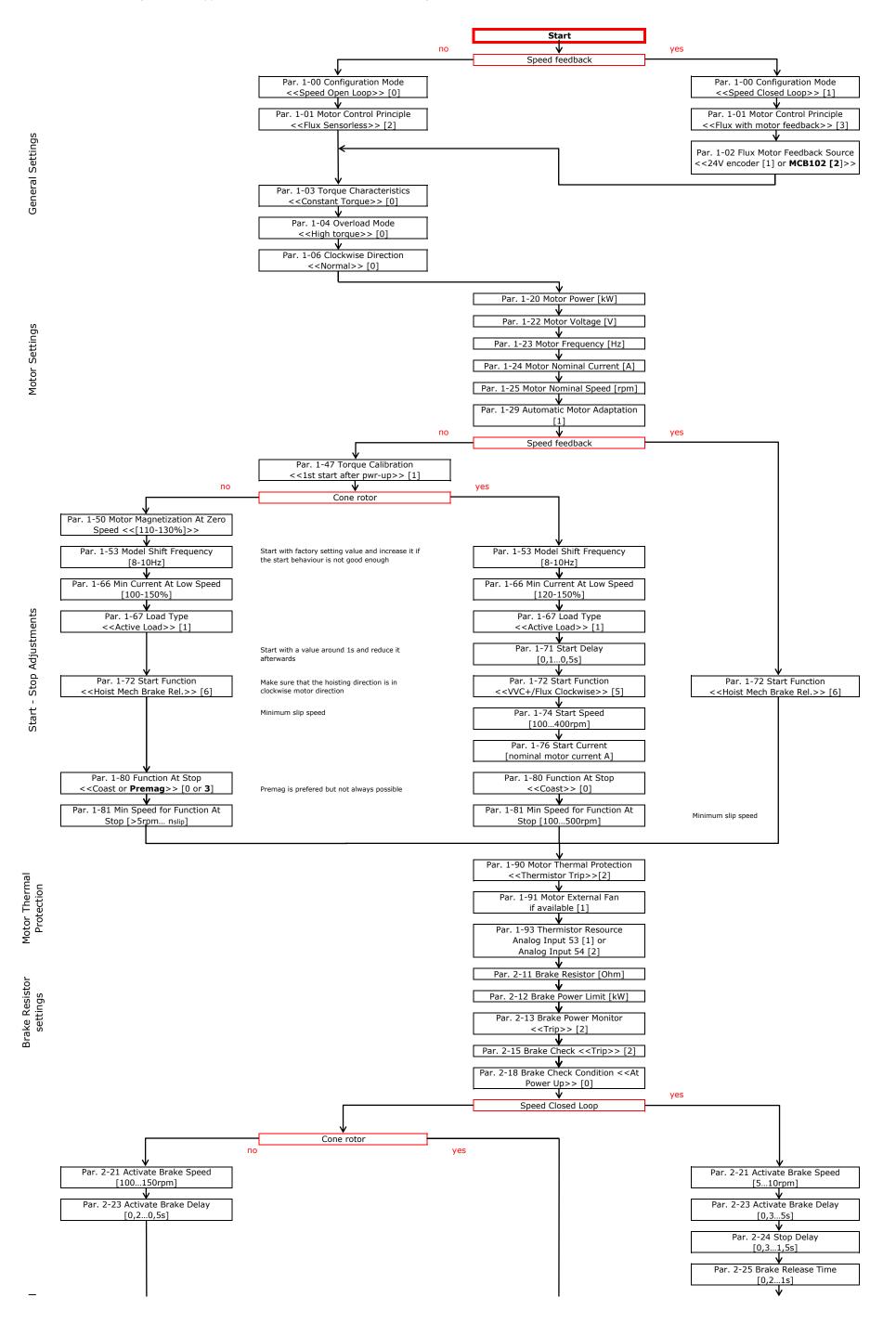
