

TechniGraph

S.A.R.L au capital de 8000 €
RCS 492 833 256 Nanterre
N° T.V.A : FR 75 492 833 256 00018

TechniGraph
11, avenue Marc Sangnier
92398 Villeneuve La Garenne Cedex
France

Frédéric THEAULT
Téléphone : +33 (0) 6 86 97 32 69
frederic.theault@orange.fr

RAMA presents
its portfolio of carts
for reel-handling at machine side.

Manual, electric and electronic
models with customizable
versions to fulfill customer needs.



RAMA presenta
la sua gamma di carrelli
per movimentazione
delle bobine bordo macchina.

Modelli manuali,
elettrici ed elettronici
con versioni personalizzate
per ogni esigenza.

type M 10 E
electronic/manual solution

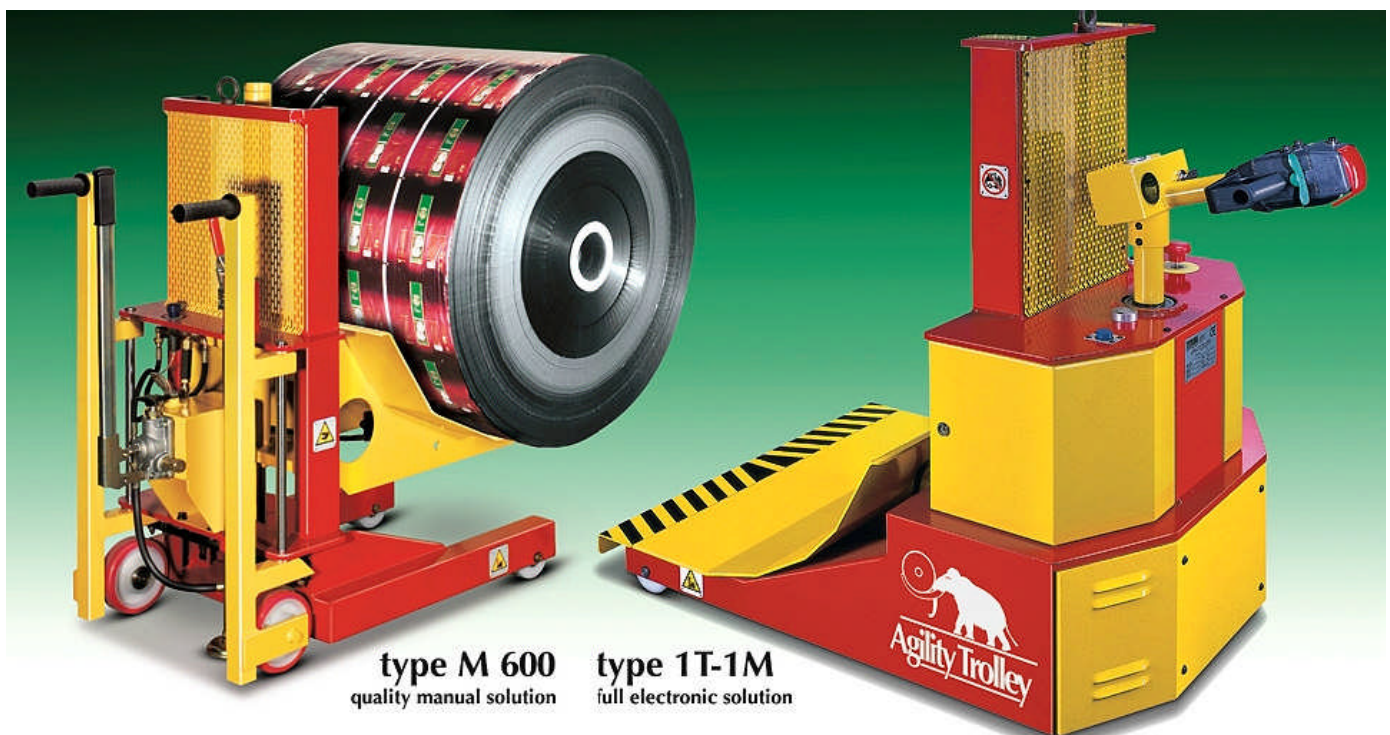
type M 6 EC
entrylevel manual solution

RAMA



TechniGraph

Frédéric THEAULT
Téléphone : +33 (0) 6 86 97 32 69
frederic.theault@orange.fr



type M 600
quality manual solution

type 1T-1M
full electronic solution





INDICE

REEL-LIFTING TROLLEYS PRESENTATION	3
MANUAL REEL-LIFTING TROLLEY MOD. M-6 / EC.....	4
MANUAL REEL-LIFTING TROLLEY MOD. M-6 (600kg).....	5
MANUAL-REEL-LIFTING TROLLEY MOD. M-6 (1000kg).....	6
REEL-LIFTING TROLLEY WITH MANUAL TRAVERSE AND ELECTRIC LIFTING DEVICE MOD. M 10 E..	7
ELECTRONIC REEL-LIFTING TROLLEY MOD. 1T-1M.....	8
ELECTRONIC REEL-LIFTING TROLLEY MOD. 1T-1M (1200kg)	9
ELECTRONIC REEL-LIFTING TROLLEY MOD. 1T-1M (1500kg)	10
ELECTRONIC REEL-LIFTING TROLLEY MOD. 1T-1M (side shifting)	11



REEL-LIFTING TROLLEYS PRESENTATION

MOD. M-6/EC

WITH HANDLING BY MANUAL PUSHING. LIFTING BY MEANS OF HYDRAULIC PUMP WITH MANUALLY OPERATED LEVER.

