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Component Support

- Linear motor families P01-48x150G-HP-M01, P01-48x240F-HP-M01, P01-48x360F-HP-M01 (M\_L\_R295C)
- Linear motor family P01-48x150-HP-SSC (M\_L\_R284C)
- Linear motor family BM01-48x240F-HP (M\_L\_R289C)
- Linear motor family EM01-37Sx60-HP (M\_L\_R304C)
- Linear motor families EM01-48x150G-HP and EM01-48x240F-HP (M\_L\_R213C)
- Linear motor family FM01-48x150G-HP (M\_L\_R333C)
- Linear motor family SM01-48x150G-HP-MS08-SSCP and SM01-48x240F-HP-MS08-SSCP with integrated MagSpring (M\_L\_R339C)
- Long stroke variants SM01-48x150G/675-HP-SSCP, SM01-48x150G/765-HP-SSCP, SM01-48x240F/585-HP-SSCP,

SM01-48x240F/675-HP-SSCP no more supported (M\_L\_R325C)

- Linear module families SM02-37Sx120F-HP-SSCP, SM02-48x150G-HP-SSCP and SM02-48x240F-HP-SSCP (M\_L\_R217C)
- Linear Rotary module family PR02-70x100/48x240F-HP-240 (M\_L\_R323C)

#### New Features

- User oriented coordinate system (UCR) (M\_L\_R312F)
  - -> Positionable motor/module via new "Motor Reference Position"
  - -> Auto-Centering mode: Sets the Motor Reference Position instead of the Curve Start Position (M\_L\_R33F)
  - -> Positioning of MagSprings and mechanical springs at UCR
- New Layout design with additional new features (M\_L\_R212F)
  - -> Including module graphics
  - -> Display of coordinate system and diverse positions and position limits
  - -> Moving part is shown at the start position of the selected curve segment
  - -> Installation space
  - -> Selection of the layout type (e.g. connector/cable type)
- New MagSpring dialog (M\_L\_R347F)
  - -> Support of absolute positioning in UCR and relative positioning to Motor/Module
  - -> Support of Element positioning via selectable reference points of the characteristic force curve
  - -> Visualization of the selected Motor/Module
- Segment "Minimal Jerk" definition: Calculation and display of the jerk value (M\_L\_R297F)
- Motor layout: Display of slider type (Standard, LC, HC) at the front end (M\_L\_R018D)
- FM01-48 modules: Wiper support (M\_L\_R306F)
- Fan cooling: Note "Customer's own adapter for fan mounting required" for some motor/module types, supported (M\_L\_R303F)
- Configurations: "Safety 2S" filter added (M\_L\_R083C)

Bugfixes/Improvements

- PS0x-23S: Stroke range moved by +2.5mm (M\_L\_R267B)
- PS01-23x160H: Layout for cable motor, added (M\_L\_R296B)
- PS01-37Sx60: Wrong direction graphic, fixed (M\_L\_R346B)
- PS01-48x150G-HP: Wrong extended stroke for reversed slider mounting, fixed (M\_L\_R328B)
- EM01-37Sx120: Stroke reduced by 3mm, friction values improved, motor names adjusted (M\_L\_R305B)
- SM01-48x150G/675-HP-SSCP, SM01-48x150G/765-HP-SSCP, SM01-48x240F/585-HP-SSCP, SM01-48x150G/675-HP-SSCP deleted (M L R325C)
- PR01-...-150: MagSpring-Kit with MS01-37x170 instead of MS01-37x155 (M\_L\_R291F)
- PR02- and P04 modules: Small characteristic curve displacement corrections (M\_L\_R349B)
- Global Values/Motor Setup: "Fluid Temperature" instead of "Ambient Temperature" at fluid cooling (M\_L\_R293B)
- Global Values/Segment Results: Correct sign at Stroke und Peak Acceleration values (M\_L\_R320B)
- Global Values/Motor Data: Zero Position value eliminated (M\_L\_R321)
- Configurations: Reduced size of filter entries (M\_L\_R329)
- Configurations: Wrong results at "User Group" filter, fixed (M\_L\_R331B, M\_L\_R327B)
- Configurations: Wrong results at "Heavy Duty" filter, fixed (M\_L\_R332B)
- RotMot/System Information: "Max. Speed"-Calculation incl. mechanical limitation (M\_L\_R290B)
- Wrong rot speed in Global Settings dialog, corrected (M\_L\_R290B)
- Unit for "angular jerk" changed from deg/s3 to kdeg/s3 (M\_L\_R300B)
- Support of program icons in different resolutions (M\_L\_R308D)
- Diverse small changes

