Options available on Option List.
 All data is subject to change without notice.*

UPDATING

Revision	Description	Date
1.0	First release	Mar 2018

Request for Taxpayer Identification Number and Certification

**Give Form to the
requester. Do not
send to the IRS.**

▶ Go to www.irs.gov/FormW9 for instructions and the latest information.

Print or type. See Specific Instructions on page 3.	<p>1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.</p> <p>TAYLOR POWER SYSTEMS, INC</p>	
	<p>2 Business name/disregarded entity name, if different from above</p>	
	<p>3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.</p> <p> <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input checked="" type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate </p> <p> <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____ </p> <p>Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.</p> <p> <input type="checkbox"/> Other (see instructions) ▶ _____ </p>	<p>4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):</p> <p>Exempt payee code (if any) _____</p> <p>Exemption from FATCA reporting code (if any) _____</p> <p><small>(Applies to accounts maintained outside the U.S.)</small></p>
	<p>5 Address (number, street, and apt. or suite no.) See instructions.</p> <p>947 INDUSTRIAL PARK DR PO BOX 29 LOUISVILLE</p>	<p>Requester's name and address (optional)</p>
	<p>6 City, state, and ZIP code</p> <p>CLINTON MS 39056 MS 39339</p>	
	<p>7 List account number(s) here (optional)</p>	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number									
or									
Employer identification number									
8	0	-	0	3	1	7	5	6	4

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	Signature of U.S. person ▶ <u>Cameron Fortineaux</u>	Date ▶ <u>1-23-2023</u>
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted, after they were published, go to www.irs.gov/FormW9.

Purpose of Form

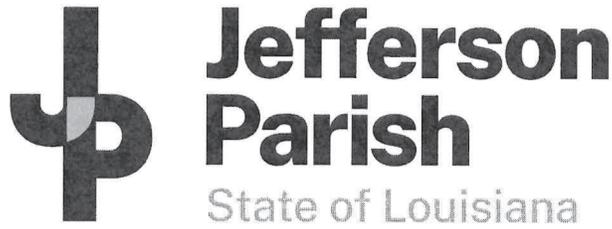
An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.



Bid Number 50-00144034

Purchase of Diesel Towable Generators for the Jefferson Parish
Department of Sewerage

Bid Due: DECEMBER 21, 2023 at 2:00 pm

ATTENTION VENDORS!!!

Please review all pages and respond accordingly, complying with all provisions in the technical specifications and Jefferson Parish Instructions for Bidders and General Terms and Conditions. All bids must be received on the Purchasing Department's eProcurement site by the bid due date and time.

Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053
Buyer Name: Donna M Evans, Buyer II
Buyer Email: DMEVANS@jeffparish.net
Buyer Phone: 504-364-2691

DATE: 12/06/2023
BID NO.: 50-00144034

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

PURCHASING SPECIALIST:
DMEVANS@jeffparish.net

BIDS WILL BE RECEIVED ONLINE VIA WWW.JEFFPARISHBIDS.NET UNTIL 2:00 PM, 12/21/2023 AND PUBLICLY OPENED THEREAFTER IN THE WEST BANK PURCHASING DEPT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053. At no charge, bidders are to submit via Jefferson Parish's electronic procurement page by visiting www.jeffparishbids.net to register for this free site. Additional instructions are included in the text box highlighting electronic procurement.

LATE BIDS WILL NOT BE ACCEPTED

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION. HOWEVER, ELECTRONIC SIGNATURES AS DEFINED IN LSA - R.S. 9:2620(8) ARE ACCEPTABLE. SIGNATURE MUST BE A SECURED DIGITAL SIGNATURE.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 136353 and/or Resolution No. 141125 as amended.

