



Municipalité de / Municipality of Val Rita-Harty
September 1, 2026 - Special Meeting of Council - 06:00 PM

1 Call To Order

THAT this Special Meeting of Council be called to order at _____ p.m.

2 Land Acknowledgement

3 Recital of the Municipal Mission and Vision Statements

4 Adoption of the Agenda

THAT the agenda be adopted as circulated.

5 Declaration of Pecuniary and General Conflict of Interest

6 Working Group

6.1 Procedural Bylaw

📎 Procedural Bylaw Working Document August 2026

7 Special Business

7.1 Emergency Preparedness Grant - Generator

THAT Council authorize the purchase of _____ with funding to come from the Community Emergency Preparedness Grant and -----

📎 Sommers - 100 Kw generator quotation

📎 Sommers - 150 Kw generator quotation

📎 Turgeon Quotations - Automatic Stand-up Generator

📎 Turgeon

📎 Turgeon 100 kw visual

📎 Turgeon 125 kw visual

📎 Rody Retail

📎 Cooper - Quotation

📎 Cooper Visual - 130 kw

📎 Cooper Visual - 95 and 125 kw

📎 Cooper visual - 150-200

📎 Generator load test report

8 Huis Closed/Closed Session

THAT Council move to Closed Session meeting at ____ p.m.. pursuant to Section 239(2) of the *Municipal Act* 239 (2) to consider: (a) security of the property of the municipality or local board regarding relocation of server, (b) personal matters about an identifiable individual, including municipal or local board employees regarding administrative staffing and contracted services; (c) proposed or pending acquisition or disposition of land by the Municipality or local board regarding disposition of surplus land, and (f) advice that is subject to solicitor-client privilege, including communications necessary for that purpose pertaining to legal matter.

9 Report from Closed Meeting Session

THAT Council return to public session at ____ p.m. Council met in Closed Session pursuant to Section 239(2) of the *Municipal Act* to consider (a) security of the property of the municipality or local board, (b) personal matters about an identifiable individual, including municipal or local board employees, (c) proposed or pending acquisition or disposition of land by the Municipality or local board regarding and (f) advice that is subject to solicitor-client privilege, including communications necessary for that purpose pertaining to legal matter. Council directed staff as follows:

10 Adjournment

THAT this Special Meeting of Council be adjourned at _____p.m.

THE CORPORATION OF THE MUNICIPALITY OF VAL RITA-HARTY

BY-LAW NUMBER XXXX

BEING A BY-LAW TO GOVERN THE CALLING, PLACE AND PROCEEDINGS OF MEETINGS OF COUNCIL AND ITS COMMITTEES

Legal Authority

Scope of Powers

Section 8(1) of the *Municipal Act*, 2001, S.O. 2001, c.25, ("*Municipal Act*") as amended, provides that the powers of a municipality shall be interpreted broadly so as to confer broad authority on municipalities to enable them to govern their affairs as they consider appropriate, and to enhance their ability to respond to municipal issues.

Powers of a Natural Person

Section 9 of the *Municipal Act* provides that a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act.

Powers Exercised by Council

Section 5 (1) of the *Municipal Act* provides that the powers of a municipality shall be exercised by its Council

Powers Exercised by By-law

Section 5(3) of the *Municipal Act* provides that a municipal power, including a municipality's capacity, rights, powers and privileges under section 9, shall be exercised by bylaw unless the municipality is specifically authorized to do otherwise.

Procedure Bylaw

Section 238(2) of the *Municipal Act* provides that every municipality and local board shall pass a procedure by-law for governing the calling, place and proceedings of meetings.

Further, section 238(2.1) requires that the procedure by-law must provide for public notice of meetings.

Meeting Rules

Section 238 also permits a municipality to establish rules for electronic participation by members of Council and committees, including participation in meetings that are open or closed to the public and the counting of electronically participating members toward quorum.

Section 239 establishes the circumstances in which Council and committees may meet in closed session.

Sections 240 to 246 establish requirements relating to the calling of meetings, the head of Council, voting, tie votes and recorded votes.

Other Legislation

Council and the Municipality shall comply with all legislation applicable to municipal meetings, governance, records, privacy, accessibility and conflicts of interest. This includes, but is not limited to:

- *Municipal Conflict of Interest Act*;
- *Municipal Freedom of Information and Protection of Privacy Act*;
- *Accessibility for Ontarians with Disabilities Act, 2005*; and
- any other applicable legislation, as amended from time to time.

Preamble

Council understands that clear meeting procedures are necessary for Council to conduct its business in a fair and orderly manner.

Council also understands that meeting procedures should be practical and easy for Council, staff and the public to follow.

Council is committed to meetings that are open, respectful and accessible. The procedures set out in this By-law are intended to support effective decision-making and provide appropriate opportunities for public participation.

Decision

Council for the Corporation of the Township of Val Rita-Harty considers it in the best interest of the Municipality to establish clear and practical rules for Council and Committee meetings.

Direction

NOW THEREFORE the Council of the Corporation of the Township of Val Rita-Harty directs as follows:

1. That This bylaw shall be read together with applicable municipal policies, including:
 - Council Code of Conduct;
 - Employee Code of Conduct;
 - Records Management Policy;
 - Accessibility Policy;
 - Council and Staff Communication Policy; and
 - other policies adopted by Council that relate to municipal governance and meetings.
2. That the following schedules attached hereto form part of this bylaw:
 - a. Schedule "A" – Meeting Procedures
 - b. Schedule "B" – Calling, Notice and Administration of Meetings

- c. Schedule "C" – Meeting Conduct and Decision-Making
 - d. Schedule "D" – Closed Session Procedures
 - e. Schedule "E" – Working Group Discussion and Public Participation
 - f. Schedule "F" – Committees, Boards and Appointments
3. That administrative forms and procedures may be developed and approved by Council resolution to support the implementation of this bylaw including meeting agenda formats, public participation forms and committee appointment lists.
 4. That the Clerk shall monitor legislative changes affecting this bylaw.
 5. That Council shall review this bylaw during each term of Council or at any other time Council considers appropriate.
 6. That administrative changes may be made by resolution of Council.
 7. That a Schedule or provision that establishes a legal requirement of this bylaw shall be amended by bylaw.
 8. That this bylaw repeals bylaw xxxxx.
 9. That this bylaw takes effect upon its passing

Schedule A to Bylaw XXXXX

Meeting Procedures

1. General

1.1 Application

These procedures applies to meetings of:

- a) Council;
- b) Committees of Council;
- c) advisory committees established by Council;
- d) task forces and other Council-appointed bodies where Council directs that this By-law apply; and
- e) local boards where Council is required to establish meeting procedures.

1.2 Legislation

Where this By-law conflicts with applicable legislation, the legislation shall prevail.

1.3 Parliamentary Rules

Council does not adopt Robert's Rules of Order or any other parliamentary rule book.

Council meetings shall be governed by this By-law and applicable legislation.

1.4 Procedural Advice

The Clerk shall provide procedural advice to Council and the Chair.

The Chair shall make procedural rulings during a meeting.

1.5 Principles

Council shall conduct its meetings in a manner that supports:

- a) accountability;
- b) transparency;
- c) accessibility;
- d) respectful discussion;
- e) informed decision-making;

- f) responsible use of municipal resources; and
- g) the public interest.

2. Council and Staff Roles

2.1 Council

Council shall:

- a) establish municipal policy;
- b) establish priorities and strategic direction;
- c) approve the municipal budget;
- d) make decisions within its legal authority; and
- e) provide oversight of municipal affairs.

2.2 Municipal Staff

Municipal staff shall:

- a) carry out Council's decisions;
- b) manage the day-to-day operations of the Municipality;
- c) provide professional and administrative advice to Council; and
- d) administer municipal programs and services within the authority assigned to them.

2.3 Individual Members of Council

An individual member of Council, including the Mayor, shall not direct municipal staff or commit the Municipality unless that authority has been provided by Council, delegated by law or otherwise authorized.

2.4 Council Direction to Staff

Council direction to municipal staff shall normally be provided by resolution or through the authority assigned to the appropriate municipal officer.

Council shall not use meeting procedures to take over routine administrative responsibilities assigned to municipal staff.

3. Meetings

3.1 Meeting Types

Council and its Committees may hold:

- a) Regular Meetings;
- b) Special Meetings;
- c) Emergency Meetings;
- d) Closed Meetings or closed portions of meetings;
- e) Committee Meetings; and
- f) Working Group Discussions.

3.2 Definition of Meeting

For the purposes of this Bylaw "meeting" has the meaning set out in the *Municipal Act, 2001*.

A discussion shall not be classified as a Working Group Discussion, information session or other type of gathering for the purpose of avoiding the requirements that apply to a statutory meeting.

3.3 Regular Meetings

Council shall establish its Regular Meeting schedule by resolution.

The Clerk shall make the schedule available to the public.

3.4 Special Meetings

A Special Meeting may be called by the Mayor or in accordance with the *Municipal Act, 2001*.

Notice shall be provided in accordance with Schedule "A".

3.5 Emergency Meetings

An Emergency Meeting may be called where immediate action is required.

The normal notice requirements may be waived where the circumstances make them impractical.

The Clerk shall make reasonable efforts to notify Council members and the public as soon as possible.

3.6 Cancellation

A meeting may be cancelled where:

- a) Council directs the cancellation;

- b) the Mayor or Chair determines that circumstances make the meeting unsafe or impractical; or
- c) another circumstance requires cancellation.

The Clerk shall provide notice of cancellation as soon as reasonably possible.

4. Notice and Council Packages

4.1 Public Notice

The Municipality shall provide public notice of Council and Committee meetings in accordance with Schedule "A".

4.2 Council Package

The Council Package for a Regular Meeting shall be distributed to Council members not less than seven (7) calendar days before the meeting.

4.3 Contents

The Council Package should include:

- a) the Agenda;
- b) staff reports;
- c) correspondence;
- d) draft by-laws;
- e) recommendations; and
- f) other information intended to assist Council in considering the business before it.

4.4 Late Information

Information received after the Council Package has been distributed may be provided to Council where:

- a) the information is time-sensitive;
- b) the information was not reasonably available earlier;
- c) waiting until another meeting could negatively affect the Municipality; or
- d) the Clerk determines that Council should receive the information.

Late information should be identified as such where practical.

5. Electronic Participation

5.1 Electronic Participation Permitted

A member of Council or a Committee may participate electronically in a meeting in accordance with this By-law and the *Municipal Act, 2001*.

Electronic participation may occur in meetings that are open or closed to the public.

5.2 Quorum

A Council or Committee member participating electronically may be counted in determining quorum.

5.3 Participation

A member participating electronically shall be able to:

- a) hear the meeting;
- b) be heard by the other participants;
- c) participate in discussion;
- d) vote where entitled to vote; and
- e) otherwise participate in the meeting in the same manner as reasonably possible for a member attending in person.

5.4 Camera Requirement

A person participating in a meeting by video shall have their camera on and remain visible to the other participants while participating.

This requirement applies to:

- a) members of Council;
- b) Committee members;
- c) municipal staff;
- d) presenters;
- e) delegates;
- f) invited speakers; and
- g) any other person participating by video.

5.5 Permission to Turn Off Camera

A person may turn off their camera only with the permission of the Chair.

The Chair may permit a camera to be turned off where:

- a) there is a technical problem;
- b) the person needs to attend to an urgent matter;
- c) privacy or confidentiality requires it;
- d) the person is experiencing a circumstance that makes continued camera use unreasonable; or
- e) the Chair considers it reasonable in the circumstances.

5.6 Council Members

A Council or Committee member participating electronically is expected to keep their camera on for the duration of their participation unless the Chair gives permission otherwise.

A member who turns off their camera without permission may be directed by the Chair to turn it back on.

5.7 Presenters and Delegates

A presenter, delegate, staff member, invited speaker or other participant participating by video shall keep their camera on while participating unless the Chair gives permission otherwise.

5.8 Location

A person participating electronically shall make reasonable efforts to participate from a location that:

- a) allows the person to hear and be heard;
- b) limits unnecessary interruptions; and
- c) is appropriate for the meeting.

5.9 Closed Meetings

A member participating electronically in a closed meeting shall take reasonable steps to ensure that:

- a) the meeting cannot be overheard by an unauthorized person;
- b) confidential documents cannot be viewed by an unauthorized person; and
- c) the member participates from a location where the confidentiality of the meeting can be maintained.

The Chair may require a member participating electronically in a closed meeting to confirm that no unauthorized person is present or able to hear the meeting.

5.10 Technical Difficulties

Where technical difficulties prevent effective participation, the Chair may recess the meeting.

Where quorum remains, the meeting may continue.

If quorum is lost, the Chair shall deal with the matter in accordance with this By-law.

6. Quorum

6.1 Quorum

A majority of the members of Council or a Committee constitutes quorum unless legislation provides otherwise.

6.2 Quorum at Start of Meeting

If quorum is not present within fifteen (15) minutes after the scheduled start time, the meeting shall be adjourned.

6.3 Loss of Quorum

If quorum is lost during a meeting, the Chair shall recess or adjourn the meeting.

No decision shall be made while quorum is not present.

7. Council Agenda and Business

7.1 Agenda

The Clerk shall prepare the Agenda in accordance with the Agenda Format approved by Council.

7.2 Agenda Format

The standard Agenda Format shall be approved by Council by resolution.

The Agenda Format may be changed by resolution.

The current Agenda Format shall be maintained as an administrative Appendix to Schedule "A".

7.3 Business Before Council

Council should make decisions on matters properly placed before it.

Council may refer a matter to staff where additional information is required.

7.4 Staff Reports

Staff reports should provide enough information for Council to understand the matter and make an informed decision.

Where applicable, a staff report should identify:

- a) the issue;
- b) background information;
- c) applicable legislation or policy;
- d) financial implications;
- e) risks or other considerations;
- f) options; and
- g) the staff recommendation.

8. Chair

8.1 Mayor as Chair

The Mayor shall preside over Council meetings.

8.2 Absence of Mayor

Where the Mayor is absent or unable to act, Council shall appoint a member to preside in accordance with the *Municipal Act, 2001*.

8.3 Authority of Chair

The Chair shall:

- a) open and close the meeting;
- b) recognize speakers;
- c) keep discussion focused;
- d) rule on procedural questions;
- e) call votes;
- f) announce the results of votes; and
- g) take reasonable steps to maintain order.

8.4 Direction of Chair

Participants shall follow the direction of the Chair unless Council determines otherwise in accordance with this By-law.

9. Motions and Voting

9.1 Motions

A matter requiring a Council decision shall be brought forward by a motion or resolution.

9.2 Stating the Motion

The Chair shall clearly state the motion before the vote is taken.

9.3 Discussion

A member shall be recognized by the Chair before speaking.

Discussion shall relate to the matter before Council.

9.4 Amendments

A motion may be amended where the amendment relates to the original motion and is permitted by law.

9.5 Voting

Each member shall have one vote unless legislation provides otherwise.

9.6 Open Vote

Voting shall be open.

A secret ballot shall not be used unless specifically permitted by legislation.

9.7 Recorded Vote

A member may request a recorded vote before the vote is taken.

The Clerk shall record the name and vote of each member.

9.8 Tie Vote

A tie vote is lost unless legislation provides otherwise.

9.9 Reconsideration

Council may reconsider a previous decision where permitted by law.

A request for reconsideration should identify the decision and the reason reconsideration is being requested.

10. Open and Closed Meetings

10.1 Open Meetings

Council and Committee meetings shall be open to the public unless a meeting or part of a meeting is permitted or required to be closed by law.

10.2 Closed Meetings

Council may meet in closed session only where permitted or required by the *Municipal Act, 2001* or another applicable Act.

10.3 Resolution to Close Meeting

Before holding a closed meeting or closed portion of a meeting, Council shall pass a resolution stating:

- a) the fact that a closed meeting will be held; and
- b) the general nature of the matter to be considered.

The resolution shall identify the applicable statutory authority for the closed meeting.

10.4 No Unauthorized Closed Discussion

Council members shall not discuss municipal business privately in a manner that circumvents the open meeting requirements of the *Municipal Act, 2001*.

10.5 Closed Meeting Confidentiality

Members, staff and other authorized participants shall keep information discussed in closed session confidential where required by law or by Council.

10.6 Decisions

Council shall not make a decision in closed session except where permitted by law.

Council may provide direction to staff or take other procedural steps in closed session where permitted by law.

11. Public Participation

11.1 Public Access

The Municipality shall provide reasonable public access to open meetings.

11.2 Participation Opportunities

Council may provide opportunities for members of the public to:

- a) make a delegation;
- b) make a presentation;

- c) participate in a Working Group Discussion;
- d) provide written information; or
- e) provide other information for Council's consideration.

11.3 Public Participation Is Not Debate

A person participating in a public participation opportunity does not have a right to debate with Council.

Council members may ask questions through the Chair.

11.4 Participation Procedures

The Clerk may establish reasonable procedures for:

- a) registration;
- b) speaking order;
- c) speaking time;
- d) written submissions; and
- e) electronic participation.

12. Meeting Conduct

12.1 Respectful Conduct

Members of Council, staff, presenters, delegates and members of the public shall conduct themselves respectfully.

12.2 Prohibited Conduct

A person participating in a meeting shall not:

- a) make personal attacks;
- b) use threatening, abusive or discriminatory language;
- c) deliberately disrupt the meeting;
- d) repeatedly interrupt another speaker;
- e) refuse to follow the direction of the Chair; or
- f) otherwise interfere with the orderly conduct of the meeting.