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Component Support

- Linear motor familiy P01-48x150-HP-SSC (M\_L\_R284C)

Bugfixes/Improvements

- PR01-MagSpring-Kits with 100N / 120N are calculated incorrectly, fixed (M\_L\_R277B)
- Motor and/or MagSpring stroke ranges shifted for some PR01-70 and PR01-84 modules (M\_L\_R282B)
- SM01-48x240-SSCP: Wrong layout dimension values, fixed (M\_L\_R278B)
- Global Settings: "System Friction" value always displayed (M\_L\_R279B)
- "None (0mmN, 0N)"-MagSpring type eliminated from selection (M\_L\_R280B)
- Global Values: Copy function modified to "Value only", keyboard shortcut support (M\_L\_R283)

- Improvement of thermal time constants for P01-48-SSC motors (M\_L\_R285B)

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#### Component Support

- Linear motor familiy P01-48x360-HP (M\_L\_R206C)
- Linear motor high clearance families P01-48x150G-HP-U, P01-48x240F-HP-U (M\_L\_R215C)
- Linear motor EX-families P01-48x150G-HP-EX-E, P01-48x240F-HP-EX-E, P01-48x240F-HP-EX-E (M\_L\_R181C)
- Linear motor SSCP-families P01-23x80F-SSCP, P01-23x160H-SSCP (M\_L\_R189C)
- Linear motor P10-70-SSC-FC with passive cooling (M\_L\_R221F)
- Linear motors with sliders PL01-12x690/650-HP and PL01-12x690/650-HP-L (M\_L\_R204C)
- Linear module family HM01-48x360-HP (M\_L\_R207C)
- Linear module family FM01-48x360-HP (M\_L\_R208C)
- Linear module DM01-families DM01-23-MSxx, DM01-37-MSxx, DM01-48-MSxx with integrated MagSpring (M\_L\_R193C)
- Linear module SM01-families SM01-37x60-Mxx, SM01-37x120-Mxx with integrated MagSpring (M\_L\_R196C)
- Linear module SM01-families: Additional stroke types added (M\_L\_R223C, M\_L\_R224C)
- MagSpring-Kit selection for PR01 module (M\_L\_R179C)
- Linear rotary module families PR01-L with hole (M\_L\_R150C)
- Linear rotary module familiy PR01-SSCH (M\_L\_R192C)
- Linear rotary module familiy PR02-52-MS5x, added (M\_L\_R268C)
- Linear rotary module family PR02-38-MSxx (M\_L\_R188C)
- Linear rotary module family PR02-70-MSxx (M\_L\_R190C)

## New Features

- New global message display for errors, warnings and notes (always visible) (M\_L\_R186F)
- New notes (blue symbol):
  - -> Note for double MagSpring definition, internal & external (M\_L\_R228F)
  - -> Note, if an integrated MagSpring doesn't compensate gravity due its orientation (M\_L\_R242F)
  - -> Note, if module with integrated MagSpring is used in horizontal mode (M\_L\_R248F)
  - -> Note, if the MagSpring Gravity Compensation mode is not possible (showed in Settings dialog only)
  - -> Note, if a defined MagSpring is disabled (showed in Settings dialog only)
  - -> Note for undefined 2nd Power Dissipation value, PR02 only
  - -> Acceleration warning message changed to a note (M\_L\_R251B)

- Filter "Integrated MagSpring", added (M\_L\_R194F)
- Consideration of the motor friction heat at P10-70 motors in the thermal calculations (M\_L\_R141F)
- Display of the current project type (LIN, ROT) in the program window header (M\_L\_R195F)
- Display of "Fluid temperature" instead of "Ambient temperature" for fluid cooling methods (M\_L\_R032F)

