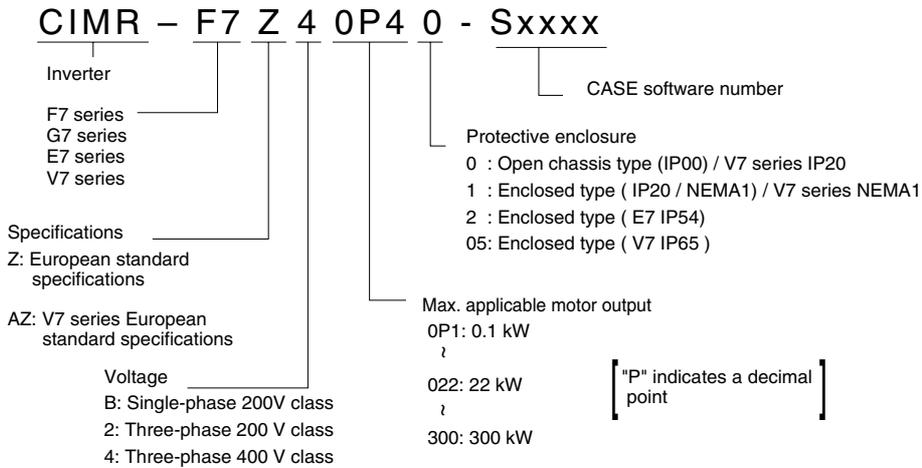




Specifications

Type designation

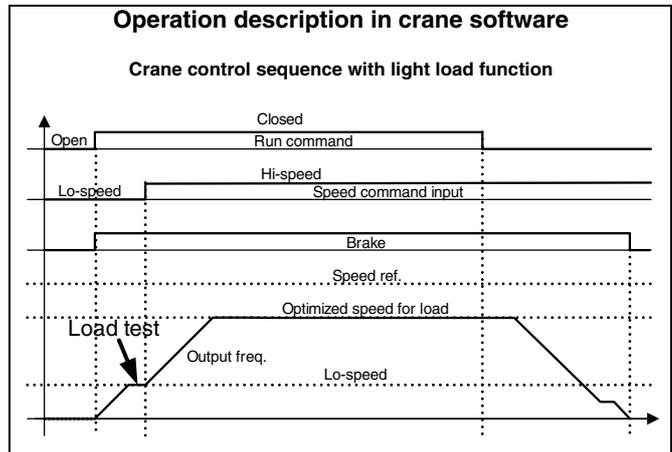


CASE software

Compatible inverter	CASE software	Description	Application
Varispeed F7Z	S7071	Dedicated software for crane applications	Cranes
	S8161	Dedicated software for position and speed follower applications	Synchronized movements
	S8180	Dedicated software for rewinding and unwinding applications	Rewinding & unwinding
	S8795	Dedicated software for point-to-point position applications	Point-to-point movements applications
Varispeed E7Z	S8801	Dedicated software for pump sequencer applications	Water supply, building HVAC.
Varispeed V7AZ	S9381	Dedicated software for textile wire winding applications.	Textile winding

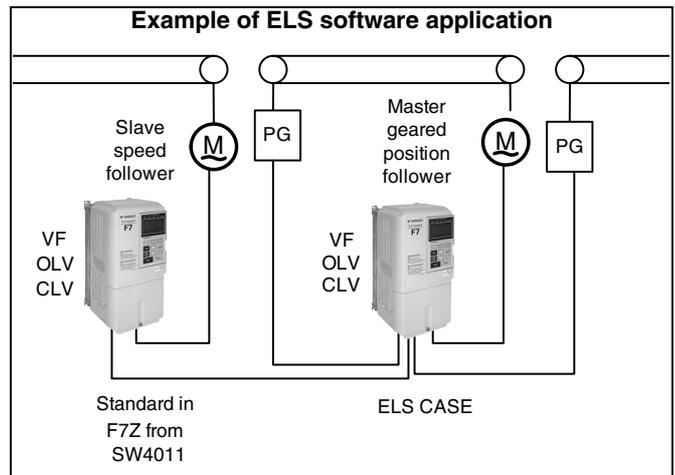
CRANE software - S7071

- Dedicated software for crane applications.
- Provides specific safety functionality.
- Dedicated brake sequence ensures no load movement.
- Smooth operation thanks to jerk control capabilities.
- Flexible over-load/over-torque detection levels.
- Load holding operation using “zero servo” function (closed loop vector)
- End of travel limit function for increased safety.
- High motor torque and speed accuracy even at low speed.
- Swift lift function optimizes vertical lifting speed to suit the load.
- Compatible inverters: F7 series



