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Standard Technical data FR300 Series

2x AGM Batteries	12V – 100Ah. Serial connected, sealed, maintenance free
Integrated high frequency battery charger	LED-controlled, with Type F external plug.
Charging power supply	85-265V – 1Ph+N+PE – 50/60Hz
Max. Capacity, full batteries	200 – 300 pallets (lxbxh) 800x1.200x1.500 mm. (2 x 3 x 4 ft) Note: depending on the nr. of wraps applied.
Pallet dimensions (l x w)	Min. 600 x 400 mm. (11.6 x 3.7") Configurable on OP
Driving speed	Adjustable up to 90 m/min (295ft/min.) Inverter controlled
Working conditions	5 to 45°C (41 to 113°F)
Standard Film Carriage CA2	Mechanical Brake on return roller, manual operation. Handles film roll: Max. 20Kg. (44lbs) - Width 500mm (19.7") - Core Ø76 mm (3"). Dia. outside Ø250mm. (9.8")
Film Carriage speed (up & down)	1,3 to 5,4 m/min. (4 to 17 ft/min.) Independent of each other. Inverter controlled.
Standard mast height	Wrapping height (Pallet included) 2.150 mm (7 ft) – top of film roll
Dimension, excl. mast, incl. safety bumper	(l x w) 1.765 x 1.165 mm. (5 x 3Ft)
Weight, Depending on composition	
Operation safety signals	Red motion flashing light. Beeper at start & stop/cycle end
Works with stretch film thicknesses	10 – 35 micron

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Parameters to be managed from the 11" Operating Panel (OP)

6 (OP1) or 99 (OP2) wrapping programs created by the operator

All function parameters settable on display

Driving speed

Film carriage speed, upwards and downwards

Bottom wrapping cycles, from 1 to 10

Top wrapping cycles, from 1 to 10

Mid-cycle reinforcement wraps

Pallet height detection, photocell delay

Setting Film tension at 4 steps, during the wrapping cycle (CA4, CA6 & CA7)

Variable pre-stretch, at each stage of the wrapping cycle (optional CA7)

Wrapping cycle for large pallets

Basic cycles, selectable from Operating Panel (OP)**Function** **Cycle**

F01-01 Standard cycle (Upwards/Downwards movement)

F01-02 Single cycle (Only upwards or downwards movement)

F01-03 Full cycle with bottom wraps at the same starting height

F01-04 Fast cycle (with limited or no overlap)

F01-05 Layer cycle

F01-06 Economical wrapping program (to save some wraps)

Actionable Functions from Operating Panel (OP)

Keypad lock

Cycle with start and stop at pre-programmed height

Wrapping cycle with altimeter (Photocell Off)

Top Sheet cycle

Soft start cycle

Wrapping cycle with reinforcement and settable number of wraps

Comfort height for easy coil change

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Chart of available optional masts

Item code	Max. height, top of the film roll
00754	2.400 mm. (7 ft)
00755	2.700 mm. (8 ft)
00758	3.000 mm. (9 ft)
00765	3.500 mm. (11 ft)

Chart of available optional Film Carriages

Item code	Model	
00800	CA4	Magnetic brake on return roll. Adjustable from OP
00803	CA6-E	Fixed Pre-stretch 200% Tension adjustment from OP Easy & Fast film loading system, with safety cover Film roll Ø300mm. (11.8") – Core Ø76mm. (3") – Film width 500mm. (19.7") – Max. 20Kg. (44lbs)
00805	CA6	Power Roller Pre-stretch, with gear wheels Pre-stretch Gear set 200% installed Included in delivery, gear sets for 150 & 250% Tension adjustment from OP Easy & Fast film loading system with safety cover Film roll Ø300mm. (11.8") – Core Ø76mm. (3") – Film width 500mm. (19.7") – Max. 20Kg. (44lbs)
00810	CA7	Power Pre-stretch 1 motor, with continuous variation Electronically controlled from OP, pre-stretch ratio 120 – 350% Tension adjustment from OP Easy & Fast film loading system with safety cover Film roll Ø300mm. (11.8") – Core Ø76mm. (3") – Film width 500mm. (19.7") – Max. 20Kg. (44lbs)