Jefferson Parish adheres to the Louisiana Code of Governmental Ethics, contained in Louisiana Revised Statutes Annotated, R.S. 42:1101, et seq. Vendor/Proposer by this submission, warrants that there are no "conflicts of interest" related to this procurement that would violate applicable Louisiana Law. Violation of the Louisiana Code of Governmental Ethics may result in rescission of contract, permit or licenses, and the imposition of fines and/or penalties, without contractual liability to the public in accordance with applicable law.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Vendors may experience a delay in payment if your company is not a registered vendor with Jefferson Parish.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing via email to the Purchasing Specialist's email address as indicated above, no later than Five (5) working days prior to the bid opening. Bid numbers should be mentioned in all requests. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge any Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

A corporate resolution or written evidence of the individual signing the bid having such authority must be submitted with the bid. Failure to comply will cause bid to be rejected. For corporate entities, such written evidence may be a printout of the Louisiana Secretary of State's website listing the signatory as an officer. Such printout shall be included with the bid submission. Bids submitted by Owners or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. This documentation must be submitted with the bid. Failure to do so will result in bid rejection.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. SPLIT AWARDS MADE TO SEVERAL VENDORS WILL ONLY BE GRANTED TO THOSE DEEMED RESPONSIVE AND RESPONSIBLE.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

PROTESTS: Only those vendors that submit bids in response to this solicitation may protest any element of the procurement, in writing to the Director of the Purchasing Department. Written protest must be received within 48 hours of the release of the bid tabulation by the Purchasing Department. After consultation, the Parish Attorney's Office will then respond to protests in writing. (For more information, please see Chapter 2, Article VII, Division 2, Sec. 2-914.1 of the Jefferson Parish Code of Ordinances.)

PREFERENCE: Unless federal funding is directly spent by Jefferson Parish for this purchase, preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA – R.S. 38:2251-2261"

B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and local taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. **JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR.** Items bid must meet specifications.

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at www.jeffparishbids.net to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 136353 or 141125 as amended. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

13, 15

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(I), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid electronic envelope. Failure to comply will cause the bid to be rejected. When submitting the bid electronically, the license number must be entered in the appropriate field in the electronic procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precaution must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
7. PUBLIC WORKS BIDS: All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. NON-PUBLIC WORKS BIDS: A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. NON-PUBLIC WORKS BIDS: A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. All bidders must comply with the requirements stated in the attached "Standard Insurance Requirements" sheet attached to this bid solicitation. Failure to comply with this instruction will result in bid rejection.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. All sureties must be in original format (no copies) When submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required; This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

15. NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required in conformity with the provisions contained in LSA – RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted as per the appendix instructions. Failure to submit applicable certifications per the appendix instructions will result in bid rejection.

17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which is permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment."). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owed on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session - Louisiana Revised Statute 47:301(8)(c). Owner will furnish to contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment, and report to Owner the amount of taxes not incurred.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to JPCO 2-155.10(19). By signing this document, every corporation, partnership, or person contracting with PARISH, whether by cooperative endeavor, intergovernmental agreement, bid, proposal, application or solicitation for a parish contract, and every application for certification of eligibility for a parish contract or program, attests that it understands and will abide by all provisions of JPCO 2-155.10.

SPECIFICATIONS

STANDBY GENERATORS

JEFFERSON PARISH

DEPARTMENT OF SEWERAGE

OCTOBER 2023

1. GENERAL:

Bidder shall supply six (6) C200D2RE, Diesel Genset 50/60 Hz 200Kw generators and two (2) C27D2RE, Diesel Genset, 50/60 Hz, 275Kw generators, or approved equal. These units will be used to power up lift stations and pumps stations during emergency events. The units shall be provided by the authorized factory representative for Jefferson Parish, Louisiana, and for the brand being offered. Any bids submitted for manufacturers, other than that is specified, must include in their bid all information needed to fully demonstrate complete compliance with requirements of these specifications. It is the bidder's responsibility to provide adequate information necessary for the complete evaluation of their proposed equipment. Jefferson Parish reserves the right to reject any bids that are incomplete or do not demonstrate that they are equal to the requirements of these specifications. Jefferson Parish shall be the sole judge as to the equality of any alternate manufacturer's offering.

