APPLICATION AND INSTALLATION GUIDE

INTRODUCTION

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Foreword

This section of the Application and Installation Guide is an introduction to the purpose and content of the complete guide.

This section of the guide also provides some explanation of Caterpillar information and support tools; these tools are for various levels of users, inside and outside the Caterpillar family, and may not be accessible to all users.

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Introduction

Proper engine selection and installation is vital for dependable performance and long, trouble-free life. The purpose of this guide is to help the reader:

- Make knowledgeable choices of power equipment.
- Design and build installations that perform reliably at an optimum price/value relationship to the customer.

To ensure proper installations are accomplished, Caterpillar has support capability unmatched in the industry. From conception of power needs, through varied disciplines required for installation, to service and maintenance demanded years after completion, Caterpillar continues its commitment to its customer's successful installations.

The information presented in this guide will aid in the planning through customer acceptance phases of a project. This guide has been arranged to include core system sections, application specific sections and related technical reference information.

Please note that this guide has been designed to enable the information to be kept current. The most up-to-date versions of the guide can always be found on the Electronic Media Center (EMC). Application and installation specific technical data is not included in the text portion of the guide. Technical data can be found in a variety of other model and application specific documents, some of which are included in the reference material to this guide.

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NOTICE

Development of installation knowledge parallels equipment advances. While this application and installation guide summarizes many aspects of installation, Caterpillar Dealers stand ready to assist you. Caterpillar dealers for your area can be found on http://www.cat.com.

It is the installer's responsibility to consider and avoid possibly hazardous conditions, which could develop from the systems involved in the specific engine installation. The suggestions provided in this guide are necessarily of a general nature since only the installer is familiar with the details of a particular installation. Consider the suggestions provided in this guide as general examples only. The suggestions are in no way intended to cover every possible issue for all installations.

The table of contents at the beginning of this guide can be used as a checklist of subjects affecting engine installation. Referring to this index during preliminary planning avoids the effort and expense of after-installation changes. Also, please note that at the end of each section we have included a list of reference materials that provide additional information for the issues covered in that section.

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Additional Resources

Product support is provided by the Caterpillar Dealer network. Please note that many of the following systems are available to Caterpillar Dealers only. They operate within an IMS environment through the Caterpillar Network and function under a Corporate Web Security System.

Application Support Center (ASC)

The ASC is to be used for pre-sale technical inquiries and quote requests.

The ASC Website includes downloadable forms for generator quote requests, special rating requests, etc.

Contact information for the ASC is as follows:

Worldwide Telephone: 765-448-2400

Worldwide Fax: 765-448-2300

Worldwide Email: applicationsupport@cat.com

Website: http://applicationsupport.cat.com

Dealer Solutions Network (DSN)

The DSN is to be used for post-commissioning product support issues.

Contact information for the DSN is as follows:

NACD/LACD Tier I Telephone: 309-636-8500

EAME Tier I Telephone: 41-22-849-9500

APPS Tier I Telephone: 91-41-16-24-1085 ext. 8002

Website: https://cpi.cat.com

Service Information System (SISweb)

The SISweb is the source for all service manuals, engine news, product news, etc.

Service manuals include the Operation and Maintenance Manual (OMM), Disassembly and Assembly (D&A), Systems Operation, Testing and Adjusting (SysOp, T&A), Specifications, Parts Books, etc.

Website: https://sis.cat.com

Electronic Media Center (EMC)

The EMC is the source for all sales and marketing information such as brochures, pictures, and these A&I guides.

Website: http://emc.moss.cat.com

Technical Marketing Information System (TMI)

The TMI System is the source for technical data engine products including as shipped consists, rating specific tech data, test cell data, feature code / part number cross reference, etc.

Website: http://tmiweb.cat.com

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Engine Installation Drawing Cross Reference (XREF)

XREF is the source for standard installation drawings and attachment dimension drawings.

Website: http://xref.moss.cat.com

Cat Power Net

Cat Power Net is the source providing sales, support and general information that spans each of our six engine market industries:

Marine: https://engines.cat.com/infocast/frames/marine/

Industrial: https://engines.cat.com/infocast/frames/industrial/

Oil and Gas: https://engines.cat.com/infocast/frames/oilandgas/

On-Highway Truck: https://truck.cat.com/

Electric Power: https://engines.cat.com/infocast/frames/ep/

Railway Power: https://engines.cat.com/infocast/frames/railway/

Cat Power Net includes the latest news, engine availability letters, warranty statements for different industries, etc.

Website: https://engines.cat.com

Media Logistics

Media Logistics can be contacted to order paper copies of any documentation that has a media number available.

Media Logistics should also be contacted to determine if any documentation is available in other languages.

Telephone: 1-800-566-7782

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