## Bugfixes/Improvements

- Increase of continuous force values for P01-23 motors (M\_L\_R222B)
- P10-54: Improvement of the thermal limits -> increase of the cont. force values (M\_L\_R266B)
- P10-70: Improvement of thermal parameters for "Short Time Overload" calculation (M\_L\_R039B)
- PR01-.../48x..Improvement of thermal parameters of linear part (M\_L\_R265B)
- P01/R01: Max. cable length changed to 50m (M\_L\_R256)
- PR01-84x80-SSC-C/48x240F-C-300 is not a product, removed (M\_L\_R252B)
- PR01-G: "Moving Stator" support disabled (M\_L\_R232B)
- PR02-88: Increase of the system friction values (M\_L\_R255B)
- P01-SSCP: Wrong wiper options and default settings, fixed (M\_L\_R243B)
- SM01-37x60/680-HP-SSCP, removed
- High Clearance motors P01-48-U-SSCP not for stand alone use, removed (M\_L\_R216B)
- Linear module families SM01-48-SSCP: Change from HP (PL01-28-HP) to HP/HiClear (PL01-27) type (M\_L\_R216B)
- SM01-48: Incomplete module names, winding type letter (G,F) added (M\_L\_R250B)
- SM01 modules: No "Moving Stator" support, option disabled (M\_L\_R249B)
- Configurations tab: Missing update of the filter after changes in the Settings Dialoge, fixed (M\_L\_R240B)
- Configurations tab: Stroke filter results for all MagSpring variants (M\_L\_R229B)
- Configurations "Stroke" filter: Results do not contain separate entries per MagSpring type, fixed (M\_L\_R229B)
- Settings dialog: Wrong mass values for modules in ROT projects, fixed (M\_L\_R241B)
- No motor bearing friction for "High Clearance" motors (M\_L\_R219B)
- BM-Module: Reduction of the friction values (M\_L\_R219B)
- FM01-37Sx60: Max. stroke limitation too low, fixed (M\_L\_R269B)
- PR01: Wrong hint description for Cooling Method "Passive @ Mounting Flange/Plate", fixed (M\_L\_R261B)
- Wrong stator length of P01-48-PB25-SSC, fixed (M\_L\_R200B)
- Motor Selection: Error during motor change, if the cooling method cannot be adopted (M\_L\_R205B)
- Wrong direction graphics in Load Tab for DM01-37, DM01-48 and SM01 families, corrected (M\_L\_R233B)
- Note: Due to calculation reasons, the positive direction for some modules in LD is reversed compared to LinMot-Talk. The directions are planned to be sychnronized in the next version.
- Global Values: Display error when changing window size, fixed (M\_L\_R234B)
- Stator-, Slider and Guide value: "N/A" replaced by "Integrated" (M\_L\_R254)
- Error at project change LIN -> ROT, fixed (M\_L\_R271B)

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#### Component Support

- Linear Motor families P01-37Sx60-SSCP and P01-37Sx120F-SSCP (M\_L\_R153C)
- Linear Motor families P01-48x150G-SSCP and P01-48x240F-SSCP (M\_L\_R173C)
- Linear Module families SM01-37Sx60-SSCP and SM01-37Sx120F-SSCP (M\_L\_R172C)
- Linear Module families SM01-48x150G-SSCP and SM01-48x240F-SSCP (M\_L\_R174C)
- Linear Rotary Motor families PR02-52 and PR02-88 (M\_L\_R127F)
- MagSpring families M01-20, M01-37 and M01-37-SSC (M\_L\_R096F)
- Rotary project: Support of Linear Rotary Motors (except gear types) and discontinuation of RS01 motors (M L R121C)
- Drive discontinuation: B1100/E1100, B1100/E1100-HC and B1100/E1100-XC (M\_L\_R159C)