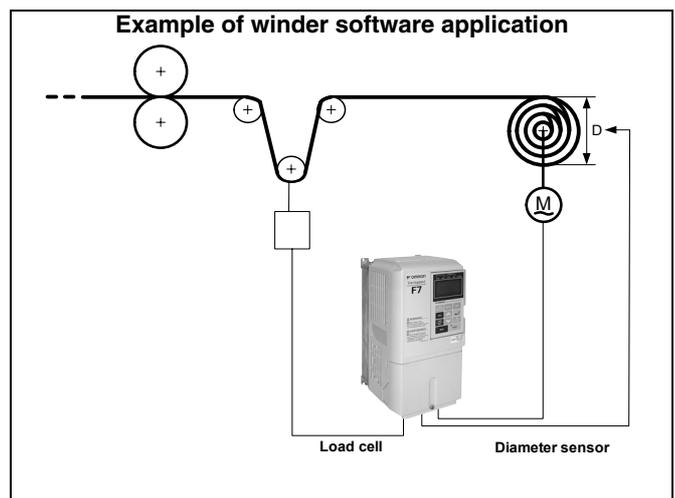
**ELS - electronic line shaft software - S8161**

- Dedicated software for position & speed follower applications.
- This functionality allows a slave drive to precisely follow a master encoder.
- The follower drive can match its position (phase angle) to the master.
- The speed or position ratio between the master and the follower is infinitely adjustable
- This function is used when the machine being driven requires two mechanically isolated and motor-driven mechanisms to maintain a constant position relationship.
- A gear ratio adjustment can be added to the speed reference via parameter, analogue input, or serial communication.
- Both the master and slave encoder signals are fed into the follower drive's dual encoder option card. (PG-Z2)
- Position offset advance/retard by digital/parameter or communications.
- Compatible inverters: F7 series



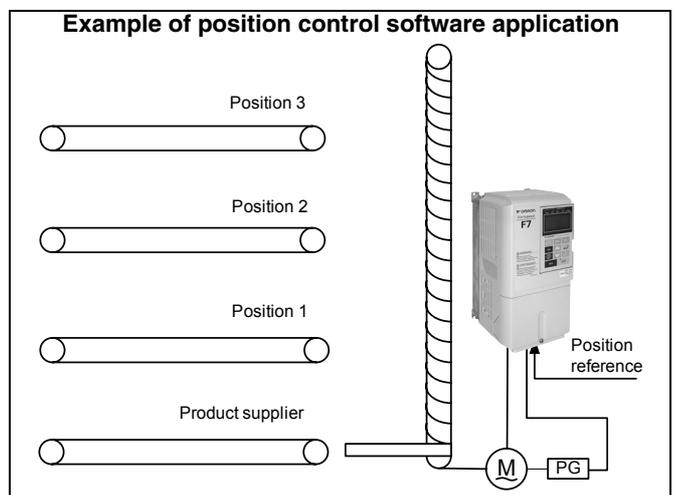
**Winder software - S8180**

- Dedicated software for rewinding and unwinding applications.
- The software provides a specific calculation of the torque reference and speed limit in torque control for rewinder inverter drives.
- In diameter compensation (with or without external sensor) the rewind drive speed (frequency reference) is changed in relation to incoming web speed, diameter and tension to give the same linear speed as the diameter builds.
- The rewind torque is controlled to give constant tension control, the required tension being set from a potentiometer (analogue input) or from MEMOBUS communication.
- Direct PID based tension control is also available (dancer arm, load cell, etc...)
- Rewind and rewind modes.
- Inertia compensation function as well as static and dynamic friction compensation
- Compatible inverters: F7 series