12.3 Removal

The Chair may direct a person to leave a meeting where the person is engaging in improper or disruptive conduct.

Where necessary, the Chair may request assistance from the appropriate authorities.

13. Declarations of Pecuniary Interest

13.1 Legislative Requirement

Members shall comply with the *Municipal Conflict of Interest Act*.

13.2 Declaration

A member who has a pecuniary interest in a matter shall:

- a) declare the interest;
- b) disclose the general nature of the interest; and
- c) comply with the requirements of the *Municipal Conflict of Interest Act*.

13.3 Minutes

The Clerk shall record declarations of pecuniary interest as required by law.

14. Committees and Other Council Bodies

14.1 Establishment

Council may establish Committees, advisory committees, task forces, Working Groups and other Council bodies by by-law or resolution where permitted by law.

14.2 Terms of Reference

Each Committee shall operate under Terms of Reference approved by Council.

14.3 Committee Authority

A Committee shall not:

- a) spend municipal funds unless authorized;
- b) direct municipal staff;
- c) make decisions on behalf of Council unless authority has been delegated; or
- d) exercise authority that has not been given to it.

14.4 Appointments

Council shall appoint members to Committees and other Council-appointed bodies by resolution unless legislation provides otherwise.

14.5 Mayor's Recommendations

The Mayor shall recommend appointments for Council's consideration.

The Mayor's recommendation does not become an appointment until Council approves it.

14.6 Mayor as Ex Officio Member

The Mayor shall be an ex officio member of Council Committees unless legislation or the Committee's Terms of Reference provides otherwise.

14.7 Committee Reports

Committee recommendations shall be reported to Council where Council approval is required.

14.8 Committee Review

Council may review the purpose, membership, work and continued need for any Committee.

Council may dissolve a Committee where permitted by law.

15. Working Group Discussions

15.1 Purpose

Council may use a Working Group Discussion to:

- a) explore an issue;
- b) develop policy;
- c) undertake strategic planning;
- d) gather information;
- e) review options;
- f) engage the community; or
- g) develop possible recommendations for Council.

15.2 No Decision-Making Authority

A Working Group Discussion does not have authority to make a decision on behalf of Council.

A matter requiring Council approval shall be brought before Council.

15.3 No Circumvention

A Working Group Discussion shall not be used to avoid the open meeting requirements of the *Municipal Act, 2001*.

Where a Working Group Discussion meets the statutory definition of a meeting, the requirements that apply to meetings shall apply.

15.4 Participants

Council may invite:

- a) municipal staff;
- b) consultants;
- c) technical experts;
- d) community organizations;
- e) members of the public; and
- f) other persons with relevant information.

15.5 Facilitator

The Mayor, Chair or person appointed by Council shall lead the discussion.

The facilitator may establish reasonable procedures for:

- a) speaking order;
- b) speaking time;
- c) presentations;
- d) questions; and
- e) maintaining an orderly discussion.

15.6 Working Materials

Materials reviewed during a Working Group Discussion are provided for the purpose of the discussion and exploration of the matter.

A draft, presentation, background document, discussion paper or other working material does not become a Council decision, recommendation or official municipal position simply because it is reviewed during a Working Group Discussion.

Participants shall not represent working material as having been approved or adopted by Council unless Council has actually approved or adopted it.

15.7 Working Materials and MFIPPA

A document does not become a municipal record solely because it is shown, discussed or reviewed during a Working Group Discussion.

Where a document is provided solely for discussion or working purposes and is not otherwise in the custody or control of the Municipality, it shall not be treated as a municipal record solely because it was used during the discussion.

Whether a document is a record in the custody or control of the Municipality shall be determined in accordance with MFIPPA and other applicable law.

Nothing in this section authorizes the destruction, alteration, concealment, disposal or withholding of a record where the Municipality is required by law to keep, preserve or disclose it.

Where working material is subsequently used to prepare a Council report, bylaw policy, resolution or other municipal document, the resulting document shall be managed as a municipal record in accordance with applicable legislation and the Municipality's records management requirements.

15.8 Confidential Working Materials

Participants shall not disclose confidential information provided during a Working Group Discussion where confidentiality is required by law or by direction of Council.

15.9 Record of Discussion

The Clerk or designate may maintain a record of a Working Group Discussion.

The record does not need to be a word-for-word transcript unless Council directs otherwise.

16. Minutes and Municipal Records

16.1 Minutes

The Clerk shall record the proceedings of Council and Committees without note or comment as required by law.

16.2 Content

Minutes shall identify:

- a) the date and location of the meeting;
- b) the members present;
- c) declarations of pecuniary interest;
- d) the matters considered;

- e) resolutions and decisions; and
- f) other information required by law.

16.3 Closed Meeting Records

The Clerk shall maintain records of closed meetings as required by law.

16.4 Municipal Records

Municipal records shall be managed in accordance with applicable legislation and the Municipality's Records Retention Bylaw.

16.5 Confirmatory Bylaw

Council may pass a Confirmatory Bylaw at the conclusion of a Meeting to confirm the proceedings and decisions made during the meeting.

Schedule B to Bylaw XXXXX

Calling, Notice and Administration of Meetings

1. Regular Meeting Schedule

Council shall establish its Regular Meeting schedule by resolution.

The Clerk shall make the schedule available to the public.

2. Notice of Meetings

The Clerk shall provide public notice of Council and Committee meetings in accordance with this By-law.

Notice shall identify:

- a) the date;
- b) the time;
- c) the location or electronic access information; and
- d) the general business to be considered where appropriate.

3. Special Meeting Notice

Notice of a Special Meeting shall be provided at least twenty-four (24) hours before the meeting unless the meeting is an Emergency Meeting.

The notice shall identify:

- a) the date;
- b) the time;
- c) the location or electronic access information;
- d) the purpose of the meeting; and
- e) the business to be considered.

4. Emergency Meetings

An Emergency Meeting may be called where immediate action is required.

Where circumstances make the normal notice period impractical, notice shall be provided as soon as reasonably possible.

5. Council Package

The Council Package for a Regular Meeting shall be provided to Council members not less than seven (7) calendar days before the meeting.

6. Late Information

Information received after the Council Package has been distributed may be provided to Council where appropriate.

The Clerk should identify late information where practical.

7. Cancellation

Where a meeting is cancelled, the Clerk shall provide notice as soon as reasonably possible.

8. Electronic Meetings

Where a meeting is held electronically, reasonable public access shall be provided for open meetings.

Members participating electronically shall comply with the requirements in Part 5 of this By-law.

9. Agenda Format

The standard Council Agenda Format shall be approved by resolution.

The Agenda Format may be amended by resolution at any time.

Schedule C to Bylaw XXXXX

Meeting Conduct and Decision-Making

1. Purpose

Council meetings are working meetings.

The procedures in this Schedule are intended to help Council discuss matters, consider information and make decisions in an orderly manner.

2. Speaking

A member must be recognized by the Chair before speaking.

Members shall speak through the Chair.

3. Discussion

Discussion shall relate to the matter before Council.

The Chair may ask a member to return to the matter being considered.

4. Point of Order

A member may raise a point of order where the member believes that the meeting is not following legislation or this By-law.

The Chair shall rule on the point of order.

5. Motions

The Chair shall clearly state the motion before the vote is taken.

6. Amendments

A motion may be amended where the amendment relates to the original motion and is permitted by law.

7. Voting

Each member shall have one vote unless legislation provides otherwise.

8. Recorded Vote

A recorded vote shall be taken where requested in accordance with this By-law.

9. Public Conduct

The Chair may direct a person to stop disruptive conduct or leave the meeting.

10. Electronic Participation

The electronic participation requirements in Part 5 apply to all electronic participation in meetings governed by this Schedule.

WORKING DOCUMENT ONLY

Schedule D to Bylaw XXXXX Closed Meeting Procedures

Insert existing procedures

WORKING DOCUMENT ONLY

Schedule E to Bylaw XXXXX

Working Group Discussions and Public Participation

1. Purpose

Working Group Discussions provide an opportunity to explore an issue before Council is asked to make a formal decision.

2. No Decision-Making

A Working Group Discussion does not make decisions on behalf of Council.

3. Participants

Council may invite staff, consultants, experts, community organizations, members of the public and other persons with relevant information.

4. Facilitation

The Chair or person appointed by Council shall lead the discussion.

5. Public Participation

Where public participation is offered, the Clerk may establish reasonable registration and speaking procedures.

6. Speaking Time

Reasonable speaking limits may be established to provide participants with a fair opportunity to speak.

7. Working Materials

Working materials are provided for discussion and exploration.

A working document does not become a Council decision or official Council position simply because it is discussed.

8. Records

Working materials shall be handled in accordance with Part 15 of this By-law.

Nothing in this Schedule overrides MFIPPA, records retention requirements or any other applicable legislation.

9. Record of Discussion

A record of the discussion may be maintained.

Where the discussion meets the statutory definition of a meeting, all applicable legislative requirements apply.

WORKING DOCUMENT ONLY

Schedule F to Bylaw XXXXX

Committees, Boards and Appointments

1. Establishment

Council may establish Committees and other Council-appointed bodies by by-law or resolution where permitted by law.

2. Terms of Reference

Each Committee shall operate under Terms of Reference approved by Council.

3. Appointments

Council shall appoint Committee members by resolution unless legislation provides otherwise.

4. Mayor's Recommendation

The Mayor shall recommend appointments for Council's consideration.

The recommendation does not become an appointment until Council approves it.

5. Mayor as Ex Officio Member

The Mayor shall be an ex officio member of Council Committees unless legislation or the applicable Terms of Reference provides otherwise.

6. Length of Appointment

Appointments shall normally continue for the term of Council unless Council determines otherwise.

A member shall continue to serve until:

- a) a successor is appointed;
- b) the member resigns;
- c) the member is removed where permitted by law; or
- d) the Committee is dissolved.

7. Vacancies

Council shall fill Committee vacancies by resolution.

8. Committee Authority

A Committee shall work within the authority given to it by Council.

A Committee shall not:

- a) commit municipal funds unless authorized;
- b) direct municipal staff;
- c) make decisions for Council unless authority has been delegated; or
- d) exercise authority that has not been given to it.

9. Committee Recommendations

A Committee recommendation requiring Council approval shall be brought forward to Council.

A Committee recommendation does not become a decision of the Municipality until Council approves it where Council approval is required.

10. Committee Review

Council may review the purpose, membership, work and continued need for a Committee at any time.



Sommers Motor-Generator Sales Limited

70 Packham Ave
Stratford, ON
N4Z 0A6

Phone: 1-800-690-2396
Fax: 519-508-3176

Bill To:

Box 100
Val Rita-Harty, ON
POL 2G0

Contact: Stefan

Original

SALES QUOTATION

Document Number	Document Date	Page
127238	22/06/2026	1/3
Customer No.	Due Date	Federal Tax ID -
L4086	22/07/2026	
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22/07/2026	Dylan Edes 705-498-5451 dylan.edes@sommersgen.com	

Ship To:

Val Rita-Harty,
POL 2G0

Payment Term	C-Cash	Credit Limit	0.00
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Orders with cash terms must be 100% paid before delivery.
Orders greater than \$100,000 or non-stock items require:
- 25% deposit at sales order agreement
- 25% deposit at production
- Remainder invoiced at delivery
Amounts above credit limit must be paid before delivery

Description	Quantity	UoM	Price	Total
001 - Sommers Generator Systems is not responsible for mistakes or omissions. - Quoted pricing assumes no significant tariff-related cost increases. Sommers Generator Systems reserves the right to adjust pricing based on changes in material costs due to new trade policies and/or changes in market indices. -Estimated delivery time TBD. -Deliver to site only, set in place by others. -All site installation, permits, and TSSA site inspection by others -Orders that have customer delayed deliveries more than 6 months past delivery date may be subject to price variances incurred by Supplier that exceed more than 2% of the original pricing. -Orders with delivery dates beyond 12 months may be subject to a price adjustment up to a max of 5% -Quoted delivery rates are estimates and may change due to market conditions, including fuel price fluctuations				
002 Diesel Generator 100kWe 347/600V 3Ph, Silent Enclosure, Perkins Tier 3, Stamford 17Wdg, DGPSW100STT3U Item Code: 16437 Standard Features; Perkins 1104D-E44TAG2 Tier 3 Engine, Stamford Alternator, Sound Attenuated Enclosure, Deep Sea 7320MKII Controller, 125 Amp 3 Pole Schiender Circuit Breaker, 1000 W Kimhotstart Engine Heater, 12V Battery Charger & Battery, Frame CKS	1	Each	54,744.00	54,744.00
003 Double Wall Sub Base Tank, 190USG, ULC S601, Fits DGPSW100 24 hour run time - CK1S-190 Item Code: 22461 External Fill Spill Box & Vents, Rupture Alarm, Flexible Fuel Lines. Fuel for site use & testing by others. Onsite Fuel Compliance Inspection is Not included.	1	Each	12,156.00	12,156.00
004 ** ** - Sub base tank price includes Adder - CK1S Subframe c/w Forklift pockets, SAP P0528				

Additional Expenses

Shipping Type:

#	Description	Net	Tax Code	Tax %	Tax	Gross
15		5,200.00	ON	13.0000	676.00	5,876.00

Quotation Subtotal: **CAD 66,900.00**

Additional Expenses: **CAD 5,200.00**

Total Before Tax: **CAD 72,100.00**

Total Tax Amount: **CAD 9,373.00**

Total Amount: CAD 81,473.00

Terms & Conditions

Payment Terms: [See prior page for your terms]

Cash Account: Orders greater than \$5,000.00 require an upfront deposit of 25%, balance due prior to delivery/pick-up.

Net 30 Accounts: Orders greater than \$50,000.00 require upfront deposit of 25%, balance due net 30 days after delivery/pickup

Wholesale accounts: Based on agreed terms.

Mastercard and Visa accepted for orders less than \$10K, a 2% admin fee of total invoice including taxes will be added to your payment for payments greater than \$10K paid by credit card.

Sales Quote terms:

Quote lead times are based on date of quote signed and receipt of deposit (if applicable). Timelines are based on product availability and failure to meet the lead time will not result in any financial compensation.

All quotes must be signed and/or purchase order received. By signing, the customer confirms all aspects of the order to be complete and correct including voltage, KW, and fuel type. Sommers Generator Systems will not be liable for undersized or misapplied equipment when Sommers Generator Systems was not involved in sizing and specifying of the equipment or misadvised of the intended application of the equipment. All changes to the original sales order must be made in writing by a revised/new sales order, signed and dated.

All custom orders, fuel upgrades and special-order products not stocked require a 25% deposit.

Deposits/Holdbacks:

All Deposits are due within 15 days of signed quote. The quote will only be released to production or purchasing after deposit is received and confirmed. Any deposit not paid within 15 days of signed order is declared void and the order will be cancelled. All deposits are non-refundable and are only refunded under special circumstances at Sommers Generator Systems discretion.

Holdbacks must be agreed to in writing on the quote/sales order at the time of order and are due in full upon completion of Sommers Generator Systems commitment.

Delivery terms:

Freight - Freight is F.O.B the selling office (Stratford/Dieppe/Kingston). Freight is extra unless stated otherwise on order and is an estimate only, quoted on the day of quotation. Before delivery Sommers Generator Systems will notify the customer if the actual freight is greater than 30% of estimated freight.

The customer is responsible for providing adequate means for offloading safely and positioning in place on site unless arrangements have been made in writing on the sales order.

Sommers Generator Systems is not liable, nor commit to specific delivery times on LTL or non-expedited freight. Sommers Generator Systems will not be liable for the associated costs of missed or late delivery times on LTL and non-expedited freight.

Storage/Holding Charges - Units not delivered/picked up after 30 days of notification may be subject to storage/holding charges at Sommers Generator Systems sole discretion to a maximum of \$250/month. Orders delayed for shipping because of site conditions may have 20% of the balance billed and/or holding charges and are due per the customer's payment terms. Equipment may be released for sale or be put back into inventory if payment is not received within the payment terms.

Delivery times are subject to change due to component availability. Sommers Generator Systems will not be held liable for penalty charges on late deliveries.

Returns:

Return Policy - All returned items must be in "as new" condition, of current design, less than 90 days since invoiced date. Returns must be accompanied by an invoice and approved RMA. All returns are subject to a 25% handling/restocking fee, at Sommers Generator Systems sole discretion. All shipping fees are the responsibility of the customer including but not limited to any prepaid shipping arrangements. Electronic devices such as, but not limited to voltage regulators, engine controllers, transfer switch controllers and battery chargers, are not eligible for return.

Commissioning/Training:

Commissioning when quoted is based on one trip to site unless stated otherwise. Commissioning, unless stated otherwise, is done during normal business hours (Mon-Fri 8am to 5pm).

Commissioning and training are only included when specified on the quotation/order and is billed to the customer at time of equipment delivery.

Commissioning times must be booked two weeks prior to the date commissioning is to occur. The customer is responsible for ensuring the installation and wiring is complete, fuel has been delivered, and the personnel who are required to attend the start-up and training are invited and present. Should Sommers Generator Systems personnel arrive to site on the scheduled time and delays or extra trips are required due to any of the above conditions not met or if the installation fails our inspection and results in a second trip for re-inspection. Extra charges will be determined at the sole discretion of Sommers Generator Systems and must be paid in full prior to commencement of a second commissioning date. Extra charges will apply to a cancellation of a commissioning by the customer less than 24hrs before the scheduled time.