#### New Features

- MagSpring support, stand-alone and integrated (PR02) (M\_L\_R096F)
- Support of curve names and comments (M\_L\_R165F)
- Support of single sided mechanical springs in curve segments (M\_L\_R166F)
- Support of additional cooling variants, incl. hints (M\_L\_R078F, M\_L\_R170)
- Load mass defnition: "Add Flange Masse" option at "Moving Stator" mode (M\_L\_R037F)
- Handling of discontinued components in saved projects (M\_L\_R019F)
- Direction graphics for motors/modules in Global Settings dialog (M\_L\_R175F)
- Report/1st page: Two column layout incl. direction graphic (M\_L\_R175F)
- Configuration filter for "Winding Type", added (M\_L\_R152F)
- Support of acceleration limit incl. warning (M\_L\_R161F)
- Motor Selection Dialog: Reset to default values won't be suggested, if just the type (in general the stroke) of a motor will be changed (M\_L\_R155B)
- Additional "English Units" for rotary projects (M\_L\_R180F)

### Bugfixes/Improvements

- Motor/Module support for drive "A1100" same as "C11x0-XC / C1250-XC" (M\_L\_R158B)
- Improved moving mass values of DM01 modules (M\_L\_R160B, M\_L\_R162B, M\_L\_R171B)
- Improvement of diverse module friction parameters (M\_L\_R154B)
- Improvement of diverse thermal parameters/limits
- Double column printlayout with added motor/module image
- Redefinition of warnflags: A <-> Acceleration, Ar <-> Accereration Reserve

- Update of company contact information (M\_L\_R163B)
- Separator problems in connection with operating system settings, solved (M\_L\_R134B)
- Diverse minor bugfixes and improvements (M\_L\_R168B, M\_L\_R169B, M\_L\_R177F)

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New Features

- Motor Selection Dialog: Winding type selection, added (M\_L\_R140F)
- Indication of wiper support and predefinition of default type (M\_L\_R147F)
- Indication of moving part support and predefinition of default type (M\_L\_R149F)

New Components

- Support of P01-48x150G-HP and P01-48x240F-HP motors (M\_L\_R120C)
- Support of P01-48x210 and P01-48x210E motors (M\_L\_R136C)
- Support of DM01-23x80F-HP, DM01-37x120F-HP, DM01-48x150G-HP and DM01-48x240F-HP modules (M\_L\_R142C)
- Support of HM01-48x240F-HP and FM01-48x240F-HP modules (M\_L\_R145F)
- Support of FM01-48x240F/200 module (M\_L\_R146C)

Bugfix

- Wrong power dissipation value for modules HM01-37x120F-HP-SSC, fixed (M\_L\_R144B)
- Standard-/Extended-Stroke-Filter: Missing winding type differentiation, fixed (M\_L\_R137B)
- P10-70-SSC-FC (M\_L\_R141F)
  - Flange cooling support disabled (-> fluid cooling only)
  - Improved bearing friction values
- HM10-70: Improved bearing friction values (M\_L\_R151B)

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New Features

- New filter group "Application Requirements" (M\_L\_R105F)
  - -> Standard Stroke, Extended Stroke, Motor Speed, Motor Acceleration

-> Controlled by current kinematic max. values

- New filter types: "Hollow Slider", "Heavy-Duty", "User Group", added (M\_L\_R104, M\_L\_R119F)
- Filter configuration is saved with the project in the ldc file (M\_L\_R074F)
- New curve type "Speed Change Linear" (M\_L\_R011F)
- New warnings in connection with segment transitions (M\_L\_R132F)
  - -> "Speed Jump" if v\_SegEnd <> v\_SegStart
  - -> "End Position" if s\_SegEndLast <> s\_SegStartFirst
- Support of mech. rotational speed limit incl. "Limits S/V"-tab and Warning (M\_L\_R044F)
- Support of a weblink to simplify the generation of the bill of material (BOM) in the e-Catalogue (M\_L\_R099F)
- Configurable energy cost parameters in "Measurement Settings" (M\_L\_R058F)
- New function "Check for update" (M\_L\_R108F)
- New End User License Agreement "EULA" (M\_L\_R128F)

New Components

- Support of PS10-70-SSC motors (M\_L\_R130C)
- Support of hollow slider motors (M\_L\_R104)
- Slider PL01-20x1100/1040-HP for P01-37-HP motor types, added (M\_L\_R125C)
- Support of EM01-37Sx120 modules (M\_L\_R107C)
- Support of PR01-70 motors (M\_L\_R102C)
- Support of fan cooling for PR01 motors (M\_L\_R048F)