Chart of available options for Film Carriages CA2, CA4, CA6 & CA7

Item code	Model
00816	CA4 carriage for 750mm. (29.5") wide film roll. (Max. 20Kg. / 44lbs)
00818	CA4 carriage for 1.000mm. (39") wide film roll. (Max. 20Kg. / 44lbs)
00838	CA4 carriage double coil dispenser
00839	CA2 carriage double coil dispenser
00843	Additional coreless film coil holder Ø50mm. (2")
00844	Additional coil holder set for film roll with cardboard core Ø50mm. (2")
00848	Extra coil holder kit for Net-wrapping (CA2/CA4)
00870	Manual Roping system for wrapping reinforcement
00878	Automatic Film Cutting device, at end of each wrapping cycle. (CA4, CA6 & CA7)
50020	Photocell for sensing pallet with Black film
50360	Photocell (Laser) for sensing pallet with "transparencies"

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Chart of available options for Film Carriage CA6-E

Item code	Model
00820	Gear set 150% pre-stretch
00827	Gear set 250% pre stretch
00823	Gear set 300% pre stretch

Chart of available options for Film Carriages CA6 & CA7

Item code	Model
00829	CA6, Gear set 300%
00830	CA6 Gear set 270%
00840	CA6 Double coil dispenser
00841	CA7 Double coil dispenser
00871	Automatic Roping system for wrapping reinforcement
00880	Automatic film cutting system, 3 strokes
00881	Automatic film cutting system, 4 strokes
00882	Automatic film cutting system, 5 strokes

Options, Electronics

Item code	Description
80104	Low Temperature machine version -5° (only with push buttons)
80115	Machine without batteries
80120	Traction battery 1 x 24V
80131	Lithium batteries 2 x 12V
80150	Kit External charger 220V Incl. 2 Batteries 12V
80152	Extra batteries 12 V - 120 Ah, with storage and external battery charger
80125	Traction battery / Central filling system
20001	GMK Geo Magnetic Compass position

Options, Programs

Item code	Description
90010	Stretch film weight consumption measuring
90015	Cycle counter

Options, Wheels

Item code	Description
00150	Wheels vulcanized rubber / NON Marking
00205	Guiding unit with Ø390 mm. (15.4") wheel
00209	Guiding unit with Ø600 mm. (23.6") wheel
00200	Guiding unit / Double wheel Ø300 mm. (11.8")
00201	Guiding unit / Double wheel Ø390 mm. (15.4")

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00212	Guiding unit / Double wheel Ø600 mm. (23.6")
00203	Guiding unit with Ø300 mm. (11.8") wheel

Some eye catching features of the FR300 Series

- Ergonomic design and easy to operate by multiple operators
- By using well-known quality brand parts, our wrapping machines offer flexible and secure availability of parts in addition to a high degree of reliability.
- Choice of two 11" Operating Panels (OP) with multiple programming options – for every task a program
- The FR300 series offers you a choice of 5 different film carriages. From a simple mechanical brake to 350% Power Pre-stretch
- Upgrading the film carriage for even better or more economical wrapping results, is simple. The FR300 Series is already prepared for this.
- The CF film carriages allow you to adjust film tension or pre-stretch to your needs at any time during wrapping.
- The choice of 5 mast heights allows you to wrap your pallets almost from the ground up to 3.5 meters (11 ft) high in a stable manner in various ways.
- The FR300 Series is self-propelled but can also be easily moved using a forklift truck.
- The Geo Compass option makes it possible to stop exactly at the starting position. Particularly practical when wrapping oversized loads
- Various film cutting options not only make it possible to cut the film at the end of each wrapping cycle, but also to cut film strips for "open wrapping"
- The durable polycarbonate safety bumper offers you and your employees the necessary safety under the most extreme conditions.
- Wide choice of maintenance-free batteries and charging options to always be ready for the next wrapping job.
- The choice of several follower wheel packages allows you to wrap a wide variety of loads.
- The FR300 Series also offers you the option to measure your film consumption per pallet.

Contact your FROMM representative for more information about these and other FROMM products.