Interest Provision:

For value received, customer hereby agrees that any part of the stated purchase price of the described merchandise not paid when due in accordance with the terms of payment specified, shall draw interest from due date at a rate of 2% per month, including hold backs.

The customer agrees to pay the amount due with interest as above stated upon demand and in case of suit hereon, agrees to pay attorney's fees.

ORDER AUTHORIZATION - (Circle Options, Sign & Return)

Signature _____

Date _____

**Sommers Motor-Generator Sales Limited**

70 Packham Ave
Stratford, ON
N4Z 0A6

Phone: 1-800-690-2396
Fax: 519-508-3176

Bill To:

Box 100
Val Rita-Harty, ON
POL 2G0

Contact: Stefan

Original**SALES QUOTATION**

Document Number	Document Date	Page
128253	26/08/2026	1/3
Customer No.	Due Date	Federal Tax ID -
L4086	26/09/2026	
Valid Until	Your Contact	
26/09/2026	Dylan Edes 705-498-5451 dylan.edes@sommersgen.com	

Ship To:

Val Rita-Harty,
POL 2G0

Payment Term	C-Cash	Credit Limit	0.00
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Orders with cash terms must be 100% paid before delivery.
Orders greater than \$100,000 or non-stock items require:
- 25% deposit at sales order agreement
- 25% deposit at production
- Remainder invoiced at delivery
Amounts above credit limit must be paid before delivery

	Description	Quantity	UoM	Price	Total
001	- Sommers Generator Systems is not responsible for mistakes or omissions. - Quoted pricing assumes no significant tariff-related cost increases. Sommers Generator Systems reserves the right to adjust pricing based on changes in material costs due to new trade policies and/or changes in market indices. -Estimated delivery time TBD. -Deliver to site only, set in place by others. -All site installation, permits, and TSSA site inspection by others -Orders that have customer delayed deliveries more than 6 months past delivery date may be subject to price variances incurred by Supplier that exceed more than 2% of the original pricing. -Orders with delivery dates beyond 12 months may be subject to a price adjustment up to a max of 5% -Quoted delivery rates are estimates and may change due to market conditions, including fuel price fluctuations				
002	Diesel Generator 150kW 347/600V 3Ph, Silent Enclosure, Deutz Tier 3, Stamford 17Wdg, DGDSW150STT3U Item Code: 24849 Standard Features; Deutz TCD2013L062V Tier 3 Engine, Stamford Alternator UCI274E, Sound Attenuated Enclosure, Deep Sea 7320MKII Controller, 200 Amp 3 Pole Schiender Circuit Breaker, 1500 W Kimhotstar Engine Heater, 24V Battery Charger & Battery, Frame DKS	1	Each	66,277.00	66,277.00
003	Double Wall Sub Base Tank, 325USG, ULC S601, Fits DGVSW150 24 hour run time - DKS-325 Item Code: 22033 External Fill Spill Box & Vents, Rupture Alarm, Flexible Fuel Lines. Fuel for site use & testing by others. Onsite Fuel Compliance Inspection is Not included.	1	Each	16,041.00	16,041.00
004	** ** - Sub base tank price includes Adder - DKS-325 Subframe c/w Forklift pockets, SAP # P0542				

Additional Expenses

Shipping Type:

#	Description	Net	Tax Code	Tax %	Tax	Gross
8		5,330.00	ON	13.0000	692.90	6,022.90

Quotation Subtotal: **CAD 82,318.00**

Additional Expenses: **CAD 5,330.00**

Total Before Tax: **CAD 87,648.00**

Total Tax Amount: **CAD 11,394.24**

Total Amount: CAD 99,042.24

Terms & Conditions

Payment Terms: [See prior page for your terms]

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Net 30 Accounts: Orders greater than \$50,000.00 require upfront deposit of 25%, balance due net 30 days after delivery/pickup

Wholesale accounts: Based on agreed terms.

Mastercard and Visa accepted for orders less than \$10K, a 2% admin fee of total invoice including taxes will be added to your payment for payments greater than \$10K paid by credit card.

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All custom orders, fuel upgrades and special-order products not stocked require a 25% deposit.

Deposits/Holdbacks:

All Deposits are due within 15 days of signed quote. The quote will only be released to production or purchasing after deposit is received and confirmed. Any deposit not paid within 15 days of signed order is declared void and the order will be cancelled. All deposits are non-refundable and are only refunded under special circumstances at Sommers Generator Systems discretion.

Holdbacks must be agreed to in writing on the quote/sales order at the time of order and are due in full upon completion of Sommers Generator Systems commitment.

Delivery terms:

Freight - Freight is F.O.B the selling office (Stratford/Dieppe/Kingston). Freight is extra unless stated otherwise on order and is an estimate only, quoted on the day of quotation. Before delivery Sommers Generator Systems will notify the customer if the actual freight is greater than 30% of estimated freight.

The customer is responsible for providing adequate means for offloading safely and positioning in place on site unless arrangements have been made in writing on the sales order.

Sommers Generator Systems is not liable, nor commit to specific delivery times on LTL or non-expedited freight. Sommers Generator Systems will not be liable for the associated costs of missed or late delivery times on LTL and non-expedited freight.

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Delivery times are subject to change due to component availability. Sommers Generator Systems will not be held liable for penalty charges on late deliveries.

Returns:

Return Policy - All returned items must be in "as new" condition, of current design, less than 90 days since invoiced date. Returns must be accompanied by an invoice and approved RMA. All returns are subject to a 25% handling/restocking fee, at Sommers Generator Systems sole discretion. All shipping fees are the responsibility of the customer including but not limited to any prepaid shipping arrangements. Electronic devices such as, but not limited to voltage regulators, engine controllers, transfer switch controllers and battery chargers, are not eligible for return.

Commissioning/Training:

Commissioning when quoted is based on one trip to site unless stated otherwise. Commissioning, unless stated otherwise, is done during normal business hours (Mon-Fri 8am to 5pm).

Commissioning and training are only included when specified on the quotation/order and is billed to the customer at time of equipment delivery.

Commissioning times must be booked two weeks prior to the date commissioning is to occur. The customer is responsible for ensuring the installation and wiring is complete, fuel has been delivered, and the personnel who are required to attend the start-up and training are invited and present. Should Sommers Generator Systems personnel arrive to site on the scheduled time and delays or extra trips are required due to any of the above conditions not met or if the installation fails our inspection and results in a second trip for re-inspection. Extra charges will be determined at the sole discretion of Sommers Generator Systems and must be paid in full prior to commencement of a second commissioning date. Extra charges will apply to a cancellation of a commissioning by the customer less than 24hrs before the scheduled time.

Interest Provision:

For value received, customer hereby agrees that any part of the stated purchase price of the described merchandise not paid when due in accordance with the terms of payment specified, shall draw interest from due date at a rate of 2% per month, including hold backs.

The customer agrees to pay the amount due with interest as above stated upon demand and in case of suit hereon, agrees to pay attorney's fees.

ORDER AUTHORIZATION - (Circle Options, Sign & Return)

Signature _____

Date _____



(1404371 Ontario Limited)
ECRA/ESA License # 700917
14 Ash Street, Unit B
Kapusksing, ON P5N 2C8
(705) 335-6100

QUOTATION

August 25th, 2026

MUNICIPALITY OF VAL-RITA-HARTY

106 Government Road
Val Rita, ON
P0L 1G0

Attention Bert Filion

RE: MUNICIPAL OFFICE BUILDING – AUTOMATIC STAND-BY GENERATOR

We are pleased to quote you on the supply only of a 100KW stand-by generator as per following options:

Option # 1

- SENECA model 100DHS3-208V-125C (steel enclosure)
- 100KW / 600V 3 phase (diesel)
- Stand-by stationery generator, EPA Certified, 24Hr Fuel Tank, CSA

YOUR PRICE: \$ 107,250.00 + HST

Delivery Lead Time: 6 months

Option #2

- SENECA model 125DHS-GRP (composite corrosion resistant enclosure)
- 125KW / 600V / 3 phase (diesel)
- Stand-by stationery generator, EPA Certified, 24Hr Fuel Tank (non-CSA)
- Requires field certification (cost included in this price)

YOUR PRICE: \$ 88,800.00 + HST

Delivery Lead Time: 6 months

...2/

Option # 3

- SENECA model 100GS2-600V 150C (steel enclosure)
- 100KW / 600V / 3 phase (natural gas)
- Stand-by stationery generator, CSA

YOUR PRICE: \$ 121,000.00 + HST

Delivery Lead Time: 3-4 months

ASCO 300 Series Automatic Transfer Switch – 200A / 347/600V / 3 ph (NEMA1)

YOUR PRICE: \$ 7,995.00 + HST

- Please refer to brochure/specifications for warranty
- Freight to your yard (for any unit)(unloading by client): ADD \$ 4,100.00 + HST
- Note: freight cost is subject to change as market adjusts
- Housekeeping slab not included
- Installation not included
- 50% Deposit required with order (balance upon delivery)

Thank you for granting us this opportunity to quote you on this project.

Paul Turgeon

Paul M. Turgeon, President
TURGEON ELECTRICAL SERVICES



License No: 700917



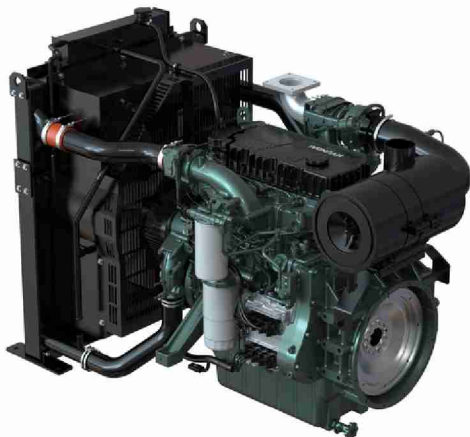
SENECA

POWER GENERATION

Distributed by **G** Genrep

100KW

Model: 100DHS3
Standby - Diesel
Stationary Units
18-Month Limited Warranty



Powered by
HYUNDAI

Made in Canada

All Seneca Power Products are engineered and assembled in Southern Ontario, distributed in Canada by Genrep.

Low Emissions

Hyundai DX-05 5L G-drive engines are certified in Tier 3, reliable, high performance, fuel efficient and compact.

Nation-wide Service

Seneca products are covered with warranty, parts and service, by Genrep's nationwide network of trained professionals.

Built to Last

Hyundai brand diesel engine, Stamford alternator, and Deep Sea controller. Factory load tested and functionally robust with directly coupled brushless alternator.

Applications

Easy to install and use across industries including government offices, healthcare, construction, hospitality, manufacturing, agriculture and more.

Weight & Dimensions

Approx. Weight	6300lbs
Length	169"
Width	56"
Height	83"



Engine Specifications

Engine Brand / Model	Hyundai DP054CAK
Cylinders, number	4
Displacement (L)	5.018 L
Aspiration	Turbocharged Air to air intercooled
Bore & Stroke	110 X 132
Compression Ratio	16.6 : 1
Combustion System	Compression Ignition
Rated RPM	1800
Max Power at Rated RPM	150 KWm
Governor	Electronic
Emissions	EPA Tier 3
Starter Motor	24 V X 6 KW
Battery Charging Alternator	27.5 V X 45 A

Genset Specifications

Power	100 KWe
Power Rating	Standby
Speed RPM (Hz)	1800(60)
Enclosure Type	Open/Closed
Vibration Mounts	Rubber Mounts
Coupling	Direct/Motor Shaft
Electric Fuel Pump	STANDARD
Glow Plugs	STANDARD
Brushless Design with AVR	STANDARD
Key Start	OPTIONAL
Exhaust Flex and Piping	OPTIONAL
Oil change Pump	OPTIONAL
Sound Enclosure	OPTIONAL
Custom Designing for Special Applications	OPTIONAL
Block Heater	OPTIONAL
Specific Fuel Consumption 1800RPM @ 50%	23.31 L/Hr
Specific Fuel Consumption 1800RPM @100%	38.07 L/Hr

Electrical Specifications

Volts	Power Factor	Standby		
		KW	KVA	AMPS
120/240 1-PH	1	100	100	416
120/208 3-PH	0.8	100	125	346
120/240 3-PH	0.8	100	125	300
277/480 3-PH	0.8	100	125	150
346/600 3-PH	0.8	100	125	120

Controller Specifications

Brand	DSE
Full Engine Monitoring	YES
Full AC/DC Monitoring	YES
USB Connectable	YES
Electronic Speed Control	YES
Remote Start Stop Capability	YES
Safety Shut Downs For Monitored Parameters	YES
Remote Display Panel	OPTIONAL
DSE Web Net	OPTIONAL
External Emergency Stop	OPTIONAL
Additional Inputs/Outputs	OPTIONAL
Maintenance Interval Timer	DISABLED
Load Shedding/Dummy	DISABLED

Please contact your local dealer for parts, warranty, maintenance, and service

Distributed by Genrep1-877-7 GENREP / info@genrep.com / www.genrep.com

SENECA

POWER GENERATION

Distributed by **G** Genrep



125KW

Model: 125DHS4-M
Prime - Diesel
Mobile Unit
18-Month Limited Warranty
EPA Tier 4 Final

Lightweight Enclosure

Made of corrosion resistant composite with sound abatement of up to 60 dBA at 7 meter.

Prime Rated

Hyundai DX05 engine with Stamford alternator, and Deep Sea controller.

Nation-wide Service

Covered by network of trained service professionals.

Voltage selector switch

Easy voltage selection for custom applications.

Paralleling and Sync

Optional on all Seneca units.

Plug & Play Unit

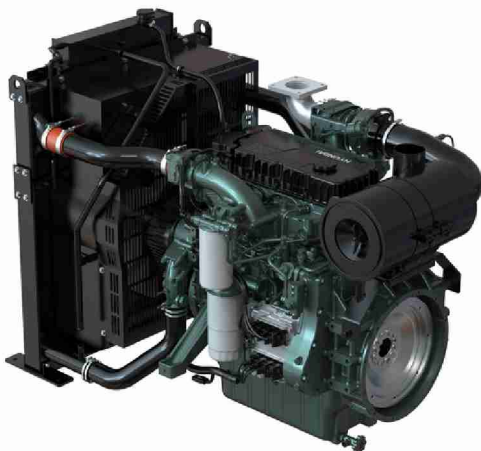
Canopy-integrated cam-loks with remote start and optional comms. connector.

Remote Monitoring

Optional real-time analytics for fleet operations.

Weight & Dimensions

Approx Weight	6300 Lbs
Length	133.5826"
Width	64.8425"
Height	88.5433"



Powered by
HYUNDAI



Engine Specifications

Engine Brand / Model	Hyundai DP054CBP
Cylinders, number	4
Displacement (L)	5.018 L
Aspiration	Turbocharged, air-to-air intercooled
Bore & Stroke	110 X 132 mm
Compression Ratio	18.4:1
Combustion System	Compression Ignition
Rated RPM	1800
Max Power at Rated RPM	175 KWm
Governor	ECU Controlled
Emissions	EPA Tier 4
Starter Motor	12 V X 2.5 KW
Battery Charging Alternator	12 V X 110 A

Genset Specifications

Power	125 KWe
Power Rating	Prime
Speed RPM (Hz)	1800(60)
Enclosure Type	Weather
Vibration Mounts	Rubber Mounts
Coupling	Direct
Electric Fuel Pump	OPTIONAL
Glow Plugs	STANDARD
Brushless Design with AVR	STANDARD
Key Start	OPTIONAL
Exhaust Flex and Piping	OPTIONAL
Oil change Pump	OPTIONAL
Sound Enclosure	OPTIONAL
Custom Designing for Special Applications	OPTIONAL
Block Heater	STANDARD
Specific Fuel Consumption 1800RPM @ 50%	21.9 L/Hr
Specific Fuel Consumption 1800RPM @100%	42.4 L/Hr

Electrical Specifications

Volts	Power Factor	Standby			Prime		
		KW	KVA	AMPS	KW	KVA	AMPS
120/240 1-PH	1	150	150	625	125	125	520
120/208 3-PH	0.8	150	187.5	520	125	156.25	433
120/240 3-PH	0.8	150	187.5	451	125	156.25	375
277/480 3-PH	0.8	150	187.5	225	125	156.25	187
346/600 3-PH	0.8	150	187.5	180	125	156.25	150

Controller Specifications

Brand	DSE
Full Engine Monitoring	Yes
Full AC/DC Monitoring	Yes
USB Connectable	Yes
RS282/RS485	Yes
Remote Start Stop Capability	Yes
Safety Shut Downs For Monitored Parameters	Yes
Remote Display Panel	Optional
DSE Web Net	Optional
External Emergency Stop	Optional
Additional Inputs/Outputs	Optional
Engine Exerciser	Disabled
Maintenance Interval Timer	Disabled
Load Shedding/Dummy	Disabled



Please contact your local dealer for parts, warranty, maintenance, and service

Distributed by Genrep 1-877-7 GENREP / info@genrep.com / www.genrep.com

Standby Power Rating

100 kW, 125 kVA, 60 Hz

Prime Power Rating*

90 kW, 113kVA, 60 Hz



*Assembled in the USA using domestic and foreign parts

*EPA Certified Prime ratings are not available in the US or its Territories.



Image used for illustration purposes only

Codes and Standards

Not all codes and standards apply to all configurations. Contact factory for details.