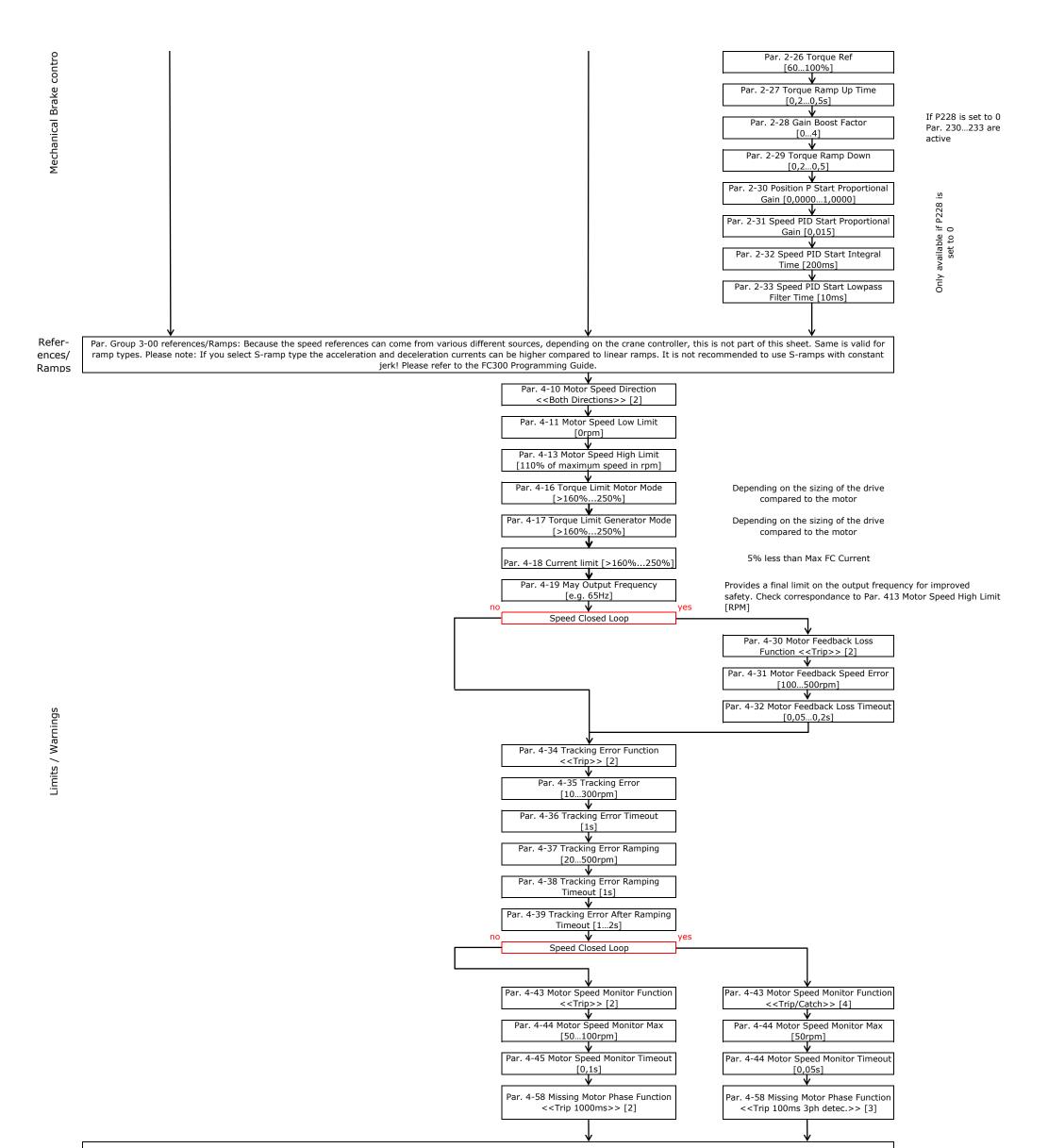
## **VLT® Automation Drive FC302**