2. C200D2RE, DIESEL GENSET, 50/60 Hz 200kW Unit (OR APPROVED EQUAL)

U.S. EPA NONROAD (PORTABLE) APPLICATION

A. Cummins diesel engines

- U.S. Tier IV Final and EU SIIIa certified Cummins QSB7-G9 engines which meet emissions limits without the use of a Diesel Particulate Filter (DPF).
- Dual speed engine for operation at 50 or 60 Hz.
- Advanced electronic engine controls with integrated after-treatment system provide superior fuel efficiency while reducing emissions.
- High-pressure common rail fuel system shall reduce engine noise and smoke.
- Cummins Direct Flow™, or approved equal, air filtration offering improved air management, longer service life, and easier serviceability.
- 2-stage fuel filtration with optimum particle and water separation Control features.
- PowerCommand® 3.3 with Masterless Load Demand (MLD), or approved equal, technology enables smartly adapting power to match varying load demand. MLD capable generators allow sharing of information among paralleled generator sets.

Controls shall provide precise frequency and voltage regulation, alarm and status message display in one easy to operate customer interface

B. Engine controls

- Oil pressure and coolant temp gauge.
- Fuel level gauge, Diesel Exhaust Fluid (DEF) level gauge and battery voltage gauge.
- Hour meter.
- Engine control module includes remote start capability Stamford, or approved equal, alternators.
- 12-lead reconnectable alternators fitted with voltage selection switch.
- Permanent magnet excitation for improved performance in non-linear load applications.

C. Enclosure

- Camlock distribution panel.
- Sound attenuated, white powder coated lockable enclosure.
- 24-hour fuel tank (75 percent prime) with leak detection sensor.
- Single wall fuel tank with 110% fluid containment basin.
- Transport Canada Tank.
- Roof mounted, single point lift.
- Cooling system rated for 122 °Fahrenheit (50 °Celsius) at 100 percent Standby ambient.
- Complete engine fluid containment reservoir.
- 4 position voltage selector switch (277/480 or 139/240 or 120/208 VAC 3 phase or 120/240 VAC 1 phase).
- Shore power (15 A/120 V) – for coolant heater and battery charger.
- Conveniently located analog gauges and heated Human Machine Interface (HMI) display.
- DEF connections.

D. Engine Specifications

Engine model QSB7-G9.

Alternator data sheet UCDI274J (208/240/480).

Tier rating Tier IV.

Design 4 cycle, in-line, turbocharged and after-cooled.

Bore 107.0 mm (4.21 in.).

Stroke 124.0 mm (4.88 in.).

Displacement 6.69 L (408 in³).

Cylinder block Cast iron, In-line 6 cylinder.

Battery capacity 2 x 760 cca.

Battery charging alternator 70 Amps.

Starting voltage 24 Volt, negative ground.

Fuel system Direct injection HPCR system.

Fuel filter Dual Spin on fuel filter with water separator.

Air cleaner type 2-stage, dry replaceable element with dust ejector

Lube oil filter type(s) Single spin-on, full flow.

Standard cooling system 122 °Fahrenheit (50 °Celsius) ambient radiator.

UN31A Certified fuel tank.

E. Alternator Specifications

Design Brushless, 4 pole, drip-proof revolving field.

Stator Double layer concentric, 2/3 winding pitch.

Rotor Single bearing, flexible disc.

Insulation system Class H per NEMA MG1-1.65 (208/240/480 VAC).

Standard temperature rise 125/40 °Celsius prime (208/480 VAC).

Exciter type PMG (Permanent Magnet Generator).

Phase rotation A (U), B (V), C (W).

Alternator cooling Direct drive centrifugal blower fan.

AC waveform Total Harmonic Distortion < 1.5 percent no load, < 5 percent non-distorting balance linear load.

Battery Charger.

Telephone Influence Factor (TIF) < 50 per NEMA MG1-22.43.

Telephone Harmonic Factor (THF) < 2 percent.