UL2200, UL6200, UL1236, UL489,
UL142



CSA C22.2, ULC S601



BS5514 and DIN 6271



SAE J1349



NFPA 37, 70, 99, 110



NEC700, 701, 702, 708



NEMA ICS10, MG1, 250, ICS6,
AB1



ANSI C62.41



IBC 2009, CBC 2010, IBC 2012,
ASCE 7-05, ASCE 7-10, ICC-ES
AC-156 (2012)



Powering Ahead

For over 60 years, Generac has provided innovative design and superior manufacturing.

Generac provides superior quality by designing and manufacturing most of its generator components, including alternators, enclosures and base tanks, control systems and communications software.

Generac gensets utilize a wide variety of options, configurations and arrangements, allowing us to meet the standby power needs of practically every application.

Generac searched globally for the most reliable engines to power our generators. We choose only engines that have already been proven in heavy-duty industrial applications under adverse conditions.

Generac is committed to ensuring our customers' service support continues after their generator purchase.

SD100 | 6.7 L | 100 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

GENERAC INDUSTRIAL
ENERGY

STANDARD FEATURES

ENGINE SYSTEM

- Oil Drain Extension
- Heavy Duty Air Cleaner
- Level 1 Fan and Belt Guards (Open Set Only)
- Stainless Steel Flexible Exhaust Connection
- Factory Filled Oil and Coolant
- Radiator Duct Adapter (Open Set Only)
- Engine Coolant Heater
- Critical Silencer

FUEL SYSTEM

- Fuel Lockoff Solenoid
- Primary Fuel Filter

COOLING SYSTEM

- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- Radiator Drain Extension
- 50/50 Ethylene Glycol Antifreeze

ELECTRICAL SYSTEM

- Battery Charging Alternator
- Battery Cables
- Battery Tray
- Rubber-Booted Engine Electrical Connections
- Solenoid Activated Starter Motor

ALTERNATOR SYSTEM

- UL2200 GENprotect™
- 12 Leads (3-Phase, Non 600V)
- Class H Insulation Material
- Vented Rotor
- 2/3 Pitch
- Skewed Stator
- Auxiliary Voltage Regulator Power Winding
- Brushless Excitation
- Sealed Bearing
- Automated Manufacturing (Winding, Insertion, Lacing, Varnishing)
- Rotor Dynamically Spin Balanced
- Amortisseur Winding
- Full Load Capacity Alternator
- Protective Thermal Switch

GENERATOR SET

- Internal Genset Vibration Isolation
- Separation of Circuits - High/Low Voltage
- Separation of Circuits - Multiple Breakers
- Wrapped Exhaust Piping
- Standard Factory Testing
- 2 Year Limited Warranty (Standby Rated Units)
- 1 Year Limited Warranty (Prime Rated Units)
- Silencer Mounted in the Discharge Hood (Enclosed Unit Only)

ENCLOSURE (IF SELECTED)

- Rust-Proof Fasteners with Nylon Washers to Protect Finish
- High Performance Sound-Absorbing Material (Sound Attenuated Enclosures)
- Gasketed Doors
- Upward Facing Discharge Hoods (Radiator and Exhaust)
- Stainless Steel Lift Off Door Hinges
- Stainless Steel Lockable Handles
- RhinoCoat™ - Textured Polyester Powder Coat Paint

FUEL TANKS (IF SELECTED)

- UL 142, ULC S601
- Double Wall
- Vents
- Sloped Top
- Sloped Bottom
- Factory Pressure Tested - 2 psi
- Rupture Basin Alarm
- Fuel Level
- Check Valve In Supply and Return Lines
- RhinoCoat™ - Textured Polyester Powder Coat Paint
- Stainless Steel Hardware

CONTROL SYSTEM



Power Zone® 410 Controller

Features

- Programmable Auto Crank
- Selectable Low Speed Exercise
- RS-232 x2
- RS-485 x2
- All-Phase Sensing Digital Voltage Regulator
- On/Off/Manual Switch
- Not in Auto (Flashing Light)

- Emergency Stop
- Modbus® RTU
- CANbus
- Full Range Standby Operation
- Power Factor
- Ruptured Tank Detection
- Auxiliary Shutdown Switch
- Remote Communications
- NFPA110 Module Included (Key Switch, Alarm, E-Stop)
- I²T Function for Full Generator Protection (Contact Factory)

Full System Status Display

- Multilingual 128x64 Graphical Display with Heater
- Easy Status View LED Screen
- 3-Phase AC Volts
- 3-Phase Amps
- kW
- Line Power/Gen Power

- Time
- Date
- Run Hours
- Service Reminders
- Fault History (Alarm Log)
- Oil Pressure
- Oil Temperature Indication and Alarm
- Output for Fuel Level High/Low Warning
- Water Temperature
- Water Level
- Fuel Pressure/Level
- Engine Speed
- Battery Voltage
- Alternator Frequency

Alarms and Warnings

- Common Alarm Output
- Audible Alarm and Silence

CONFIGURABLE OPTIONS

ENGINE SYSTEM

- Oil Heater
- Level 1 Fan and Belt Guards (Enclosed Units Only)
- Air Filter Restriction Indication
- Radiator Stone Guard

FUEL SYSTEM

- Flexible Fuel Line - NPT Connection

ELECTRICAL SYSTEM

- 10A UL Listed Battery Charger
- Battery Warmer

ALTERNATOR SYSTEM

- Alternator Upsizing
- Anti-Condensation Heater
- Tropical Coating
- Permanent Magnet Excitation

CIRCUIT BREAKER OPTIONS

- Main Line Circuit Breaker
- 2nd Main Line Circuit Breaker
- Shunt Trip and Auxiliary Contacts
- Electronic Trip Breakers

GENERATOR SET

- Extended Factory Testing
- IBC Seismic Certification
- 8 Position Load Center
- Spring Vibration Isolators
- Pad Vibration Isolators

ENCLOSURE

- Level 0 Sound Attenuated
- Level 1 Sound Attenuated
- Level 2 Sound Attenuated
- Level 2 Sound Attenuated Enclosure (with Motorized Dampers)
- Steel Enclosure
- Aluminum Enclosure
- Up to 200 MPH Wind Load Rating (Contact Factory for Availability)
- AC/DC Enclosure Lighting Kit
- Enclosure Heater

FUEL TANKS (SIZES ON LAST PAGE)

- 8 in (203.2 mm) Fill Extension
- 13 in (330.2 mm) Fill Extension
- Overfill Protection Valve
- Return Hose
- Tank Risers
- 90% Fuel Level Switch and Alarm
- 12 in (304.8 mm) Vent System
- Fire Rated Stainless Steel Fuel Hose

CONTROL SYSTEM

- NFPA 110 Compliant 21-Light Remote Annunciator
- Remote Relay Assembly (8 or 16)
- Remote E-Stop (Break Glass-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Surface Mount)
- Remote E-Stop (Red Mushroom-Type, Flush Mount)
- 100 dB Alarm Horn
- Ground Fault Annunciator
- 120V GCFI and 240V Outlets
- 10A Engine Run Relay
- Damper Alarm Contact (with Motorized Dampers Only)

WARRANTY (STANDBY GENSETS ONLY)

- 2 Year Extended Limited Warranty
- 5 Year Extended Limited Warranty
- 7 Year Extended Limited Warranty
- 10 Year Extended Limited Warranty

ENGINEERED OPTIONS

ENGINE SYSTEM

- Coolant Heater Ball Valves
- Fluid Containment Pan

CONTROL SYSTEM

- Spare Inputs (x4) / Outputs (x4)
- Battery Disconnect Switch

ALTERNATOR SYSTEM

- 3rd Breaker System

GENERATOR SET

- Special Testing

FUEL TANKS

- UL 2085 Tank
- Stainless Steel Tanks

APPLICATION AND ENGINEERING DATA

ENGINE SPECIFICATIONS

General

Make	Iveco/FPT
EPA Emissions Compliance	Stationary Emergency
EPA Emissions Reference	See Emission Data Sheet
Cylinder #	6
Type	In-Line
Displacement: in³ (L)	408.86 (6.7)
Bore - in (mm)	4.09 (104)
Stroke - in (mm)	5.2 (128)
Compression Ratio	16.5:1
Intake Method	Turbocharged/Aftercooled
Cylinder Head Type	2-Valve
Piston Type	Aluminum Alloy
Crankshaft Type	Forged Steel

Engine Governing

Governor	Electronic Isochronous
Frequency Regulation (Steady State)	±0.25%

Lubrication System

Oil Pump	Gear
Oil Filter Type	Full Flow
Engine Oil Capacity - qt (L)	18 (17)

Cooling System

Cooling System Type	Closed Recovery
Water Pump Type	Belt Driven Centrifugal
Fan Type	Pusher
Fan Speed - RPM	2,538
Fan Diameter - in (mm)	23.6 (599)

Fuel System

Fuel Type	Ultra Low Sulfur Diesel Fuel #2
Fuel Specifications	ASTM
Fuel Filtering (Microns)	5
Fuel Pump Type	Engine Driven Gear
Injector Type	Mechanical
Fuel Supply Line - in (mm)	0.5 (12.7) NPT
Fuel Return Line - in (mm)	0.5 (12.7) NPT

Engine Electrical System

System Voltage	12 VDC
Battery Charger Alternator	Standard
Battery Size	See Battery Index 0161970SBY
Battery Voltage	12 VDC
Ground Polarity	Negative (-)

ALTERNATOR SPECIFICATIONS

Standard Model	K0100124Y21
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	<5% (3-Phase Only)
Telephone Interference Factor (TIF)	<50

Standard Excitation	Synchronous Brushless
Bearings	Single Seated Cartridge
Coupling	Direct via Flexible Disc
Prototype Short Circuit Test	Yes
Voltage Regulator Type	Digital
Number of Sensed Phases	All
Regulation Accuracy (Steady State)	±0.25%

SD100 | 6.7 L | 100 kW

INDUSTRIAL DIESEL GENERATOR SET

EPA Certified Stationary Emergency

GENERAC INDUSTRIAL
ENERGY

OPERATING DATA

POWER RATINGS

	Standby	
Single-Phase 120/240 VAC @1.0pf	100 kW	Amps: 417
Three-Phase 120/208 VAC @0.8pf	100 kW	Amps: 347
Three-Phase 120/240 VAC @0.8pf	100 kW	Amps: 301
Three-Phase 277/480 VAC @0.8pf	100 kW	Amps: 150
Three-Phase 346/600 VAC @0.8pf	100 kW	Amps: 120

MOTOR STARTING CAPABILITIES (skVA)

	skVA vs. Voltage Dip	
	30%	30%
277/480 VAC		
K0100124Y21	227	K0100124Y21 171
K0130124Y21	327	K0130124Y21 327
K0150124Y21	326	K0150124Y21 244
K0200124Y21	478	K0200124Y21 361

FUEL CONSUMPTION RATES*

Fuel Pump Lift - ft (m)	Diesel - gph (Lph)	
	Percent Load	Standby
3 (1)	25%	2.2 (8.3)
	50%	4.2 (15.9)
	75%	5.9 (22.3)
	100%	7.3 (27.6)

Total Fuel Pump Flow (Combustion + Return) - gph (Lph)
29.1 (110.2)

*Fuel supply installation must accommodate fuel consumption rates at 100% load.

COOLING

		Standby
Coolant Flow	gpm (Lpm)	44.6 (168.8)
Coolant System Capacity	gal (L)	5.7 (21.4)
Heat Rejection to Coolant	BTU/hr (kW)	269,130 (78.8)
Inlet Air	cfm (m³/min)	6,360 (180)
Maximum Operating Ambient Temperature	°F (°C)	122 (50)
Maximum Operating Ambient Temperature (Before Derate)	See Bulletin No. 0199280SSD	
Maximum Additional Radiator Backpressure	in H ₂ O (kPa)	0.5 (0.12)

COMBUSTION AIR REQUIREMENTS

	Standby
Flow at Rated Power - cfm (m³/min)	325 (9.2)

ENGINE

		Standby
Rated Engine Speed	RPM	1,800
Horsepower at Rated kW**	hp	152
Piston Speed	ft/min (m/min)	1,559 (475)
BMEP	psi (kPa)	165 (1,138)

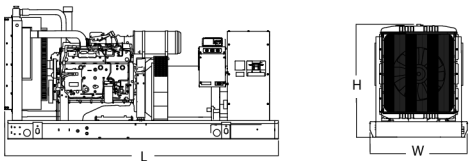
**Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

EXHAUST

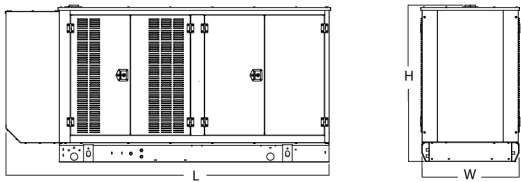
		Standby
Exhaust Flow (Rated Output)	cfm (m³/min)	885 (25)
Maximum Allowable Backpressure (Post Silencer)	inHg (kPa)	1.5 (5.1)
Exhaust Temperature (Rated Output)	°F (°C)	885 (474)

Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions.
Please contact a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with BS5514 and DIN6271 standards.
Standby - See Bulletin 10000018933
Prime - See Bulletin 10000018926

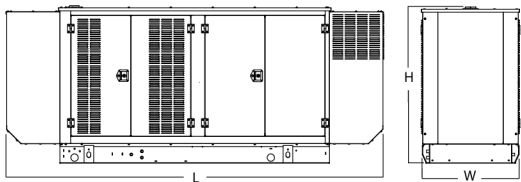
DIMENSIONS AND WEIGHTS*



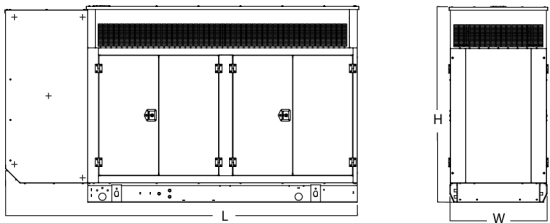
Run Time - Hours	Usable Capacity - gal (L)	L x W x H - in (mm)		Weight - lbs (kg)
No Tank	-	110 (2,794) x 40 (1,016) x 65 (1,651)		3,104 (1,408)
12	90 (341)	110 (2,794) x 40 (1,016) x 77 (1,956)		3,813 (1,730)
30	220 (833)	110 (2,794) x 40 (1,016) x 89 (2,261)		4,146 (1,881)
48	350 (1,325)	110 (2,794) x 40 (1,016) x 101 (2,565)		4,488 (2,036)
70	510 (1,931)	110 (2,794) x 40 (1,016) x 105 (2,667)		4,469 (2,029)
81	589 (2,230)	128 (3,251) x 49 (1,245) x 107 (2,718)		4,948 (2,244)
95	693 (2,623)	136 (3,454) x 53 (1,346) x 107 (2,718)		4,667 (2,117)



LEVEL 0 SOUND ATTENUATED ENCLOSURE				Weight - lbs (kg) Enclosure Only	
Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)		Steel	Aluminum
No Tank	-	133 (3,378) x 40 (1,016) x 64 (1,626)		500 (227)	165 (75)
12	90 (341)	133 (3,378) x 40 (1,016) x 77 (1,956)			
30	220 (833)	133 (3,378) x 40 (1,016) x 89 (2,261)			
48	350 (1,325)	133 (3,378) x 40 (1,016) x 101 (2,565)			
70	510 (1,931)	133 (3,378) x 47 (1,194) x 105 (2,667)			
81	589 (2,230)	133 (3,378) x 49 (1,125) x 107 (2,718)			
95	693 (2,623)	133 (3,378) x 53 (1,346) x 107 (2,718)			



LEVEL 1 SOUND ATTENUATED ENCLOSURE				Weight - lbs (kg) Enclosure Only	
Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)		Steel	Aluminum
No Tank	-	154 (3,912) x 40 (1,016) x 64 (1,626)		750 (340)	250 (112)
12	90 (341)	154 (3,912) x 40 (1,016) x 77 (1,956)			
30	220 (833)	154 (3,912) x 40 (1,016) x 89 (2,261)			
48	350 (1,325)	154 (3,912) x 40 (1,016) x 101 (2,565)			
70	510 (1,931)	154 (3,912) x 47 (1,194) x 105 (2,667)			
81	589 (2,230)	154 (3,912) x 49 (1,245) x 107 (2,718)			
95	693 (2,623)	154 (3,912) x 53 (1,346) x 107 (2,718)			



LEVEL 2 SOUND ATTENUATED ENCLOSURE				Weight - lbs (kg) Enclosure Only	
Run Time - Hours	Usable Capacity - Gal (L)	L x W x H - in (mm)			
			Steel	Aluminum	
No Tank	-	145 (3,683) x 40 (1,016) x 81 (2,057)	1,000 (454)	330 (150)	
12	90 (341)	145 (3,683) x 40 (1,016) x 84 (2,134)			
30	220 (833)	145 (3,683) x 40 (1,016) x 106 (2,692)			
48	350 (1,325)	145 (3,683) x 40 (1,016) x 118 (2,997)			
70	510 (1,931)	145 (3,683) x 47 (1,194) x 122 (3,099)			
81	589 (2,230)	145 (3,683) x 49 (1,245) x 124 (3,150)			
95	693 (2,623)	145 (3,683) x 53 (1,346) x 124 (3,150)			

* All measurements are approximate and for estimation purposes only. Specification characteristics may change without notice. Please contact a Generac Power Systems Industrial Dealer for detailed installation drawings. Extended and not extended tank offerings vary. Contact dealer for options.