## Bugfix

- C1400: Support of regeneration resistor, fixed (M\_L\_R116B)
- Wrong cont. force values for PR01-84x80/48x240-Gxx / PR01-84x80/48x360-Gxx motors, fixed (M\_L\_R103B)
- Wrong slider definition and wrong max strokes at BM01-37-HP modules, fixed (M\_L\_R095B, M\_L\_R109B)
- PR01-84x80-C/48x...F-C-100, max stroke 130mm instead of 100mm, fixed (M\_L\_R123B)
- BM01-37x240F: Wrong slider type definition, fixed (M\_L\_R124B)
- Missing parameter "External Capacitance" under Global Values, fixed (M\_L\_R110B)
- Custom Drive: "Default Supply" was not saved with the project, fixed (M\_L\_R087B)
- Configuration filter: Yes/No entries swapped (M\_L\_R131B)
- Contact information updated (M\_L\_R115B)

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- New slider support PL01-20x200/140-HP for PS10-37x120-HP motors (M\_L\_R093F)

-	Rotary motor mass not displayed, fixed Cable "KPS07" type, added Missing import name conversion for SSC motors, fixed
	Wrong stator type R10-84x80, fixed
	PD03 motor with wrong drive/cable selection, fixed
	supply capacitance into account in the total dc link capacitance
_	New Checkbox "Add typical supply capacitance" for taking the
=:	LinMot-Designer 1.9.1 / Datafile Version 31
=:	
-	Motor selection dialog with additional configuration reset information/options (M_L_R101F)
	Custom drive definition: max/min dc link voltage and internal capacitance, added (M_L_R086F)
_	When changing a motor type, also the default-cooling type is changed (M_L_R081B)
	Braking method: listed under global values
	=> E11x0-XC / B1100-XC & C11x0-XC / C1250-XC When opening an old configuration you are asked for the replacement type
	E11x0-XC / B1100-XC / C11x0-XC / C1250-XC
	=> E11x0 / B1100 & A1100
	Drive-Splitting: E11x0 / B1100 / A1100
	Brake method "Motor winding" supported (M_L_R082F)
	PD03 with wrong simulation results, temporarily no more supported (M_L_R094F)
	Exteral capacitance definition support depending of selected drive (M_L_R091B)
	BM01 modules not defined as "High Clearance" type, fixed (M_L_R064B)
	HM10 modules with wrong mass definitions, fixed (M_L_R067B) PR01Gxx modules with wrong strokes, fixed (M_L_R063B)
	HM01-SSC modules defined as "ATEX" type, fixed (M_L_R072B)
	HM01-SSC modules with wrong stroke definitions, fixed (M_L_R069B)
	Module listing bug in "Motor Selection" dialog, fixed (M_L_R062B)

DC-Link calculation

- Calculation of the dc link voltage reduction depending of the power supply, the dc link capacitance and the motor power and consideration of the voltage reduction in the force limit
- New "Supply" tab with time diagrams
- Calculation of the dc link voltage depending on the regenerated power and the dc link capacitance. Calculation of mean power and energy pulses for braking resistors (characteristic resistor values).
- New "Regeneration" tab with time diagrams
- Regeneration warning based on existing energy pulses for a braking resistor.
- Support of an external dc link capacitance and the existence of a braking resistor

Modules (guided motors)

- Support of guided motors
  - HM-Modules (Motors with H-Guide)
  - BM-Modules (Motors with B-Guide)
  - FM-Modules (Motors with F-Guide)
  - P04-Motors (Motors with guided Rod)
  - PR01-Motors (Linear part of LinearRotary motors)
     P04- & PR01-types: The direction of the motor stroke (Designer) is inverse to the stroke of the P04-/PR01 rod (min motor position = max rod position and vice versa)

Motor configuration selection and new filter concept

- Support of motor base configurations as combination of "Motor Type", "Moving Part" (slider or stator), "Cooling Type" (flange, fan, water), "Drive Type" and "Supply Type"
- List of all available base motor configurations with structured View, sorting and selection functionality
- Filter functionality for filtering the motor configurations list with a variety of filter criteria.
- Grouped filter criteria
- Default active filter group: "Typical System configurations"