F. Power Capability Specifications (Assume power factor = 0.80 for 3 phase Amps)

Standby rating

240 V, 1 phase Amps 60 Hz 558

208 V, 3 phase Amps 60 Hz 694

480 V, 3 phase Amps 60 Hz 301

240 V, 3 phase Amps 60 Hz 601A

400 V, 3 phase Amps 50 Hz 310

G. Electrical power panel specifications model voltage 120/480.

120 V duplex receptacles 2 - 20 Amps GFCI.

240 V twist 3 - 50 Amps.

Load lug connection (stud diameter) 1/2 inch.

Load lug circuit breakers 800 Amps.

H. PowerCommand 3.3 Control System

An integrated microprocessor based generator set control system providing voltage regulation, engine protection, alternator protection, operator interface and isochronous governing.

Masterless Load Demand (MLD) – The controller is capable of smartly managing power from paralleled generators to match varying load patterns.

Power management – Control function provides battery monitoring and testing features and smart starting control system.

Advanced control methodology – Three phase sensing, full wave rectified voltage regulation, with a PWM output for stable operation with all load types.

Regulation compliant – Prototype tested: UL, CSA and CE compliant.

Service – InPower™ PC-based service tool available for detailed diagnostics, setup, data logging and fault simulation.

Easily upgradeable – PowerCommand controls are designed with common control interfaces.

Reliable design – The control system is designed for reliable operation in harsh environment.

Operator panel features

Operator/display functions

- Displays paralleling breaker status
- Provides direct control of the paralleling breaker
- 320 x 240 pixels graphic LED backlight LCD
- Auto, manual, start, stop, fault reset and lamp test/panel lamp switches
- Alpha-numeric display with pushbuttons
- Heated HMI
- LED lamps indicating genset running, remote start, not in auto, common shutdown, common warning, manual run mode, auto mode and stop
- Paralleling control functions

- First Start Sensor System selects first genset to close to bus
- Phase Lock Loop Synchronizer with voltage matching
- Sync check relay
- Isochronous kW and kVar load sharing
- Enhanced safety features for paralleling generators
- Alternator data
- Line-to-Neutral and Line-to-Line AC volts
- 3-phase AC current
- Frequency
- kW, kVar, power factor kVA (three phase and total)
- Engine data
- DC voltage
- Lube oil pressure
- Coolant temperature
- Other data
- Fault history
- Data logging and fault simulation (requires InPower)

Standard control functions

- Digital governing
- Integrated digital electronic isochronous governor
- Temperature dynamic governing
- Digital voltage regulation
- Integrated digital electronic voltage regulator
- 3-phase, 4-wire Line-to-Line sensing
- Configurable torque matching
- AmpSentry AC protection
- AmpSentry protective relay
- Over current and short circuit shutdown
- Over current warning
- Single and three phase fault regulation
- Over and under voltage shutdown

- Over and under frequency shutdown
- Overload warning with alarm contact
- Reverse power and reverse Var shutdown
- Field overload shutdown
- Engine protection
- Battery voltage monitoring, protection and testing
- Overspeed shutdown
- Low oil pressure warning and shutdown
- High coolant temperature warning and shutdown
- Low coolant level warning or shutdown
- Low coolant temperature warning
- Fail to start (overcrank) shutdown
- Fail to crank shutdown
- Cranking lockout
- Sensor failure indication
- Full authority electronic engine protection
- Control functions
- Time delay start and cool down
- Real time clock for fault and event time stamping
- Cycle cranking
- Load shed
- Remote emergency stop

I. Trailer information

Model C200D2RE

DOT approved hydraulic brake trailer with heavy duty center mounted jack, pintle hitch, three (3") inch.