COOPER EQUIPMENT RENTALS LIMITED
15 WEST DRIVE
BRAMPTON, ON L6T 3T5
833-360-PUMP
GST/HST#101968691 QST#1224698221

SALES QUOTATION: C45050029

BILL TO:
CORPORATION OF VAL RITA HARTY
P.O.BOX 100
VAL RITA ON P0L 2G0
CANADA

SHIP TO: [SITE #: 4]
125 & 150KVA GENERATOR SALE
125 & 150KVA GENERATOR SALE
VAL RITA ON

CUSTOMER #: 8209
BILLING TEL: 705-335-6146
SITE TEL: 705-335-6146
SALESMAN: HOUSE ACCOUNT -
CUSTOMER PO: TBD

TERMS: NET 30 DAYS / JOURS

SALES#	QTY	DESCRIPTION	UNIT PRICE	EXTENDED AMT
MSALE	1.00	QAS125 100KW GENERATOR 600V	\$145486.0000	\$145,486.00
MSALE	1.00	QAS150-200 12 KW GENERATOR 600	\$200400.0000	\$200,400.00
MSALE	1.00	G130 150KVA GENERATOR	\$127575.0000	\$127,575.00

SUBTOTAL SALES: \$473,461.00

TAXES	TAXABLE	AMOUNT
H.S.T	\$473,461.00	\$61,549.93

SUBTOTAL TAXES: \$61,549.93

GRAND TOTAL: \$535,010.93

I, the undersigned renter, specifically acknowledge that I have received and understand the instructions regarding the use and operation of the rented equipment.

Renter further acknowledges that he has read and fully understands the within rental equipment contract and agrees to be bound by all of the terms, conditions and provisions hereof. Renter acknowledges that he has received a true and correct copy of this agreement at the time of execution hereof.

X

SIGNATURE

PRINT NAME



G130

Mobile Generator

Powerful prime power generator, suited for the toughest applications

The G130 is a durable, sound attenuated diesel generator that provides mobile prime power for larger construction, commercial, industrial, special event and emergency management applications where quiet, reliable power is needed. The digital controller monitors and protects the generator and engine. The standard environmentally friendly features include a 115% fluid containment, crankcase oil vapor recovery system, no mess oil and radiator drain hoses and fast fuel fill system that minimizes fuel spill potential.

Highlights

- Programmable Controller
- Cummins QSB5-G11 Engine
- Long Run Time
- Powerful and Precise Alternator
- 600 Volt Alternator

Technical Data

Generator

Insulation class	• H
Output current 1~	264.0 A
Voltage accuracy	1.0 %
Output current 3~	313.0 A
Generator Rating 1~ (Continuous)	75.0 kVA
Generator Rating 3~ (Continuous)	162.0 kVA
Generator Manufacturer	• Mecc Alte
Generator specification	• AVR without Brushes
Voltage 1~	120.0 V
Voltage 3~	480.0 V

Engine

Engine type	• Diesel engine
Engine operating mode	• four-stroke
Cylinder	4.0
Cylinder capacity	4,500.0 cm ³
Fuel	• Diesel EN 590
Exhaust-gas limit	• IIIB/Tier IV Final
Starter battery Voltage	24.0 V
Battery Cold-start current CCA	950.0 A

Engine Manufacturer	• Cummins
---------------------	-----------

Operating Fluids

Cooling fluid volume	43.0 l
Tank capacity AdBlue® / DEF	33.0 l
Consumption AdBlue®/DEF (Prime Load)	1.2 l/h
Run Time AdBlue®/DEF (Prime Load)	25.6 hrs
Fuel consumption (Prime load)	27.0 l/h
Run Time (Prime Load)	24.6 hrs
Run Time (75 % Prime Load)	32.5 hrs
Run Time (50 % Prime Load)	46.5 hrs

Shipping and Storage

Length for shipping	2,870.0 mm
Width for shipping	1,207.0 mm
Height for shipping	1,993.0 mm
Shipping weight	2,482.0 kg
Shipping weight with Trailer	3,019.0 kg
Length for shipping (with Trailer)	4,470.0 mm
Width for shipping (with Trailer)	2,032.0 mm
Height for shipping (with Trailer)	2,332.0 mm

QAS 95 & 125 MVTJD T4F

Mobile Generator



Standard Scope of Supply

The Atlas Copco **QAS 95 & 125 MVT JD T4F** generators are prime power, multi-voltage, sound attenuated, mobile generators. They are powered by an John Deere Tier 4 Final, liquid-cooled, four cylinder diesel engine.

The units consist of an alternator, diesel engine, cooling system, electrical distribution and control systems - all enclosed within a sound attenuated enclosure fabricated from powder coated steel with zinc rich primer. 1000 hr salt spray teste.

A broad range of undercarriage formats and options are available.

Special attention has been given to the overall product quality, user friendliness, ease of serviceability, and economical operation to ensure best in class total cost of ownership.

Available Models

QAS 95 & 125 MVT JD T4F

Multiple voltage – 95-125 kVA prime power – John Deere engine

Standard Features

- Compact, sound attenuated, corrosion resistant enclosure with single point lifting and 110% fluid containment
- Available as a skid mounted unit with forklift pockets, or on a single axle trailer
- Heavy Duty alternator with AREP excitation and marine grade protection
- “DeepSea” controller
- Single side servicing with long run filters and 500 hour service intervals
- Extremely reliable and durable John Deere 4045 engine with DOC & SCR after-treatment and 5 year limited warranty
- Identical enclosures and maintenance points between both models
- Emergency Stop
- Remote Start / Stop

Benefits

- Extremely durable and environmentally sensitive, designed to be used for everything from the oil patch to special event power
- Versatility, giving you the flexibility to match your machine to the correct application
- Start-up power for the most demanding sites with 300% over load starting capabilities
- Reliable and intuitive controls for ease of use and diagnostic capabilities
- Heavy duty oil, air and fuel filters extend the maintenance interval to 500 hours for reduced total cost of ownership
- Reduces maintenance costs with long intervals easy access for mechanics
- Proven engine platform with high reliability, a simple maintenance free Diesel Oxidization Catalyst only after treatment
- Reduces stock of service kits and inventory of parts with rental ROI kept in mind
- External, recessed emergency stop for increased safety
- Allows connection as a critical back-up unit via a 2 wire dry contact connection in the distribution panel

Product Reference – QAS 95 & 125 MVT JD T4F
PM# 2960 1600 00



Technical Data¹

Performance		QAS 95 JD	QAS 125 JD
Frequency	Hz	60	60
Rated prime power 3ø 600V	kW/kVA	76 / 95	100 / 125
Rated standby power 3ø 600V	kW/kVA	83 / 104	110 / 137
3ø Power factor		0.8	0.8
3ø Voltage in 600V switch position (series star w/neutral)	V	600Y / 347	600Y / 347
Amp capacity @600V	A	94	120
3ø Voltage in 480V switch position (series star w/neutral)	V	480Y / 277	480Y / 277
Amp capacity @480V	A	109.5	120
3ø Voltage in 240 switch position (parallel star w/neutral)	V	240YY / 139	240YY / 139
Amp capacity @240V	A	219	240
3ø Voltage in 208V switch position (parallel star w/neutral)	V	208YY / 120	208YY / 120
Amp capacity @208V	A	219	240
Rated prime power 1ø	kW/kVA	47 / 47	52 / 52
1ø Power factor		1	1
1ø Voltage in 120-240V switch position (Zig-Zag)	V	240 / 120	240 / 120
Amp Capacity @240V	A	195	216
Amp Capacity @120V	A	195 x 2	216 x 2
Main breaker - Shunt trip	A	400	400
Power distribution - Terminal board		5 Wire (L1, L2, L3, N, Ground)	5 Wire (L1, L2, L3, N, Ground)
Terminal board connections		Bare Wire Terminals	Bare Wire Terminals
Maximum terminal cable size		350MCM	350MCM
Convenience receptacles		2 x NEMA 5-20R & 2 x 125/250V 50A CS6364	2 x NEMA 5-20R & 2 x 125/250V 50A CS6364
Max. sound pressure level (LPA) @23' @75% Load	dB(A)	72	72

Fuel consumption			
Fuel tank capacity UN31A	gal	170	170
Fuel consumption at full load (PRP)	gal / h	5.4	7
Fuel autonomy considering 90% of fuel capacity	h	28.3	23.4

Alternator			
Model		Leroy Somer 44.3 S4	Leroy Somer 44.3 S5
Excitation		AREP	AREP
Automatic voltage regulator (+/-0.5%)		Leroy Somer R438	Leroy Somer R438
Insulation		Class H	Class H

Engine			
Model		John Deere 4045HFG04	John Deere 4045HFG06
US EPA Family		HJDXL04.5315	HJDXL0.4.5311
US EPA Tier		Tier 4 Final	Tier 4 Final
Displacement	L	4.5	4.5
Cylinders		4	4
Continuous engine output	hp	122	157
Gross engine power output	hp	133	172
Speed	rpm	1800	1800
Engine control		ECU	ECU
Aspiration		Turbo w/ Intercooler	Turbo w/ Intercooler
Engine oil capacity	US gal	5.4	5.4
Engine coolant capacity	US gal	2.25	2.25
Max. ambient temperature (@Sea Level)	°F	122	122
Min. starting temperature (w/o Cold weather options)	°F	0	0
Minimum starting temperature (w/Cold weather options)	°F	-4	-4
Electrical system (Negative ground)	V	12	12
Engine alternator output	A	90	90
Battery Capacity (Cold Cranking Amps)	A	1100	1100

¹ All ratings are at a reference condition of 0' altitude and 20°C(72°F)

² Please see receptacle voltage configuration in Power Distribution section on page #5

³ Engine oil to meet CJ-4 (low ash oil)

⁴ Please see "Derate Table" for altitude and temperature calculations on page#4

⁵ Cold start option comes with 120V block heater and 0W40 synthetic engine oil

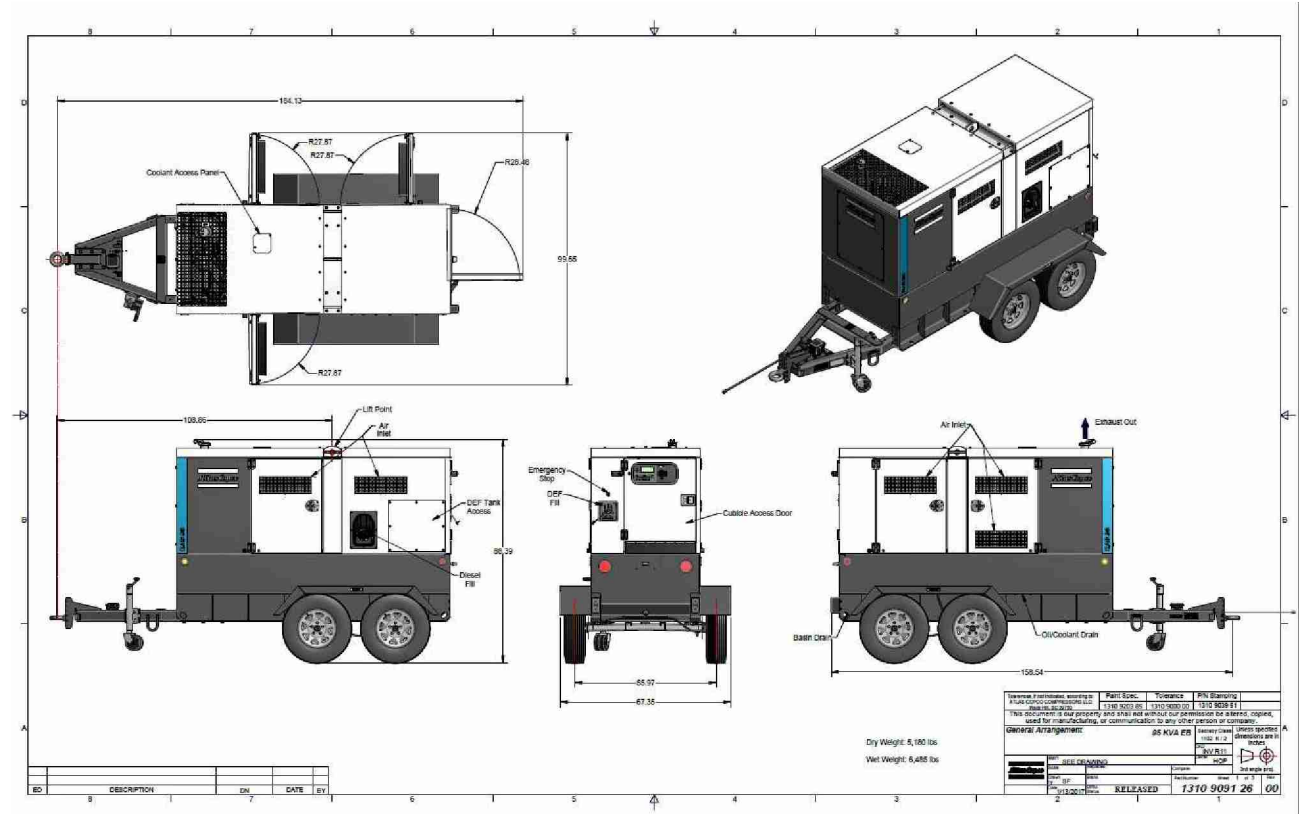
⁶ Measured in accordance with ISO 2151 under free field conditions @ 7m distance

⁷ Engine and emissions require the use of Ultra Low Sulfur Diesel in accordance to ASTM-D975 Grade No. 1-D S15 & No. 2-D S15

⁸ Based on 90% volume of fuel tank

QAS 95 & 125 MVT JD T4F – Product Referen

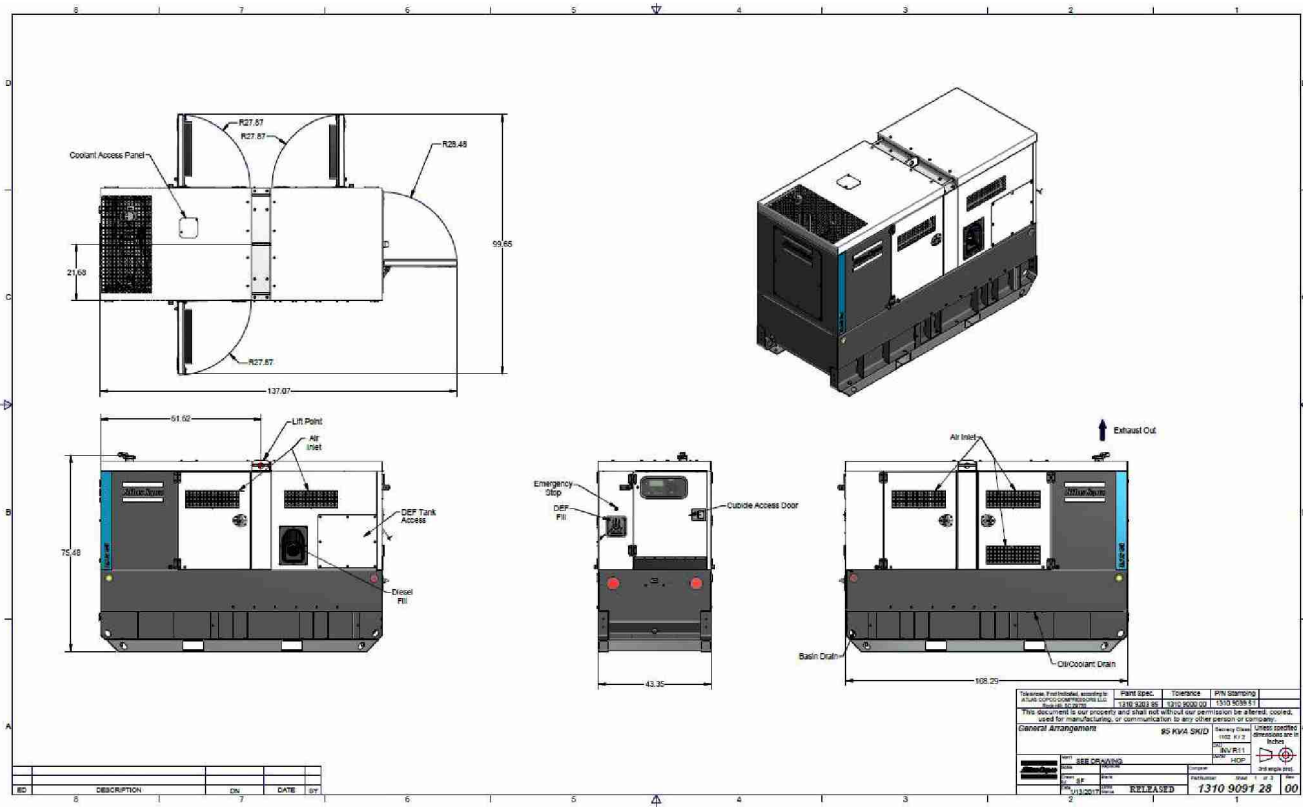
Trailer Mounted



QAS 95 & 125 MVT JD T4F – Product Referer

Product Reference – QAS 95 & 125 MVT JD T4F
PM# 2960 1600 00





Weight - Wet (ready to operate)

Trailer Mounted
Skid Mounted

Units

lbs
lbs

QAS 95 JD

6180
5800

Dimensions

Trailer Mounted (L x W x H)
Skid Mounted (L x W x H)

Inches
Inches

162.4 x 56 x 85.5
108.2 x 43 x 75.5

Weight - Wet (ready to operate)

Trailer Mounted
Skid Mounted

Units

lbs
lbs

QAS 125 JD

6485
6105

Dimensions

Trailer Mounted (L x W x H)
Skid Mounted (L x W x H)

Inches
Inches

162.4 x 56 x 85.5
108.2 x 43 x 75.5

Principle Data

Alternator

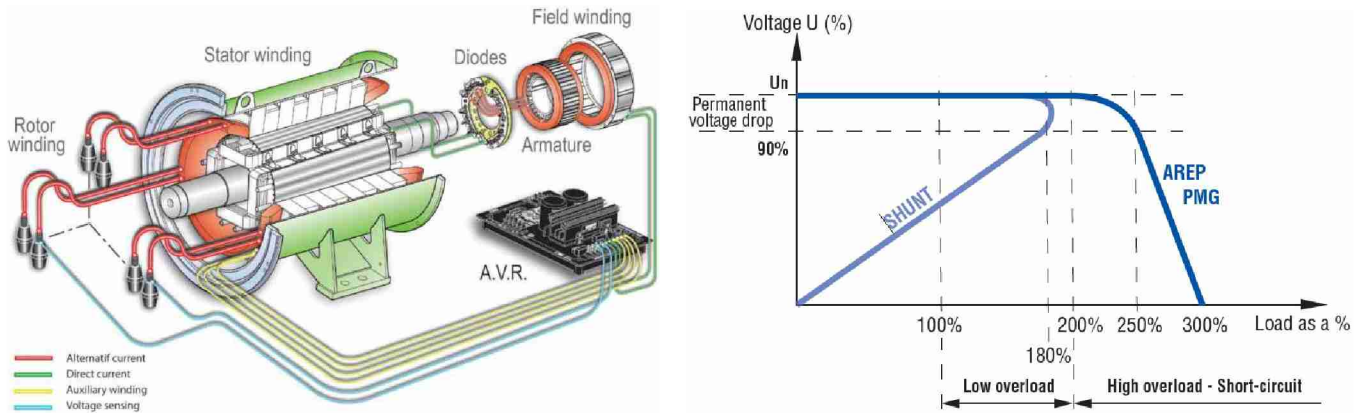
The Leroy Somer LSA alternators are designed for heavy duty continuous applications, with marine winding protection and Leroy Somer's AREP excitation system.