Custom drive & supplies

- Separate definition in a new tab in the "Global Settings" dialog
- Usage as predefined components

- Optional support in the motor configuration list (selection and filter)

Various

- New Parameter "Moving Part" in the motor configuration and elimination of the additional mass-type (Load tab) and the Layout parameter and tha Layout tab
- Support of predefined Motor/Module friction types (incl./excl. wipers)
- P01-37x120F-HP-SSC motors: Too low definition of power dissipation / rms force, fixed
- Wrong slider definition PL01-19x900/820, fixed
- Support of PD03-motors (including the integrated drive I11x0-XC)
- Support of typical motor/module friction values
- Diverse improvements

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- Support of P10-54-Motors
- Support of EC02-Motors
- Support of new standard sliders PL01-12-LC and PL01-20-LC (Replacement of PL01-12 and PL01-20 standard types)
- Wrong P10-37x120F-C-types in motor list, fixed
- SSC-Motors without discrete bearings at both ends
- (e.g. P01-37x120F/80x160-HP-SSC) aren't supported anymore
- Modified names of SSC-Motors with standard bearings at both ends: "Bx" -> "PB" (e.g. P01-37x120F-Bx24/80x160-HP-SSC => P01-37x120F-PB24/80x160-HP-SSC)

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- Support of C11x0 and C12x0 drives
- Support of Custom drive with editable parameters
- Support of different maximum motor currents depending on whether the drive supports a model based temperature monitoring (Custom drive, P10-70 motors)
- Real time calculation of the curve parameters in the edit segment dialog
- Wrong max. temp of P01-23Sx80F-HP motors, fixed
- Separate "New File"-Icons for linear and rotary project
- Selectable currency (€ or \$) for the energy cost calculation (Efficiency tab)

- Version specific user data path of the LinMot-Designer
- Increased number of segment supporting points for improved calculation results
- Missing spring parameters in "Edit Segment" dialog, fixed

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- Support of rotative motor design (R01-52x40, R01-52x60, R01-84x80)
- Support of P01-48x360-SSC-Motors
- Support of P01-37Sx60-U and P01-37Sx120F-U motors (high clearance types)
- New "Efficiency"-Tab that shows the required electical power, the yearly
electricity consumption, the yearly energy costs and the yearly CO2 emission
for the selected linear motor system and also for pneumatic cylinders with
different piston diameters, in case that the application is driven by
air pressure (activation/deactivation via leaf icon)
- Improvement of the short time temperatur model calculation
- Addidional current and voltage information at drive selection list
- Warning is generated, if the max. current of the selected drive is smaller
then max. current of the motor
- Wrong calculation of the motor max. speed for more than one motor, fixed
- Calculaton error in connection with P01-23x160 motors and small supply voltages
- Renaming of "Servo Controller" to "Servo Drive"

- Renaming of "Velocity" to "Speed"
- Indication of current peak values by the use of the unit "Apk" instead of "A"

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- Support of P10-70x400U motors
- Support of fluid cooling for P10-70 motors
- Support of short stroke P0x-23...-HP motors:
  - P01-23x80F/0x60-HP
  - P01-23x80F/20x80-HP
  - P02-23Sx80F/0x60-HP
  - P02-23Sx80F/20x80-HP

- Support of P01-37Sx120F and P01-37Sx60 motors
- Copy/Paste functionality for curve segments
- Dry Friction is also considered for v=0 (except for the curve type "Standstill") => elimination of force spikes at the beginning of curve segments
- Reduction of supported slider length for "High Clearance" motors: P01-37 (d\_Slid=19mm): Max. length = 800mm
   P01-48 (d\_Slid=27mm): Max. length = 1000mm
- Reduction of supported slider length for "SSC" motors: P01-37-SSC (d\_Slid=19mm): Max. length = 1000mm P01-48-SSC (d\_Slid=27mm): Max. length = 1400mm
- "Max. RMS (stall) Force" value for P10-70 motors too high, fixed
- Wrong motor types: P01-23x80F/30x90-HP & P02-23Sx80F/30x90-HP, eliminated
- Error message "Invalid class typecast" at program startup for certain Windows-Format settings (e.g. Finnish), fixed
- Combobox update problem in Windows 7, fixed
- Sort bug in Motor Selection dialog, fixed
- Wrong bearing identifier in SSC motor names, "-L25", changed to "-Bx25" / "-Bx24"
- Added winding type letter "U" in P10-70 motor names
- Wrong connector type letter for P01-37x120F-HP-SSC motors (-R instead of -C), fixed)
- Several adjustments of simulation parameters

