

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

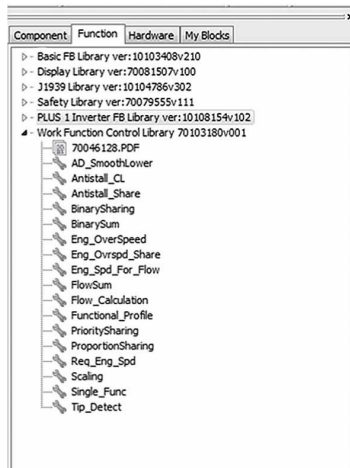
Flexible library blocks enable machine specific differentiation, reduce development effort resulting in fast time to market. Pre-programmed and tested libraries support use with platform variants and ease product life-cycle management.

## 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 online  
at [powersolutions.danfoss.com](http://powersolutions.danfoss.com)





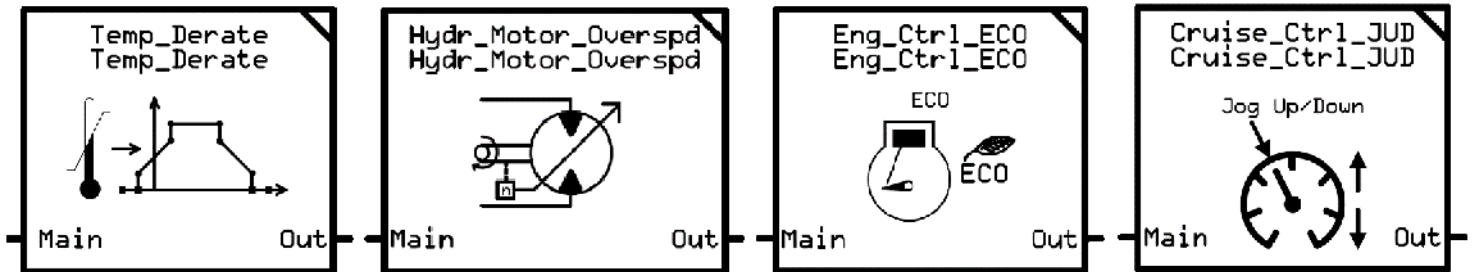
**GUIDE Programmable Subsystem Application Service Tool**

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

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and the Danfoss logotype are trademarks of Danfoss A/S. All rights reserved.