- AREP Excitation for superior motor starting capabilities
- Marine grade (relative humidity >95%) protection
- External multi-voltage selector switch (3 – position)
- 4 pole brushless design with single bearing, Class H insulation and IP23 rating
- Voltage regulation +/- 0.5%
- Full Load acceptance of prime power rating

The AREP system uses 2 independent auxiliary windings located in the main stator to send supply voltage to the AVR:

- The voltage delivered by the first auxiliary winding H1 is proportional to the alternator output voltage (shunt characteristic).
- The voltage delivered by the second auxiliary winding H3 is proportional to the current drawn by the alternator and is a function of the applied load (compound characteristic – boostereffect).
- The resulting phase-to-phase voltage supplies power to the AVR.

This power supply to the AVR power circuit is independent of the voltage sensing measured on the alternator output terminals. Therefore, the excitation current delivered by the AVR to the alternator exciter is independent of any voltage distortions (harmonics) due to the load. The AREP system gives the alternator a high overload capacity (load impact or starting electric motors) and a short-circuit capability (300% - 10 s) in order to provide discriminating protection: the alternator with AREP excitation is shorter than the one with PMG excitation. It is particularly suitable for demanding applications.



Performance @ Altitude and High Ambient Conditions

When using at altitude and high ambient conditions the engine and alternator will de-rate as per chart below.

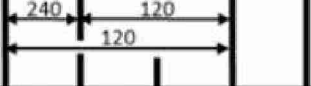
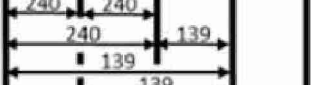
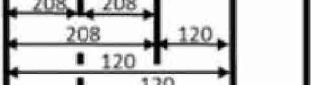
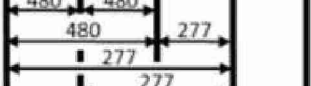
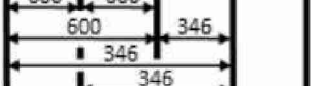
Height m (Feet)	Temperature °C (°F)										
	0 (32)	5 (41)	10 (50)	15 (59)	20 (68)	25 (77)	30 (86)	35 (95)	40 (104)	45 (113)	50 (122)
0	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
500 (1640)	100%	100%	100%	100%	100%	100%	100%	100%	100%	97%	94%
1000 (3280)	100%	100%	100%	100%	100%	100%	100%	100%	100%	97%	94%
1500 (4921)	100%	100%	100%	100%	100%	100%	100%	99%	97%	94%	91%
2000 (6561)	100%	100%	100%	100%	100%	98%	97%	95%	94%	91%	88%
2500 (8202)	100%	100%	100%	100%	100%	95%	94%	92%	91%	88%	86%
3000 (9842)	100%	100%	100%	100%	100%	91%	90%	88%	87%	84%	82%
3500 (11,482)	100%	100%	100%	100%	94%	88%	84%	81%	80%	78%	77%
4000 (13,123)	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%

Power Distribution

The main power is connected from the alternator through a 3 position voltage selector switch to the main power cubicle. The cubicle incorporates all power distribution, controls, sensing and protection devices.

- ✓ 3 position Voltage Selector Switch (VSS)
- ✓ Current transformer x 3 (1 each leg)
- ✓ Single main breaker w/shunt trip
- ✓ Individual breakers for each receptacle
- ✓ Convenience receptacles located on outside of unit for easy access
- ✓ Terminal board for hard wiring
- ✓ Cam-Lock external quick connect (available as option)
- ✓ External emergency stop switch (recessed)
- ✓ Neutral bonded to Ground with a removable bonding link accessible in the control cubicle

Please refer to the chart below for power distribution and voltages. NOTE: All voltages below are subject to change, depending on set point of "Fine Voltage Adjustment" potentiometer and Voltage Selector Switch.

		120V Receptacle NEMA 20-5R	125/250V Receptacle CS6364	Terminal Board
Fine Voltage Adjustment ↓	Voltage Selector Switch Position ↓			
	 240/120V 1Ø	120V	240/120V	
	 240/139V 3Ø	139V	240/139V	
	 240/139V 3Ø	120V	208/120V	
	 480V 3Ø	139V	240/139V	
	 600V 3Ø			

- All voltages are adjustable with the "Fine Voltage Adjustment" potentiometer located on the control panel. Therefore voltage may be different then what is shown in the above table. All voltages should be verified before connection to the unit.

Controller

The QAS 95 & 125 come equipped with a Deep Sea 7310 control module. This is a fully diagnostic ECU controller with large 3" display, that is intuitive and easy to operate with all functions conveniently at your fingertips. The controller also manages the engine ECU operating system, and a number of safety warnings and shut downs on various parameters (listed below).

The controller is powered by a main On/Off switch located next to unit.

DeepSea 7310 Controller Functionality:

- Home Page (displayed while running, scrolling every 3seconds)
 - ✓ Generator voltage(ph-ph)
- Generator Page
 - ✓ Generator voltage(ph-N)
 - ✓ Generator voltage(ph-ph)
 - ✓ Generator frequency
- Load Page
 - ✓ Generator current (A)
 - ✓ Generator earth current
 - ✓ Generator load (kW)
 - ✓ Generator load (kVA)
 - ✓ Generator power factor
 - ✓ Load ph-N (kVAr)
 - ✓ Generator Load (kVAr)
 - ✓ Generator Load (kWh, kVAh, kVArh)
 - ✓ Generator phase sequence
 - ✓ Dual mutual status
- Event Page
 - ✓ Displays the last 15 events
- Remote Start/Stop
 - ✓ Automatic start stop via 2 wire dry contact connection
- ✓ Operational Buttons
 - ✓ Start button
 - ✓ Stop button
 - ✓ Automatic mode (external remote start)
 - ✓ Up/Down arrows
- ✓ Info Page
 - ✓ Model number
 - ✓ USB identification number
 - ✓ Configured engine type
 - ✓ Module's date and time
 - ✓ Scheduler setting
- ✓ Engine Page
 - ✓ Engine speed
 - ✓ Oil pressure
 - ✓ Coolant temperature
 - ✓ Engine Battery volts
 - ✓ Run Time
 - ✓ Oil Temperature
 - ✓ Fuel Temperature
 - ✓ Turbo Pressure
 - ✓ Fuel Pressure
 - ✓ Fuel Consumption
 - ✓ Fuel Used
 - ✓ Fuel Level
 - ✓ Auxilliary Sensors
 - ✓ Engine Maintenance Due
 - ✓ Engine ECU Link
- ✓ Engine DTC Page
 - ✓ This page contains any active Diagnostic Trouble Codes that the engine ECU is currently generating. These alarms are conditions detected by the engine ECU and displayed on the DSE controller.



Engine

John Deere 4045

John Deere Tier 4 Final, turbo charged, intercooled, four-cylinder, liquid-cooled diesel engine provides ample power to operate the generator continuously at full-load.

Meets all US EPA, CARB and Environment Canada exhaust legislations with Tier 4 Final compliance. The engine utilizes a Selective Catalytic Reduction (SCR) and Diesel Oxidation Catalyst (DOC) to meet final Tier 4 emissions. All functionality of the engine is controlled automatically on the Deep Sea 7310 controller.

The engine has the capability to start the generator at 14°F (-10°C) with standard glow-plug aid.

The 166 gal (628L) fuel tank is sufficiently sized to operate the unit at full-load condition for long run times (see chart on page 2 for specifications).

The engine operates on a 12V negative ground electrical system with a 100A charging alternator. The cooling system is suitably designed for continuous operation in ambient conditions up to 122°F (50°C), with canopy door closed.

Fuel System

A large 166 gal (628L) plastic fuel tank provides safe diesel storage while eliminating tank corrosion contaminants from being introduced to your fuel system. With integrated fuel water separator and filter, the system is designed to help maintain clean and trouble free diesel supply to the engine for reliable trouble free operation.

- ✓ Pad-lockable diesel fill cap
- ✓ Fuel / Water separator
- ✓ Inline priming pump (w/ filter)
- ✓ Fuel pre-filter
- ✓ Fuel supply pump (w/ strainer)
- ✓ Fuel level sensor
- ✓ Low fuel shut down feature (programmable level)

Scheduled maintenance

Standard equipped with filters sized and designed to allow 500 hour service intervals under normal operating conditions. Extended time between services reduces down time and total cost of ownership of the unit over its lifetime.

- | | |
|---|--|
| <ul style="list-style-type: none"> • 500 Hour Service Interval: <ul style="list-style-type: none"> ✓ Air filter ✓ Oil filter ✓ Fuel filter ✓ Fuel / water separator | <ul style="list-style-type: none"> • 1000 Hour Service Interval: <ul style="list-style-type: none"> ✓ Air filter ✓ Oil filter ✓ Fuel filter ✓ Fuel / water separator ✓ V-Belt |
|---|--|

NOTE: Site specific operating conditions such as; poor fuel quality and low load profile may require more frequent service intervals.

Enclosure & Frame

The generator enclosure is designed for extreme applications to provide superior performance and reliability.

The enclosure is fabricated from Zinc rich Primer which is powder coated for corrosion resistance. The enclosure and frame are fully sealed from the radiator to the back of the unit, providing a true 110% containment of all fluids.

- ✓ Zinc Rich Primer, powder coated enclosure
- ✓ Heavy duty base frame
- ✓ 110% fluid containment
- ✓ Large 166 gal (628L), polyethylene fuel tank
- ✓ Convenient 2" NPT drain at rear of machine to clean out the containment frame
- ✓ Superior level of rain ingress protection and design features
- ✓ Pad-lockable doors and fuel cap
- ✓ Engine fluid plumbed to exterior of frame for ease of service
- ✓ Central lifting point
- ✓ Sound dampening material and design to allow quiet operation at 67 & 66 dB(A) respectively

Undercarriage

The QAS 95 & 125 is available with two undercarriage alternatives, providing utmost flexibility in installation, site handling or towing. Both the skid frame and the trailer mount the same way and can be interchanged for versatility.

- Trailer:
 - ✓ Dual axle
 - ✓ Available with hydraulic or electric brakes
 - ✓ DOT/Federal MVSS 49CFR571 approved light package and 7 flat blade RV style plug
 - ✓ Adjustable height pintle hitch (3" lunette)
 - ✓ 15" Rims w/ ST205/75D15 Tires for trailer use
 - ✓ Heavy Duty torsion axle rated at 7,000lbs w/ brakes
 - ✓ Safety chains
 - ✓ Screw jack leveling, with jockey wheel, 5,000 lbs static capacity
 - ✓ Single point lifting structure
 - ✓ D-Ring Tie down points x4
- Skid mounted:
 - ✓ Sub-frame skid with integrated forklift pockets
 - ✓ Heavy duty design for use in extreme conditions
 - ✓ Frame is ¼" wider then machine to reduce damage from forklifts
 - ✓ Built-in locations for straps or chains to secure the unit for transport
 - ✓ Single point lifting structure

Factory Options Available

- 2" or 2 5/16" ball hitches (shipped loose)
- Trailer stabilizerjacks
- Trailer mounted toolbox
- Cold start kit (120V block heater, 0W40 synthetic engine oil)
- Battery charger (12V, 6A)
- Battery isolation switch (lockable)
- Heavy duty battery (800CCA Optima, Spiralcell AGM, Redtop)
- Inlet shutdown valve
- CSA approval
- External fuel quick connects (3 way valve, located inside of enclosure for spill containment and protection)
- Cam-Lok quick connections (5 x 400A)
- LoJack® (Stolen Vehicle Recovery System)
- Telematics system (DSE Webnet System)

Manufacturing & Environmental Standards

The **QAS 95 & 125 JD T4F** is manufactured following stringent ISO 9001 regulations, and by a fully implemented Environmental Management System fulfilling ISO 14001 requirements.

Attention has been given to ensure minimum negative impact to the environment.

The **QAS 95 & 125 JD T4F** meets all current US EPA, CARB and Environment Canada exhaust and noise emission directives.



Supplied Documentation

The unit is delivered with documentation regarding:

- Hard copies of the Atlas Copco Operators Safety and Instruction Manual, Atlas Copco Parts Book, John Deere Engine Manual and Parts book, in English as well as electronic copies available on request.
- Warranty Registration card for engine and Atlas Copco Generators (Units must be registered upon receipt).

Warranty Coverage

Atlas Copco Generator: Warrantied to be free from defects with regard to material and workmanship for the period of eighteen (18) months from date of shipment from the factory, or twelve (12) months from date of initial startup, whichever occurs first, without limitation of running hours.

John Deere Engine: John Deere Diesel engines are warranted to be free from defects with regard to materials and workmanship for the period of twelve (12) months without limitations in running hours, or twenty-four (24) months prior to the accumulation of 2,000 hours from the date of invoicing from Atlas Copco.

Leroy Somer Alternator: Warrantied to be free from defects with regard to material and workmanship for the period of twenty seven (27) months from date of shipment from the factory, or twenty four (24) months from date of initial startup or 10,000 hours, whichever occurs first.

Extended Warranty Programs: Programs are available; please contact your local sales representative for more info.

QAS 150-200 JD T4F MVT

Mobile Generator



Standard Scope of Supply

The Atlas Copco **QAS 150-200 JD T4F MVT** generators are prime power, multi-voltage, sound attenuated, mobile generators. They are powered by a John Deere T4 Final liquid-cooled, six-cylinder diesel engine.

The units consist of an alternator, diesel engine, cooling system, electrical distribution and control systems - all enclosed within a sound attenuated enclosure fabricated powder coated zinc rich primer 100-hour salt spray tested.

The QAS 150 & 200 JD MVT are well equipped for the rental market. Standard features include:

- Camlock panel
- Battery charger

Additionally, the optional Power Management System (PMS) with touch display unit can further enhance the efficiency and utilization of the generators.

A broad range of undercarriage formats and options are available.

Special attention has been given to the overall product quality, user friendliness, ease of serviceability, and economical operation to ensure best in class total cost of ownership.