Tire size ST235/85R16

Tire type Radial

Load range 2755 lbs – each

Number of tires per trailer 4

Lug pattern – 8 hole

J. Certifications

Generators shall be certified to meet the following standards:

CAN/CSA STD C22.2 NO. 100

CAN/CSA STD C22.2 NO. 14

**3. C275D2RE, DIESEL GENSET, 50/60Hz, 275kW UNIT (OR APPROVED EQUAL)
U.S. EPA NONROAD (PORTABLE) APPLICATION:**

A. Cummins diesel engines

- U.S. Tier IV Final and EU SIIIa certified Cummins QSL9-G9 engines which meet emissions limits without the use of a Diesel Particulate Filter (DPF).
- Dual speed engine for operation at 50 or 60 Hz.
- Advanced electronic engine controls with integrated after-treatment system provide superior fuel efficiency while reducing emissions.
- High-pressure common rail fuel system shall reduce engine noise and smoke.
- Cummins Direct Flow™, or approved equal, air filtration offering improved air management, longer service life, and easier serviceability.
- 2-stage fuel filtration with optimum particle and water separation Control features.

Control Features.

- PowerCommand® 3.3 with Masterless Load Demand (MLD) technology enables smartly adapting power to match varying load demand. MLD capable generators allow sharing of information among paralleled generator sets.
- Controls shall provide precise frequency and voltage regulation, alarm and status message display in one easy to operate customer interface

B. Engine controls

- Oil pressure and coolant temp gauge.
- Fuel level gauge, Diesel Exhaust Fluid (DEF) level gauge and battery voltage gauge.
- Hour meter.
- Engine control module includes remote start capability

Stamford Alternators, or approved equal.

- 12-lead reconnectable alternators fitted with voltage selection switch.
- Permanent magnet excitation for improved performance in non-linear load applications.

Battery Charger.

C. Enclosure

- Camlock distribution panel.

- Sound attenuated, white powder coated lockable enclosure.
- 24-hour fuel tank (75 percent prime) with leak detection sensor.
- Single wall fuel tank with 110 percent fluid containment basin.
- Transport Canada Tank.
- Roof mounted, single point lift.
- Cooling system rated for 122 °Fahrenheit (50 °Celsius) at 100 percent Standby ambient.
- Complete engine fluid containment reservoir.
- 4 position voltage selector switch (277/480 or 139/240 or 120/208 VAC 3 phase or 120/240 VAC 1 phase).
- Shore power (15 A/120 V) – for coolant heater and battery charger.
- Conveniently located analog gauges and heated Human Machine Interface (HMI) display

DEF connections.

D. Engine Specifications

Engine model QSL9-G9.

Alternator data sheet UCIDI274J (208/240/480).

Tier rating Tier IV.

Design 4 cycle, in-line, turbocharged and after-cooled.

Bore 114.0 mm (4.5 in.).

Stroke 145.0 mm (5.7 in.).

Displacement 8.9 L (543 ci).

Cylinder block Cast iron, In-line 6 cylinder.

Battery capacity 2 x 760 cca.

Battery charging alternator 70 Amps.

Starting voltage 24 Volt, negative ground.

Fuel system Direct injection HPCR system.

Fuel filter Dual Spin on fuel filter with water separator.

Air cleaner type 2-stage, dry replaceable element with dust ejector

Lube oil filter type(s) Single spin-on, full flow.

Standard cooling system 122 °Fahrenheit (50 °Celsius) ambient radiator.

E. Alternator Specifications

Design Brushless, 4 pole, drip-proof revolving field.

Stator Double layer concentric, 2/3 winding pitch.

Rotor Single bearing, flexible disc.

Insulation system Class H per NEMA MG1-1.65 (208/240/480 VAC).

Standard temperature rise 125/40 °Celsius prime (208/480 VAC).

Exciter type PMG (Permanent Magnet Generator).

Phase rotation A (U), B (V), C (W).

Alternator cooling Direct drive centrifugal blower fan.

AC waveform Total Harmonic Distortion < 1.5 percent no load, < 5 percent non-distorting balance linear load.

Telephone Influence Factor (TIF) < 50 per NEMA MG1-22.43.

Telephone Harmonic Factor (THF) < 2 percent.