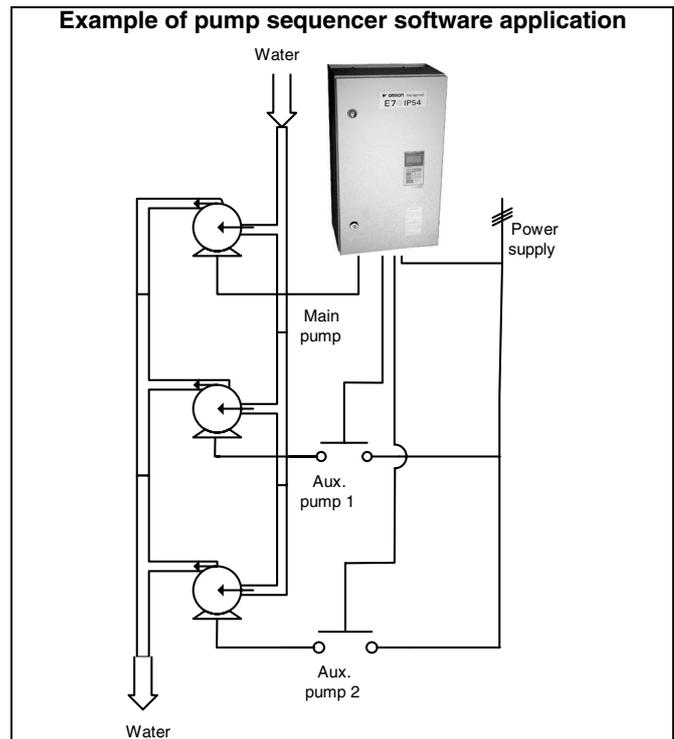
**Point-to-point position control software - S8795**

- Dedicated software for point-to-point position applications.
- Absolute or relative positioning.
- Homing functionality; sensor.
- On the fly position referencing
- 8 position memories with different speed, acceleration or deceleration sets.
- Selectable position reference from digital inputs, analog input or via communications.
- Brake control.
- Emergency stop sequence
- Overtravel limit switches
- Easy to use.
- Compatible inverters: F7 series



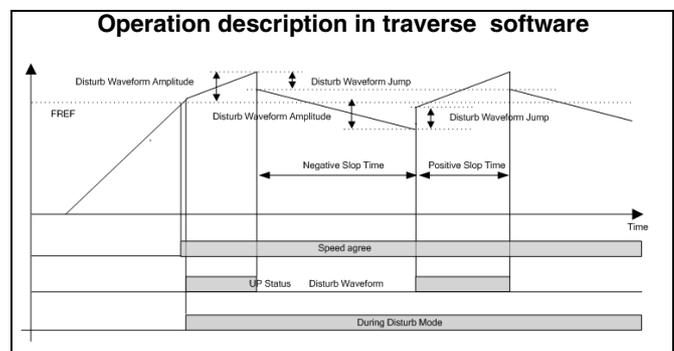
## Pump sequencer software

- Dedicated software for pump sequencer applications.
- Physical units = Kg / L, bar, liter.
- Control mode selection by macro: pressure, flow, temperature,...
- Modulated pump with advanced PID.
- Auxiliary pump control for up to 2 pumps.
- Pressure feedback signal: 0-10 V, 0-20 mA, 4-20 mA or inverter sensor.
- Modulated pump automatic frequency drop & rise.
- Specific faults and alarms: dry run detection, pressure sensor broken...
- Pump working totalisers.
- Automatic / manual emergency mode operation by pump override.
- Test operation.
- Compatible inverters: E7 series



## Traverse software

- Dedicated software for textile wire winding applications.
- Disturbed wave form allows perfect wire positioning during winding process, ensuring perfect and smooth unwinding.
- Amplitude and time periods are fully customizable
- Compatible inverters: V7AZ series.





ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.