Available Models

QAS 150 JD MVT
QAS 200 JD MVT

Multiple voltage – 150 kVA prime power – JD engine
Multiple voltage – 200 kVA prime power – JD engine

Standard Features

- Compact, sound attenuated, corrosion resistant, with single point lifting and 110% fluid containment
- Dual axle trailer as standard, available as a skid mounted unit with forklift pockets as an option
- Heavy Duty alternator with AREP excitation and marine grade protection
- Single side service with long run filters and 500-hour service intervals
- Extremely reliable and durable John Deere 6068HFG05
- Cam Lock Panel
- Battery Charger
- Identical enclosures and maintenance points between models
- Emergency Stop
- Remote signal Start / Stop

Benefits

- Extremely durable and environmentally sensitive, designed to be used for everything from the oil field to special event power
- Versatility, giving you the flexibility to match your machine to the correct application
- Start-up power for the most demanding sites with 300% over load starting capabilities
- Heavy duty oil, air and fuel filters extend the maintenance interval to 500 hours for reduced total cost of ownership
- Proven engine platform with high reliability and durability
- Quick and easy connection of power cables
- On board charger to ensure the battery is always ready for service
- Reduces stock of service kits and inventory of parts with
- External, recessed emergency stop for increased safety
- Allows connection as a critical back-up unit via a 2-wire dry contact connection in the distribution panel

QAS 150-200 JD T4F MVT – Product Reference

Technical Data¹

Generator	Units	QAS 150 JD MVT		QAS 200 JD MVT	
Frequency	Hz	50	60	50	60
Rated Prime Power 3Ø (600,480,240V @ 60Hz, 400V @ 50Hz)	kW / kVA	100/125	120/150	134/168	160/200
Rated Standby Power 3Ø (600,480,240V @ 60Hz, 400V @ 50Hz)	kW / kVA	110/138	132/165	147/185	176/220
3Ø Power Factor		0.8	0.8	0.8	0.8
3Ø Voltage @ 600V (Series Star w/Neutral)	V	-	600Y/346	-	600Y/346
Amp Capacity @ 600V/60Hz	A	-	144	-	192
3Ø Voltage @ 480V (Series Star w/Neutral)	V	-	480Y/277	-	480Y/277
Amp Capacity @ 480V/60Hz	A	-	180	-	241
3Ø Voltage @ 240-208V (Parallel Star w/ Neutral)	V	-	240Y/139 – 208Y/120	-	240Y/139 – 208Y/120
Amp Capacity @ 240V/60Hz	A	-	361	-	481
Amp Capacity @ 208V/60Hz	A	-	400	-	500
Rated Prime Power 1Ø	kW / kVA	-	85 / 85	-	102 / 102
1Ø Power Factor		-	1.0	-	1.0
1Ø Voltage @ 120-240V (Zig-Zag)	V	-	240/120	-	240/120
Amp Capacity @ 240V	A	-	354	-	425
Amp Capacity @ 120V	A	-	2 x 354	-	2 x 425
3Ø Voltage @ 400V (Series Star w/Neutral)	V	400Y/231	-	400Y/231	-
Amp Capacity @ 400V/50Hz	A	208	-	243	-
Performance Class (acc. ISO 8528-5:1993)		G2	G2	G2	G2
Single Step Load Acceptance (0-PRP) @60Hz	kW (%)	75 (65%)	96 (80%)	89.8 (67%)	113 (70.6%)
Sound Pressure Level @ 23'(7 m) @ 75% Load ²	dB(A)	68	70	69	71
Alternator (4 Pole, 12 Wire)	Leroy Somer	LSA 44.3 L10		LSA 44.3 VL13	
Excitation		AREP		AREP	
Automatic Voltage Regulator (+/- 0.5%)	Leroy Somer	R438F		D350	
Insulation		Class H		Class H	
Main Breaker - Shunt Trip	A	400		500	
Power Distribution – Terminal Board		5 Wire (L1, L2, L3, N, Ground)		5 Wire (L1, L2, L3, N, Ground)	
Terminal Board Connections		Bare Wire Terminals		Bare Wire Terminals	
Maximum Terminal Cable Size		350MCM		350MCM	
Convenience Receptacles ³		(2) NEMA 5-20R & (3) 125/250V 50A CS6369		(2) NEMA 5-20R & (3) 125/250V 50A CS6369	

Engine	Units	QAS 150 JD MVT		QAS 200 JD MVT	
Model	John Deere	6068HFG05		6068HFG05	
US EPA Tier		Tier 4 Final		Tier 4 Final	
Displacement	L	6.8		6.8	
Cylinders	#	6		6	
Continuous Engine Power Output	HP (kW)	196 (146)		235 (175)	
Gross Engine Power Output	HP (kW)	215 (160)		257 (192)	
Rated Speed	RPM	1800		1800	
Engine Control		ECU		ECU	
Aspiration		Turbocharged w/ Intercooler		Turbocharged w/ Intercooler	
Engine oil capacity ⁴	US Gal (L)	8.6 (32.5)		8.6 (32.5)	
Engine coolant capacity	US Gal (L)	10.5 (39.7)		10.5 (39.7)	
Maximum Ambient Temperature (@ Sea Level) ⁵	°F (°C)	120 (49)		122 (50)	
Min. Starting Temp (w/o heater)	°F (°C)	14 (-10)		14 (-10)	
Minimum Starting Temperature (with heater) ⁶	°F (°C)	-13 (-25)		-13 (-25)	
Electrical System (Negative Ground)	V	24		24	
Engine Alternator Output	A	60		60	
Battery Capacity (Cold Cranking Amps)	A	(2) 685		(2) 685	

Fuel System		Units	QAS 150 JD MVT		QAS 200 JD MVT	
Fuel Consumption @ 25% load	50Hz / 60Hz	US Gal/hr (L/hr)	2.7 (10.2)	3.8 (14.4)	3.2 (12.0)	4.1 (15.4)
Fuel Consumption @ 50% load	50Hz / 60Hz	US Gal/hr (L/hr)	4.1 (15.5)	5.2 (19.7)	5.2 (19.7)	6.4 (24.2)
Fuel Consumption @ 75% load	50Hz / 60Hz	US Gal/hr (L/hr)	5.8 (21.9)	6.9 (26.1)	7.0 (26.5)	8.2 (31.0)
Fuel Consumption @ 100% load	50Hz / 60Hz	US Gal/hr (L/hr)	7.1 (26.9)	8.2 (31.0)	8.8 (33.3)	10.8 (41.0)
Fuel Type			Ultra-Low Sulfur Diesel ONLY ⁷		Ultra-Low Sulfur Diesel ONLY ⁷	
Fuel Tank Capacity		US Gal (L)	290 (1098)		290 (1098)	
Fuel Autonomy @ 75% load and 90% of tank capacity		Hr	45	37.8	37.3	31.7
DEF Tank Capacity		US Gal (L)	25 (94.6)		25 (94.6)	

¹ All ratings are at a reference condition of 0' altitude and 20°C (72°F)

² Measured in accordance with ISO 2151 under free field conditions @ 7m distance

³ Please see receptacle voltage configuration in Power Distribution section on page #5

⁴ Engine oil to meet CJ-4 (low ash oil)

⁵ Please see "Derate Table" for altitude and temperature calculations on page #4

⁶ Coolant Heater (120V 1000W) is a standard feature.

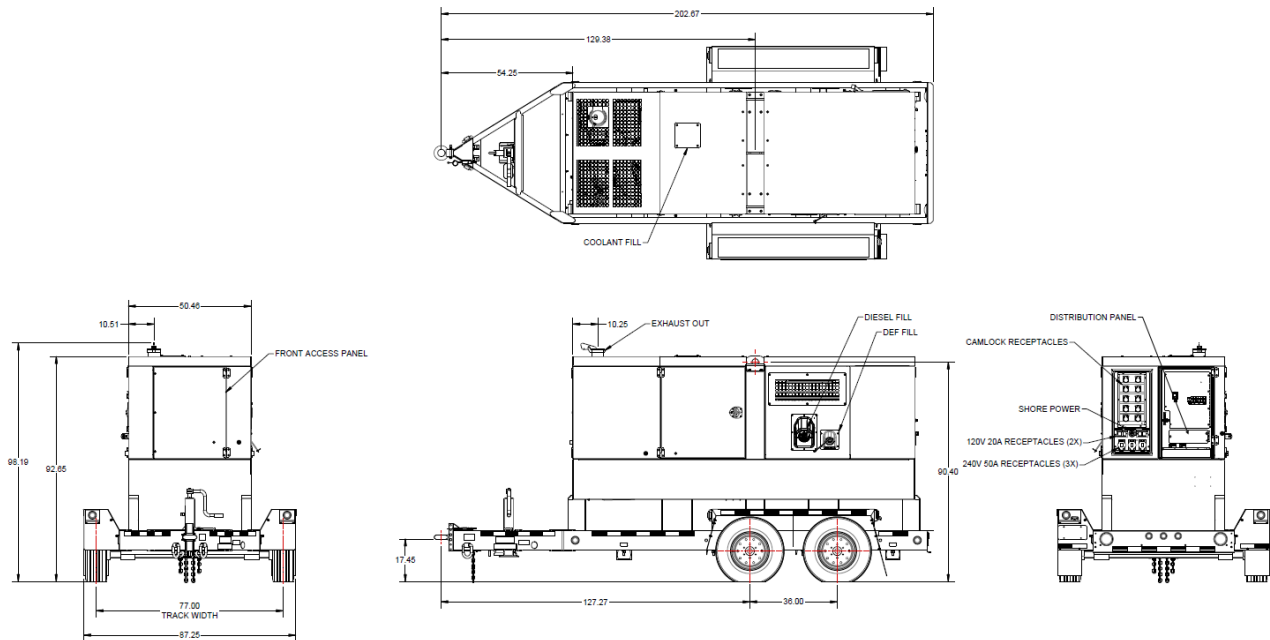
⁷ Engine and emissions require the use of Ultra Low Sulfur Diesel in accordance to ASTM-D975 Grade No.1-D S15 & No.2-DS15

Product Reference –QAS 150-200 JD T4F MVT
PN# TBD
Rev 02

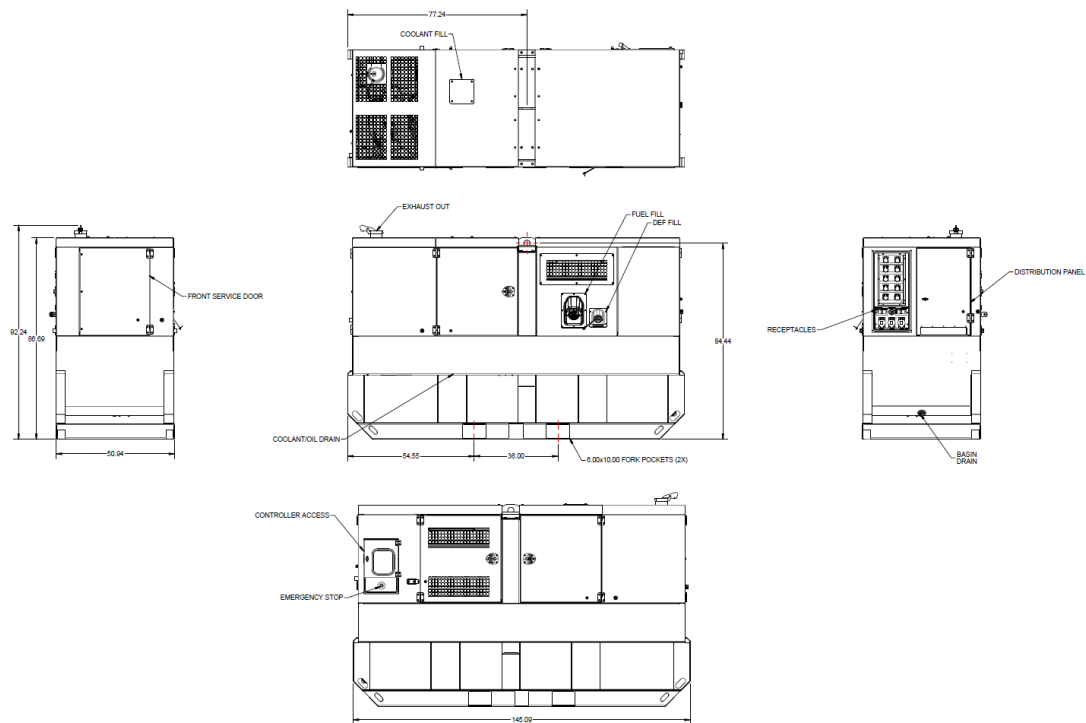


Dimensions

Trailer Mounted



Skid Mounted



Weight - Wet (ready to operate)

Trailer Mounted
Skid Mounted

Units

lbs (Kg)
lbs (Kg)

QAS 150 JD

11535 (5232)
10560 (4790)

QAS 200 JD

11810 (5357)
10780 (4890)

Dimensions

Trailer Mounted (L x W x H)
Skid Mounted (L x W x H)

Inches
Inches

203 x 87 x 98
145 x 51 x 92

Principle Data

Alternator

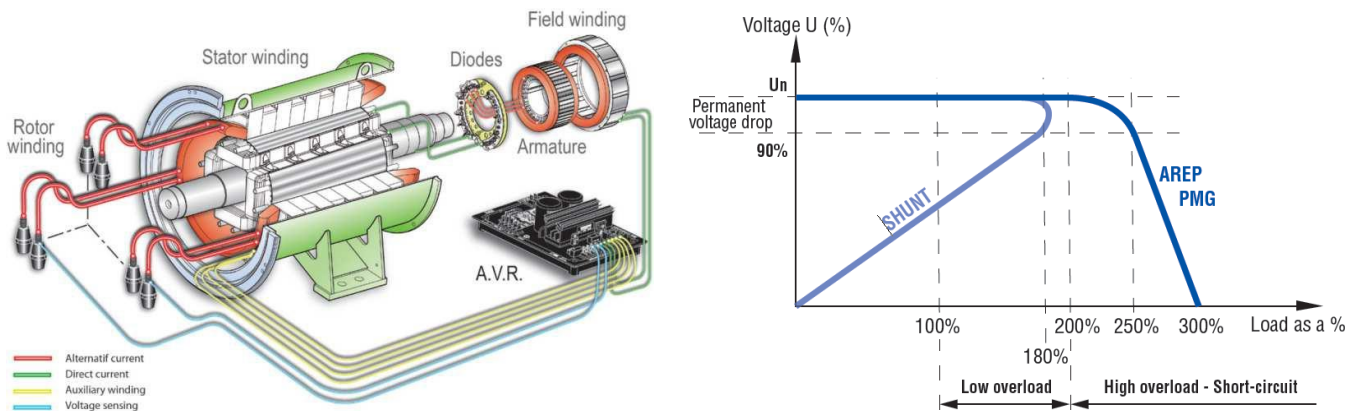
The Leroy Somer LSA alternators are designed for heavy duty continuous applications, with marine winding protection and Leroy Somer's AREP excitation system.

- AREP Excitation for superior motor starting capabilities
- Marine grade (relative humidity >95%) protection
- External multi-voltage selector switch (3 – position)
- 4 pole brushless design with single bearing, Class H insulation and IP23 rating
- Voltage regulation +/- 0.5%
- Full Load acceptance of prime power rating

The AREP system uses 2 independent auxiliary windings located in the main stator to send supply voltage to the AVR:

- The voltage delivered by the first auxiliary winding H1 is proportional to the alternator output voltage (shunt characteristic).
- The voltage delivered by the second auxiliary winding H3 is proportional to the current drawn by the alternator and is a function of the applied load (compound characteristic – booster effect).
- The resulting phase-to-phase voltage supplies power to the AVR.

This power supply to the AVR power circuit is independent of the voltage sensing measured on the alternator output terminals. Therefore, the excitation current delivered by the AVR to the alternator exciter is independent of any voltage distortions (harmonics) due to the load. The AREP system gives the alternator a high overload capacity (load impact or starting electric motors) and a short-circuit capability (300% - 10 s) in order to provide discriminating protection: the alternator with AREP excitation is shorter than the one with PMG excitation. It is particularly suitable for demanding applications.



Performance @ Altitude and High Ambient Conditions

When using at altitude and high ambient conditions the engine and alternator will de-rate as per chart below.

Height m (Feet)	Temperature °C (°F)										
	0 (32)	5 (41)	10 (50)	15 (59)	20 (68)	25 (77)	30 (86)	35 (95)	40 (104)	45 (113)	50 (122)
0	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
500 (1640)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1000 (3280)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
1500 (4921)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
2000 (6561)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	95%
2500 (8202)	100%	100%	100%	100%	100%	100%	95%	95%	95%	90%	85%
3000 (9842)	100%	100%	100%	100%	100%	100%	95%	95%	95%	90%	85%
3500 (11,482)	95%	95%	95%	95%	95%	95%	85%	85%	85%	85%	80%
4000 (13,123)	85%	85%	85%	85%	85%	85%	85%	85%	85%	85%	80%
4500 (14,764)	75%	75%	75%	75%	75%	75%	75%	75%	75%	75%	70%
5000 (16,404)	70%	70%	70%	70%	70%	70%	70%	70%	70%	70%	70%

Power Distribution

The main power is connected from the alternator through a 4-position voltage selector switch to the main power cubicle. The cubicle incorporates all power distribution, controls, sensing and protection devices.

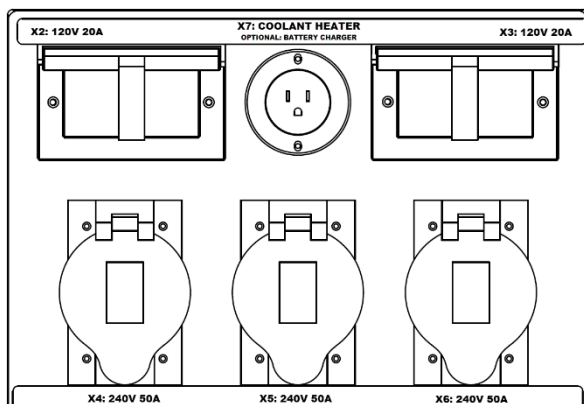
- ✓ 5-position Voltage Selector Switch (VSS)
- ✓ Current transformer x 3 (1 each leg)
- ✓ Single main breaker w/shunt trip
- ✓ Individual breakers for each receptacle
- ✓ Convenience receptacles located on outside of unit for easy access
- ✓ Terminal board for hard wiring
- ✓ Cam-Lock external quick connect (available as option)
- ✓ External emergency stop switch (recessed)
- ✓ Neutral bonded to Ground with a removable bonding link accessible in the control cubicle

Please refer to the chart below for power distribution and voltages. NOTE: All voltages below are subject to change, depending on set point of “Fine Voltage Adjustment” potentiometer and Voltage Selector Switch.