F. Power Capability Specifications (Assume power factor = 0.80 for 3 phase Amps)

Standby rating

240 V, 1 phase Amps 60 Hz 770

208 V, 3 phase Amps 60 Hz 954

480 V, 3 phase Amps 60 Hz 413

240 V, 3 phase Amps 60 Hz 826

400 V, 3 phase Amps 50 Hz 424

G. Electrical power panel specifications model voltage 120/480.

120 V duplex receptacles 2 - 20 Amps GFCI.

240 V twist 3 - 50 Amps.

Load lug connection (stud diameter) 1/2 inch.

Load lug circuit breakers 1200 Amps.

H. PowerCommand 3.3 Control System

An integrated microprocessor based generator set control system providing voltage regulation, engine protection, alternator protection, operator interface and isochronous governing.

Masterless Load Demand (MLD) – The controller shall be capable of smartly managing power from paralleled generators to match varying load patterns.

Power management – Control function provides battery monitoring and testing features and smart starting control system.

Advanced control methodology – Three phase sensing, full wave rectified voltage regulation, with a PWM output for stable operation with all load types.

Regulation compliant – Prototype tested: UL, CSA and CE compliant.

Service – InPower™ PC-based service tool available for detailed diagnostics, setup, data logging and fault simulation.

Easily upgradeable – PowerCommand controls shall be designed with common control interfaces.

Reliable design – The control system shall be designed for reliable operation in harsh environment.

Operator panel features

Operator/display functions

- Displays paralleling breaker status
- Provides direct control of the paralleling breaker
- 320 x 240 pixels graphic LED backlight LCD
- Auto, manual, start, stop, fault reset and lamp test/panel lamp switches
- Alpha-numeric display with pushbuttons
- Heated HMI
- LED lamps indicating genset running, remote start, not in auto, common shutdown, common warning, manual run mode, auto mode and stop

Paralleling control functions

- First Start Sensor System selects first genset to close to bus
- Phase Lock Loop Synchronizer with voltage matching
- Sync check relay
- Isochronous kW and kVar load sharing
- Enhanced safety features for paralleling generators

Alternator data

- Line-to-Neutral and Line-to-Line AC volts
- 3-phase AC current
- Frequency
- kW, kVar, power factor kVA (three phase and total)

Engine data

- DC voltage
- Lube oil pressure
- Coolant temperature

Other data

- Fault history
- Data logging and fault simulation (requires InPower)

Standard control functions

- Digital governing
- Integrated digital electronic isochronous governor
- Temperature dynamic governing

Digital voltage regulation

- Integrated digital electronic voltage regulator
- 3-phase, 4-wire Line-to-Line sensing
- Configurable torque matching

AmpSentry AC protection

- AmpSentry protective relay
- Over current and short circuit shutdown
- Over current warning
- Single and three phase fault regulation
- Over and under voltage shutdown
- Over and under frequency shutdown
- Overload warning with alarm contact
- Reverse power and reverse Var shutdown
- Field overload shutdown

Engine protection

- Battery voltage monitoring, protection and testing
- Overspeed shutdown
- Low oil pressure warning and shutdown
- High coolant temperature warning and shutdown
- Low coolant level warning or shutdown
 - Low coolant temperature warning
- Fail to start (overcrank) shutdown
- Fail to crank shutdown
- Cranking lockout

- Sensor failure indication
- Full authority electronic engine protection
- Quick Fit Kit

Control functions

- Time delay start and cool down
- Real time clock for fault and event time stamping
- Cycle cranking
- Load shed
- Remote emergency stop

I. Trailer information

Model C275D2RE

DOT approved electric brake trailer with heavy duty center mounted jack, pintle hitch three (3") inch.

Tire size ST235/85R16

Tire type Radial

Load range E – each

Number of tires per trailer 8

Lug pattern – 8 x6.5

J. Certifications

Generators shall be certified to meet the following standards:

CAN/CSA STD C22.2 NO. 100

CAN/CSA STD C22.2 NO. 14

WARRANTY:

Generators shall carry manufacturer's warranty of Industrial Mobile Base, Prime 3 years/3000 hours.