FIXED FRONT WHEELS AND REAR CASTORS WITH PARKING BRAKE. TIP OF REEL-HOLDER BASE RAISED AND FIXED TO PREVENT THE REEL FROM FALLING OFF, AND FITTED WITH SELF-LOCKING SYSTEM TO FACILITATE THE LOADING AND UNLOADING OF REELS ON AND OFF EUROPALLETS.

MAX. CARRYING CAPACITY 500KG /MAX. REEL DIAM. 800MM /MAX. LIFTING HEIGHT 780MM (FROM FLOOR)

MOD. M-6

WITH HANDLING BY MANUAL PUSHING USING A FULLY DIRECTIONAL HANDLE. LIFTING BY MEANS OF HYDRAULIC PUMP WITH MANUALLY OPERATED LEVER. FIXED FRONT WHEELS AND REAR LARGE-DIAMETER NYLON WHEELS TO FACILITATE SMOOTH RUNNING. LEVER OPERATED PARKING BRAKE. TIP OF REEL-HOLDER BASE CAN BE RAISED AUTOMATICALLY WHEN LIFTING TO PREVENT THE REEL FROM FALLING OFF, AND LOWERED WITH PUSH-BUTTON TO FACILITATE UNLOADING.

MAX. CARRYING CAPACITY 600 KG / MAX. REEL DIAM. 850 MM /MAX. LIFTING HEIGHT 780 MM (FROM FLOOR)

MOD. M 10 E

WITH MANUAL HANDLING FUNCTION. ELECTRICAL LIFTING THANKS TO PUSH-BUTTONS THAT CONTROL A HYDRAULIC MOTOR PUMP SUPPLIED BY A 12 VOLT BATTERY.

220 /12 V BATTERY CHARGER INCORPORATED.

FIXED FRONT WHEELS AND BACK WHEELS IN NYLON WITH WIDE DIAMETER IN ORDER TO ENSURE SMOOTH RUNNING.

LEVER-OPERATED PARKING BRAKE. TIP OF THE REEL-CARRYING BASE CAN BE RAISED AUTOMATICALLY DURING LIFTING IN ORDER TO PREVENT THE REEL FROM FALLING AND LOWERING IS EFFECTED BY PRESSING A PUSH BUTTON TO FACILITATE DISCHARGING.

STANDARD FEATURES: CAPACITY 1000 Kg./REEL DIAMETER 1000 mm/LIFTING HEIGHT 800 mm.

MOD. 1T-1M

WITH ELECTRIC HANDLING AND LIFTING FUNCTIONS THANKS TO A CONTROL HEAD AND ELECTRONIC DRIVE THAT

CONTROLS A MOTOR-WHEEL AND A 24 VOLT HYDRAULIC MOTOR PUMP SUPPLIED BY TWO 12 VOLT BATTERIES.

220 /24 V BATTERY CHARGER INCORPORATED.

NOISE FILTER. SPEED REDUCING MICRO DURING OPERATING PHASE. VERY STABLE AND COMPACT. TIP OF THE REELCARRYING BASE CAN BE RAISED AUTOMATICALLY DURING LIFTING IN ORDER TO PREVENT THE REEL FROM FALLING AND LOWERING IS EFFECTED BY PRESSING A PUSH BUTTON TO FACILITATE DISCHARGING.

STANDARD FEATURES: CAPACITY 1000 Kg./REEL DIAMETER 1000 mm/LIFTING HEIGHT 980 mm.

ALL THE MODELS USE HYDRAULIC CYLINDERS WITHOUT CHAIN TRANSMISSION TO ENABLE OPERATION AT LOW PRESSURE THEREBY ENSURING BETTER PERFORMANCE AND LONGER LIFE OF THE HYDRAULIC SYSTEM.

THE ABOVE FEATURES REFER TO STANDARD MODELS, RAMA IS OPEN TO EVALUATE ENQUIRIES FOR CUSTOMIZATIONS/MODIFICATIONS OF THE TROLLEYS



MANUAL REEL-LIFTING TROLLEY MOD. M-6 / EC



TECHNICAL DATA

TROLLEY SPECIFICATIONS

Trolley length	980 mm
Trolley height	1055 mm
Trolley height with cylinder at end of stroke	1550 mm
Trolley width	550 mm
Dead weight	123 kg
Max. width of reel	1400 mm
Max. diameter of reel	800 mm
Max. weight of reel	500 kg
Max. elevation of platform	780 mm
Minimum turning radius	800 mm

Mentioned Data are for the standard model and may be changed by the manufacturer, without notice.



