

Data Sheet

# PLUS+1<sup>®</sup> Propel Application Library

## Mobile Machine Management

The PLUS+1<sup>®</sup> Propel Application Library (PAL) consists of GUIDE application software blocks used for engine power management, intelligent flow sharing and operating limits.

## Product Highlights

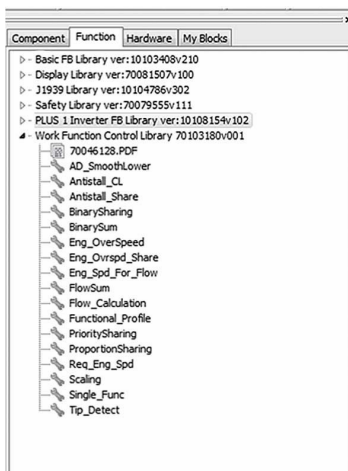
Flexible library blocks enable machine specific differentiation, reduce development effort resulting in fast time to market. Pre-programmed and tested libraries support use with platform variants and ease product life-cycle management.

## User-programmable

Library blocks allow machine specific tailoring, which is accomplished by using PLUS+1<sup>®</sup> GUIDE (Graphic User Integrated Development Environment) tool set. This environment allows the developer to configure PLUS+1<sup>®</sup> hardware, select application options, integrate the applications with other sub-system applications, and enhance the application with additional features.

## Features

- GUIDE drop down menu



- Engine Power Management Include
  - Target Speed Command Calculations
  - Speed Limits
  - Anti-Stall
- Intelligent Flow Sharing Include
  - Demand Calculator
  - Flow Calculator
  - Function Priority Hierarchy Structuring
  - Output Profiling
  - Function Scaling
  - Active Dampening
- Operation Limits
  - Longitudinal load moment control/ indication



Comprehensive technical literature is online at [www.danfoss.com](http://www.danfoss.com)

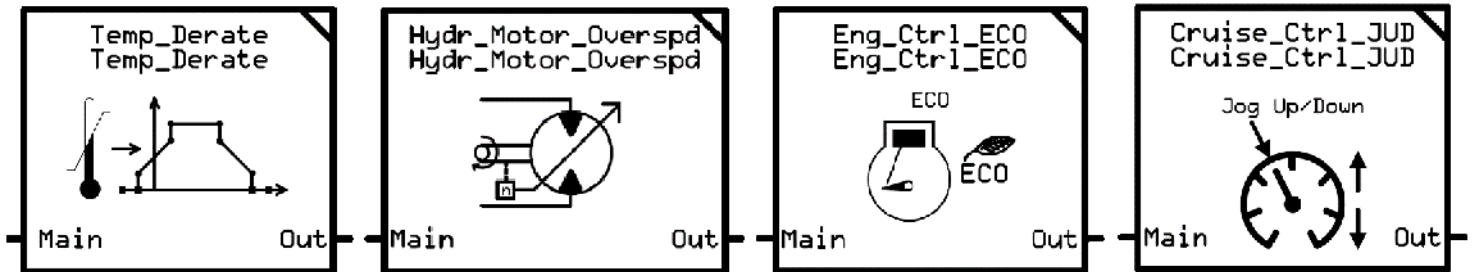
**GUIDE Programmable Subsystem Application Service Tool**

The PLUS+1<sup>®</sup> GUIDE Service Tool screens provide the ability to monitor and tune the operation of devices on the PLUS+1<sup>®</sup> network. Standard features include: bar graph display, oscilloscope display for trending and tuning, data record, and export feature. All required user modifiable service screens are provided with this product.

PC with Danfoss PLUS+1<sup>®</sup> GUIDE. Gateway supported by Service Tool program. PLUS+1<sup>®</sup> Compliant module.



*Scalable PLUS+1<sup>®</sup> Service Tool Configuration*



**Specifications**

Minimum requirements
PC with PLUS+1 <sup>®</sup> GUIDE, version 8.1 or later
Gateway supported by the PLUS+1 <sup>®</sup> Service Tool

*Ordering information*

Description	Part number
Library-Work Function	11179529
Library- Propel Application Library (Advanced)	11182154
Integration-Simulink S Function	11179531
PLUS+1 <sup>®</sup> GUIDE Professional	11179523
PLUS+1 <sup>®</sup> GUIDE Add-ons	11179525
PLUS+1 <sup>®</sup> Service Tool Add-ons	11179527

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