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- Support of P02-23Sx80 motors (replacement type for P01-23Sx80)
- Support of P02-23Sx80F-HP motors
- Support of P01-37x120F-HP-SSC motors
- Support of P10-70 motors / E1400 controllers
- Support of different supply types (DC link, AC 3Ph)
- Support of Bestehorn curve
- Support of new motornames P??-AAxBBB/CC for motors P??-AAxBBB/CCxDD with CC=DD (concerns motors without reduced force range as P01-23x160?/70x70, P01-37x240?/100x100, SSC types with bearing (-L25) and P10-70 motors)
- Support of 3 phase motors (P10-70 types)
- Consideration of iron losses
- No consideration of cable losses in Supply/Regeneration power, fixed

Printed configuration includes file path, fixed
 P01-48x360-SSC motors aren't supported anymore

LinMot-Designer 1.6.0 / Datafile Version 24			
- Max. Current of P01-48x360F-SSC motors too high, fixed			
LinMot-Designer 1.6.0 / Datafile Version 23			
<ul> <li>Support of stainless steel motors P01-48x240F-SSC and P01-48x360F-SSC</li> <li>Support of fluid cooled motors P01-48x240F-SSC-FC and P01-48x360F-SSC-FC</li> <li>Support of the high clearance/high performance motors P01-37x120F/U-HP</li> <li>Support of single sided mechanical springs</li> <li>Motor Selection dialog: "RMS-Force" and "Slider length" added</li> <li>Motor Selection dialog: new grouping of the motor families, fixed</li> <li>Cable data on printed report, added</li> <li>Global Settings dialog: "Max. RMS Force" and "Max. Elec. Power" added</li> <li>Global Settings dialog: Increasing of the servo controller max. voltage, fixed</li> <li>power loss calculation, improved</li> <li>ReleaseInfo button in the "About" dialog, added</li> <li>Tutorial-Button, added</li> </ul>			
LinMot-Designer 1.5.1 / Datafile Version 22			
- Support of P01-23x80F-HP motors - Wrong thermal limit of P01-23x160H-HP motors, fixed			
LinMot-Designer 1.5.1 / Datafile Version 21			
<ul> <li>Support of P01-48x360F motors</li> <li>Support of E12x0-UC controllers</li> <li>Missing P01-37x120F/160x240-HP motor, fixed</li> </ul>			

# LinMot-Designer 1.5.0 / Datafile Version 20

- Wrong compatibility check result in connection with selected P01-37 motors and E100/E1000 controllers, fixed
- Incorrect "Best for ..." filter results for P01-23 motors at "Motor Selection" dialog, fixed
- Contact-Information updated

LinMot-Designer 1.5.0 / Datafile Version 19

- Support of P01-23x160H-HP motors
- Increasing max. current of E1100 controller from 4A to 8A
- Support of multiple user group spezific dat-files
   In addition to the default dat-file (Default.dat) all other existing user
   group specific datfiles of the form "UserGroupName.dat" are loaded at program
   start.
- New parameter "Product Status": is added to motors and controllers and has one of these values: [not yet available, prototype, preliminary, new product, standard, old product, discontinued, no more available]
- New parameter "UserGroup": is added to motors and controllers and defined by the source file (containing dat-file)
- Compatibility check: Checks, wether the selected motor is supportet by the selected controller
- Global warning for compatibility check
- New structure for motor selection: Motor list with sort functionality and configuable filters (incl. intelligent "Best for..." stroke filter)
- Problems (Warnings / Errors) in the "Global Settings"- and the "Edit Segment"-Dialog are showed in a separate window.
- "Copy" function added at parameter list
- Warnings in the segemnt list are indicated by warn signs
- MPC curves are no more supported