MANUAL REEL-LIFTING TROLLEY MOD. M-6 (600kg)



TECHNICAL DATA

TROLLEY SPECIFICATIONS

Trolley length	980 mm
Trolley height	1055 mm
Trolley height with cylinder at end of stroke	1550 mm
Trolley width	600 mm
Dead weight	150 kg
Max. width of reel	1400 mm
Max. diameter of reel	850 mm
Max. weight of reel	600 kg
Max. elevation of platform	780 mm
Minimum turning radius	800 mm

Mentioned Data are for the standard model and may be changed by the manufacturer, without notice.



MANUAL-REEL-LIFTING TROLLEY MOD. M-6 (1000kg)



TECHNICAL DATA

TROLLEY SPECIFICATIONS

Trolley length	1200 mm
Trolley height	1310 mm
Trolley height with cylinder at end of stroke	1970 mm
Trolley width	850 mm
Dead weight	228 kg
Max. width of reel	1400 mm
Max. diameter of reel	1000 mm
Max. weight of reel	1000 kg
Max. elevation of platform	980 mm
Minimum turning radius	1150 mm

Mentioned Data are for the standard model and may be changed by the manufacturer, without notice.



REEL-LIFTING TROLLEY WITH MANUAL TRAVERSE AND ELECTRIC LIFTING DEVICE MOD. M 10 E



TECHNICAL DATA

TROLLEY SPECIFICATIONS

Trolley length	1300 mm
Trolley height	1115 mm
Trolley width	800 mm
Dead weight without battery	203 kg
Dead weight with battery	230 kg
Max. width of reel	1400 mm
Max. diameter of reel	1000 mm
Max. weight of reel	1000 kg
Max. elevation of platform	800 mm
Minimum turning radius	1300 mm
Batteries n° 1	12 V, 95 Ah
Battery charging	220/12 V Hz 50
Hydraulic motor pump	12 V, 230 A

Mentioned Data are for the standard model and may be changed by the manufacturer, without notice.



ELECTRONIC REEL-LIFTING TROLLEY MOD. 1T-1M



TECHNICAL DATA

TROLLEY SPECIFICATIONS

Trolley length	1200 mm
Trolley height	1260 mm
Trolley width	800 mm
Dead weight without battery	296 kg
Dead weight with battery	350 kg
Max. width of reel	1500 mm
Max. diameter of reel	1000 mm
Max. weight of reel	1000 kg
Max. elevation of platform	980 mm
Minimum turning radius	1100 mm
Batteries n° 2	12 V, 95 Ah
Battery charging	220 / 24 V Hz 50
Drive motor	24 V, 1200 W
Hydraulic motor pump	24 V, 140 A

Mentioned Data are for the standard model and may be changed by the manufacturer, without notice.



ELECTRONIC REEL-LIFTING TROLLEY MOD. 1T-1M (1200kg)



TECHNICAL DATA

TROLLEY SPECIFICATIONS

Trolley length	1200 mm
Trolley height	1320 mm
Trolley width	850 mm
Dead weight without battery	350 kg
Dead weight with battery	400 kg
Max. width of reel	1600 mm
Max. diameter of reel	1000 mm
Max. weight of reel	1200 kg
Max. elevation of platform	980 mm
Minimum turning radius	1200 mm
Batteries	n° 2 12 V
Battery charging	220 / 24 V Hz 50
Drive motor	24 V, 1200 W
Hydraulic motor pump	24 V, 140 A

Mentioned Data are for the standard model and may be changed by the manufacturer, without notice.



ELECTRONIC REEL-LIFTING TROLLEY MOD. 1T-1M (1500kg)



TECHNICAL DATA

TROLLEY SPECIFICATIONS

Trolley length	1200 mm
Trolley height	1260 mm
Trolley width	850 mm
Dead weight without battery	376 kg
Dead weight with battery	426 kg
Max. width of reel	1600 mm
Max. diameter of reel	1000 mm
Max. weight of reel	1500 kg
Max. elevation of platform	980 mm
Minimum turning radius	1200 mm
Batteries n° 2	12 V, 95 Ah
Battery charging	220 / 24 V Hz 50
Drive motor	24 V, 1200 W
Hydraulic motor pump	24 V, 140 A

Mentioned Data are for the standard model and may be changed by the manufacturer, without notice.



ELECTRONIC REEL-LIFTING TROLLEY MOD. 1T-1M (side shifting)



TECHNICAL DATA

TROLLEY SPECIFICATIONS

Trolley length	1250 mm
Trolley height	1320 mm
Trolley width	900 mm
Dead weight without battery	400 kg
Dead weight with battery	450 kg
Max. width of reel	1600 mm
Max. diameter of reel	1000 mm
Max. weight of reel	1000 / 1200 kg
Max. elevation of platform	980 mm
Minimum turning radius	1200 mm
Side Shifting	40 mm per side
Batteries n° 2	12 V, 120 A
Battery charging	220 / 24 V
Drive motor	24 V, 1200 W
Hydraulic motor pump	24 V, 140 A

Mentioned Data are for the standard model and may be changed by the manufacturer, without notice