Fine Voltage Adjustment	Voltage Selector Switch Position	120V Receptacle NEMA 5-20R	125/250V Receptacle CS6369	Terminal Board				
				L1	L2	L3	N	Ground
	Pos. 1  400/231V 3Ø 50Hz	N/A	N/A	400	231	231	231	
	Pos. 2  240/120V 1Ø 60Hz	120V	240/120V	240	120	120		
	Pos. 3  240/139V 3Ø 60Hz	139V	240/139V	240	240	139	139	
	Pos. 3  240/139V 3Ø 60Hz	120V	208/120V	208	208	120	120	
	Pos. 4  480/277V 3Ø 60Hz	139V	240/139V	480	480	277	277	
	Pos. 5  600/346V 3Ø 60Hz	N/A	N/A	600	600	346	346	

- All voltages are adjustable with the “Fine Voltage Adjustment” potentiometer located on the control panel. Therefore, voltage may be different then what is shown in the above table. All voltages should be verified before connection to the unit.

Convenience Receptacles



Receptacle	Type
X2, X3	120V - NEMA 5-20R
X4, X5, X6	125/250V - CS6369
X7	120V - NEMA 5-15P

Controller - Standard

The QAS 150 and QAS 200 JD T4F MVT come equipped with a DeepSea 7310 control module. This is a fully diagnostic ECU controller with large 3" display, that is intuitive and easy to operate with all functions conveniently at your fingertips. The controller also manages the engine ECU operating system, and several safety warnings and shut downs on various parameters (listed below).

The controller is powered by a main on/off switch located next to unit.

DeepSea 7310 Controller Functionality:

Home Page (displayed while running, scrolling every 3seconds)

- ✓ Generator voltage (ph-ph)

Status Page

- ✓ Generator voltage (ph-N)
- ✓ Generator voltage (ph-ph)
- ✓ Generator frequency
- ✓ Generator kw
- ✓ Generator power factor
- ✓ Generator amperage

Generator Page

- ✓ Generator current (A)
- ✓ Generator earth current
- ✓ Generator load (kw)
- ✓ Generator load (kVA)
- ✓ Generator power factor
- ✓ Generator load (kVAh)
- ✓ Generator load (kWh, kVAh, kVArh)
- ✓ Generator phase sequence
- ✓ Dual mutual status

Event Page

- ✓ Displays the last 15 events

Remote Start/Stop

- ✓ Automatic start/stop via 2 wire dry contact connection

Operational Buttons

- ✓ Start button
- ✓ Stop button
- ✓ Automatic mode (external remote start)
- ✓ Up/Down arrows

Info Page

- ✓ Model number
- ✓ USB identification number
- ✓ Configured engine type
- ✓ Module date and time
- ✓ Scheduler setting

Engine Page

- ✓ Engine speed
- ✓ Oil pressure
- ✓ Coolant temperature
- ✓ Engine battery volts
- ✓ Run Time
- ✓ Oil Temperature
- ✓ Fuel Temperature
- ✓ Turbo Pressure
- ✓ Fuel Pressure
- ✓ Fuel Consumption
- ✓ Fuel Used
- ✓ Fuel Level
- ✓ Auxiliary Sensors
- ✓ Engine Maintenance Due
- ✓ Engine ECU Link

Engine DTC Page

- ✓ This page contains any active Diagnostic Trouble Codes that the engine ECU is currently generating. These alarms are conditions detected by the engine ECU and displayed on the DSE controller.



Controller – Paralleling Option

The QAS 150 and QAS 200 JD T4F MVT are also available with a Qc 4003 controller with a capacitive touch screen. This is a fully diagnostic ECU controller with large 7" diagonal (800 x 480 pixel) touch screen display that is intuitive and easy to operate with all functions conveniently at your fingertips. The controller also manages the engine ECU operating system, and a number of safety warnings and shut downs on various parameters.

Additionally, our Power Management System (PMS) enables the optimization of fuel consumption and expands the generator lifetime. PMS manages the quantity of generators running in parallel with load demand, starting and stopping units in line with increases or decreases in load. This ensures the demand on each generator remains at a level which optimizes fuel consumption. This also eliminates the need for generators to run with low load levels, which can cause engine damage and shorten the life expectancy of the equipment.

Qc 4003 Controller Benefits:

Modular Plant Capacity

- ✓ The Qc 4003 controller allows up to 32 generators to be coupled in parallel to fit the power requirement of any application.

Remote communication capability

- ✓ The Qc 4003 supports serial communication protocols including Modbus (RS-485, USB, and TCP/IP) and Profibus allowing you to supervise and control your genset/plant remotely.

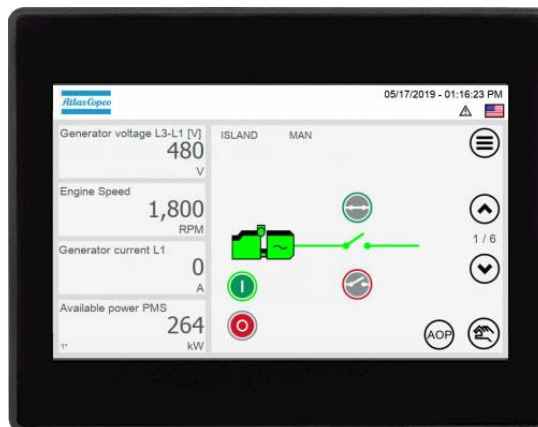
User friendly rental interface

- ✓ Rental companies will benefit from the standardized user interfaces. The controller has been designed with ease of operation in mind, and rental companies can easily set and lock parameters to ensure full protection of their equipment.

Available Modes:

- ✓ **Island mode** - Power plant with synchronizing generators or a stand-alone generator. Also applicable in critical power plants.
- ✓ **Automatic Mains Failure** - Critical power/emergency standby plants, black start generator.
- ✓ **Fixed power** - Power plant with fixed kW set point (including building load).
- ✓ **Peak shaving** - Power plant where generator supplies peak load demand paralleled to the mains.
- ✓ **Load takeover** - Plant mode where the load is moved from mains to generator, for example peak demand periods or periods with risk of power outages.
- ✓ **Mains power export** - Power plant with fixed kW set point (excluding building load).
- ✓ **Remote maintenance** - Used when the generator must supply the load while a distribution transformer is disconnected for service.

* All modes are configurable, and it is possible to change the plant mode on the fly both in single and in power management applications.



Engine

John Deere

JD Tier 4 Final, turbo charged, intercooled, six-cylinder, liquid-cooled diesel engine provides ample power to operate the generator continuously at full-load.

Meets all US EPA, CARB and Environment Canada exhaust legislations with Tier 4 Final compliance. The engine utilizes a **Selective Catalytic Reduction** (SCR) and Diesel Exhaust Fluid (DEF) to meet final Tier 4 emissions. All functionality of the engine is controlled automatically on the controller.

The engine has the capability to start the generator at 14°F (-10°C) with standard glow-plug aid. A 1000W, 120V coolant heater is standard and allows machine starting for down to -13°F (-25°C).

The 290 Gal (1098L) fuel tank is sufficiently sized to operate the unit at full-load condition for long run times (see the *Technical Data* table for specifications).

The engine operates on a 24V negative ground electrical system with a charging alternator and lockable battery cutoff switch.

The cooling system is suitably designed for continuous operation in ambient conditions up to 122°F (50°C), with canopy door closed.

Fuel System

A large 290 Gal (1098L) fuel tank provides safe diesel storage while eliminating tank corrosion contaminants from being introduced to your fuel system. With integrated fuel water separator and filter, the system is designed to help maintain clean and trouble-free diesel supply to the engine for reliable trouble-free operation.

- ✓ UN31A Certified
- ✓ Pad-lockable diesel fill cap
- ✓ Fuel / Water separator
- ✓ Inline priming pump (w/ filter)
- ✓ Fuel pre-filter
- ✓ Fuel supply pump (w/strainer)
- ✓ Fuel level sensor
- ✓ Low fuel shut down feature (programmable level)

Scheduled maintenance

Standard equipped with filters sized and designed to allow 500-hour service intervals under normal operating conditions. Extended time between services reduces down time and total cost of ownership of the unit over its lifetime.

- | | |
|---|--|
| <ul style="list-style-type: none"> • 500 Hour Service Interval: <ul style="list-style-type: none"> ✓ Oil filter ✓ Fuel filter ✓ Fuel / water separator | <ul style="list-style-type: none"> • 1000 Hour Service Interval: <ul style="list-style-type: none"> ✓ Air filter ✓ Oil filter ✓ Fuel filter ✓ Fuel / water separator |
|---|--|

NOTE: Site specific operating conditions such as; poor fuel quality and low load profile may require more frequent service intervals.

Enclosure & Frame

The generator enclosure is designed for extreme applications to provide superior performance and reliability.

The enclosure is fabricated from zinc rich primer steel which is powder coated for corrosion resistance and tested for 1000 hours. The enclosure and frame are fully sealed from the radiator to the back of the unit, providing a true 110% containment of all fluids.

- ✓ Zinc rich primer, powder coated enclosure 1000 hour salt spray tested
- ✓ Heavy duty base frame
- ✓ 110% fluid containment
- ✓ Superior level of rain ingress protection and design features
- ✓ Pad-lockable doors and fuel cap
- ✓ Engine fluid plumbed to exterior of frame for ease of service
- ✓ Central lifting point
- ✓ Sound dampening material and design to allow quiet operation at 68 to 71 dB(A)

Undercarriage

The QAS 150 and QAS 200 JD T4F MVT are available with two undercarriage alternatives, providing utmost flexibility in installation, site handling or towing. Both the skid frame and the trailer mount the same way and can be interchanged for versatility.

- Trailer mounted:
 - ✓ Dual axle trailer
 - ✓ Available with electric brakes
 - ✓ DOT/Federal MVSS 49CFR571 approved light package
 - ✓ Adjustable height pintle hitch (3" lunette)
 - ✓ 15" Rims w/ ST225/75R15 Tires for trailer use
 - ✓ Heavy Duty torsion axle
 - ✓ Safety chains
 - ✓ Screw jack leveling, with pad foot, 3,000 lbs static capacity
 - ✓ Single point lifting structure
 - ✓ D-Ring Tie down points x4
- Skid mounted:
 - ✓ Sub-frame skid with integrated forklift pockets
 - ✓ Heavy duty design for use in extreme conditions
 - ✓ Frame is ¼" wider than machine to reduce damage from forklifts
 - ✓ Built-in locations for straps or chains to secure the unit for transport
 - ✓ Single point lifting structure

Factory Options Available

- SKID Mount
- Spare tire
- Stabilizer jacks
- Toolbox
- Parallel Cubicle (includes Qc4003 controller + Touch Screen Display and Motorized Breaker)
- Internal Lights
- External Fuel Tank connections

Manufacturing & Environmental Standards

The **QAS 150 and QAS 200 JD T4F MVT** are manufactured following stringent ISO 9001 regulations, and by a fully implemented Environmental Management System fulfilling ISO 14001 requirements.

Attention has been given to ensure minimum negative impact to the environment.

The **QAS 150 and QAS 200 JD T4F MVT** meet all current US EPA, CARB and Environment Canada exhaust and noise emission directives.

Supplied Documentation

The unit is delivered with documentation regarding:

- Hard copies of the Atlas Copco Operators Safety and Instruction Manual, Atlas Copco Parts Book, John Deere Engine Manual and Parts book, in English as well as electronic copies available on request.
- Warranty Registration card for engine and Atlas Copco Generators (Units must be registered upon receipt).

Warranty Coverage

Atlas Copco Generator: Warrantied to be free from defects with regard to material and workmanship for the period of eighteen (18) months from date of shipment from the factory, or twelve (12) months from date of initial startup, whichever occurs first, without limitation of running hours.

John Deere Engine: John Deere Diesel engines are warranted to be free from defects with regard to materials and workmanship for the period of twelve (12) months without limitations in running hours, or twenty-four (24) months prior to the accumulation of 2,000 hours from the date of invoicing from Atlas Copco.

Leroy Somer Alternator: Warrantied to be free from defects with regard to material and workmanship for the period of twenty seven (27) months from date of shipment from the factory, or twenty four (24) months from date of initial startup or 10,000 hours, whichever occurs first.

Extended Warranty Programs: Programs are available; please contact your local sales representative for more info.



1001159316 ONTARIO INC. o/a

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August 5, 2026

GENERATOR LOAD TEST REPORT

SECTION 1 – PURPOSE

This load test was conducted to determine the actual electrical demand of the Val Rita School under progressive, real-world operating conditions. The objective of this assessment is three-fold:

1. To establish the measured peak electrical load of the facility under full operating conditions.
2. To confirm the adequacy of the existing or proposed standby generator relative to the observed demand.
3. To provide a definitive generator sizing recommendation based on empirical data, incorporating appropriate design safety margins for ongoing and future facility operation.

This report is intended for submission to the facility owner and/or the relevant engineering authority. All findings and recommendations contained herein are based solely on measurements recorded during the on-site load test and are governed by standard electrical engineering practice applicable to standby power system design.

SECTION 2 – METHODOLOGY

Load testing was conducted using a staged, incremental energization methodology. Building electrical loads were brought online sequentially, from baseline building systems through to full facility operation, in order to capture the cumulative electrical demand at each discrete stage of operation. This approach provides a structured and reproducible demand profile for the facility.

Measurements were recorded using a calibrated clamp meter and portable power analyzer connected at the main electrical distribution panel. All recorded values represent real power demand (kW) as observed at the point of common coupling. Apparent power (kVA) and power factor were noted where applicable to inform generator sizing calculations.

Testing was performed under normal day-to-day operating conditions representative of typical building occupancy and seasonal use. The staged sequence was designed to capture cumulative load build-up beginning from the baseline building systems (lighting, plug loads, and controls) through to peak demand including heating, kitchen equipment, and air conditioning.

Measurement Note

All measurements reflect observed real power (kW) at the time of recording. Load cycling and operational variation inherent to building systems may cause minor fluctuations between successive stages. Readings should be interpreted as representative demand values, not absolute instantaneous maximums.

SECTION 3 – STAGED LOAD TEST RESULTS

The following table presents the recorded electrical demand at each stage of the load test. Readings were captured sequentially following the energization of each load group. The cumulative measured load represents the total facility demand as observed at the main panel at each test stage.

Stage	Load Description	Cumulative Measured Load (kW)	Incremental Load Added (kW)
1	Baseline (lighting, plug loads, controls)	23.0	23.0
2	Dryer added	26.0	+3.0
3	Heating system energized	61.5	+35.5
4	Kitchen appliances added	71.5	+10.0
5	Dishwasher added	74.0	+2.5
6	Full load – Air Conditioning energized	93.0	+19.0

Stage 1 – Baseline Notation

The Stage 1 baseline of 23.0 kW represents building systems at rest including lighting, plug loads, and controls. Cumulative load values are additive from Stage 1 onward.

SECTION 4 – MAXIMUM OBSERVED LOAD

The maximum electrical demand recorded during the load test was observed at Stage 6, during simultaneous operation of all building systems inclusive of air conditioning. At this stage, the facility was operating at its full measured capacity under the tested conditions.

93.0 kW Maximum Observed Facility Demand

Stage 6 Test Stage Peak Demand (All Systems On)

The 93.0 kW peak demand represents the facility's full operational electrical load under the conditions observed during testing. This figure serves as the baseline measured demand upon which all generator sizing calculations and recommendations in Section 5 are predicated. It is noted that this value reflects *running load* only; motor starting transient demands, particularly associated with HVAC compressor equipment, may temporarily exceed running values and are addressed separately in the sizing recommendation.

SECTION 5 – GENERATOR SIZING RECOMMENDATION

Based on the measured peak demand of 93.0 kW, the following generator sizing recommendation is provided in accordance with standard electrical engineering practice for standby power system design. A design margin of 20–25% above the observed peak load is applied to account for measurement tolerances, load growth, and operational safety factor.

Measured Peak Load (Running)	
Design Safety Margin Applied	20–25% above measured peak (industry standard)
Minimum Recommended Generator	125 kVA / 100 kW (Standby Rating)
Preferred Recommendation	175 kVA / 140 kW (Prime Power Rating) provides operational safety margin and capacity for future load growth
Generator Type	Prime power diesel generator
Power Factor Assumption	0.8 pf (standard for generator sizing per IEEE and CSA guidelines)
Motor Starting Consideration	Generator sizing must account for motor starting kVA (inrush) of HVAC compressors and other inductive loads, which may transiently exceed running load values

Recommendation Summary

Electrical Power Solutions recommends the procurement and installation of a **175 kVA / 140 kW diesel gas generator** for the Val Rita School facility. This unit provides the required safety margin above the 93.0 kW measured peak, accommodates motor starting transients, and positions the facility with meaningful capacity reserve for future load additions.

SECTION 6 – CONCLUSION

The staged load test conducted at Val Rita School successfully captured the full electrical demand profile of the facility, progressing from the baseline building systems through to peak simultaneous operation of all major electrical loads including lighting, plug loads, controls, heating systems, kitchen equipment, dishwasher, and air conditioning.

The measured peak demand of **93.0 kW**, recorded at Stage 6 with all systems operating concurrently, establishes the empirical basis for the generator selection. Applying the required 20–25% engineering design margin, a minimum standby generator rating of **125 kVA / 100 kW** is confirmed as the absolute minimum requirement to support the facility during utility supply interruptions.

It is the professional recommendation of Electrical Power Solutions that the facility proceed with the installation of a **175 kVA / 140 kW prime power generator**. This selection provides the necessary safety margin above the observed peak running load, accommodates transient motor starting demands from HVAC equipment, and ensures the facility retains adequate reserve capacity to support reasonable future load growth without requiring generator replacement or supplementation.

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