Recommended Drive settings for hoist applications with drive sw version 7.29 and higher





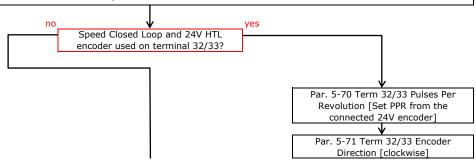
Digital Inputs

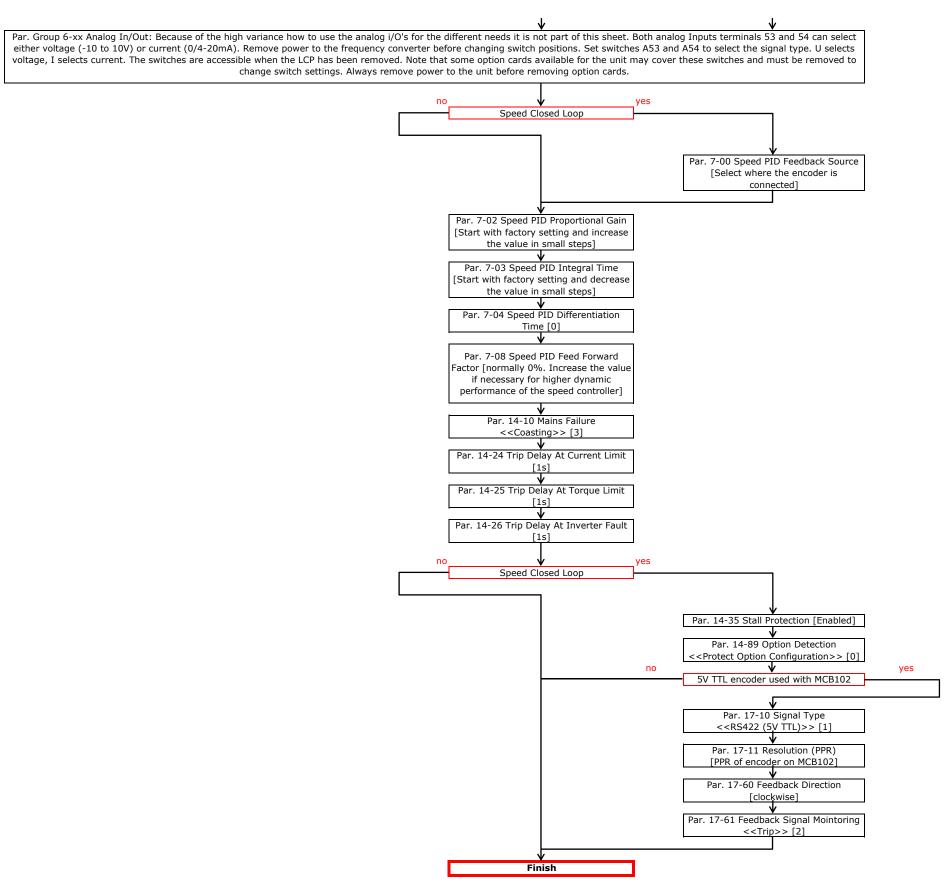
> Digital Outputs

Par. Group 5-00 Digital I/O Mode and group 5-10 and 5-20 Digital Inputs: Because of the high variance how to programm the digital inputs for start/stop, fixed speeds, direction, setup selection,... this is not part of this sheet. Please refer to the FC300 Programming Guide for details. But because of the importance of the mechanical brake control the brake feedback signals are described afterwards. If the mechanical brake is providing one or two feedback signals it is highly recommended to use them for checking the status of the mechanical brake during operation. Use one or two digital inputs for Mech. Brake Feedback [70] and Mech. Brake Feedback Inv. [71]. Detailed description in the timing diagram for Hoist Mech. Brake in FC300 Programming Guide. It is recommended to use Safe Stop terminal 37 as "safe stop alarm" or "warning".

 $\mathbf{V}$ 

Par. Group 5-30 Digital Outputs: Because of the high variance how to programm the digital outputs for all kind of status signals, this is not part of this sheet. But because of the importance of the mechanical brake control the digital output and relay for the mechanical brake control are described below. Use one of the digital outputs 27 or 29 or one of the relays for mechanical brake control. These functions are in Par. 5-30, 5-31 and 5-40. Do <u>not</u> use any other function than *Hoist Mech. Brake* for controlling the mechanical brake of the motor!





Autor: Peter Bohlender Last date modified: Oct. 22. 2015 Version: 1.0

Analog In/Out

Speed PID Controller

Special Functions

Incremental Encoder Interface