

general catalogue IRRIGATION

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About TRU-FLO & IRTEC IRRIGATORS

TRATION

Tru-Flo Pumping Systems is a major pump manufacturer and distributor in Australia supplying equipment solutions to many industries for their water transfer and irrigation needs, and has been distributing irrigation equipment and pumps to the agricultural sector for over twenty years.

With their extensive knowledge and expertise in crop and pasture irrigation, Tru-Flo distributes the complete range of IRTEC hose reel irrigation machines to primary producers around Australia.

ruflo

IRTEC has manufactured hose reel machines since 1978 and has always been recognised, both in Italy and internationally, for the production of high quality machinery.

The IRTEC irrigation machines can be powered by water turbine, hydraulic motor and both diesel or petrol engines.

AND AND AND AND ADDRESS.

The IRTEC range constitutes -

- 25 basic machines
- 190 different models
- Irrigation hose ranging in diameter from 40mm to 140mm and 130m to 750m in length

Rewind methods can be by -

Mechanical, computer management systems, diesel or petrol

Hydraulic powered and integrated water booster pumps

Tru-Flo also supplies IRTEC motor pumps from 5 to 250 HP, galvanised spray booms up to 50m and tractor PTO pumps.

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The SYSTEM

A 1, 3, 4 or 6 speed oil filled gearboxes with automatic brake manufactured from the highest quality materials.

B The PE hose is rewound via a crown wheel and hardened pinion to ensure many years of trouble free use.

C Turbine made of special aluminium alloy with built-in-by-pass and speed-equalizer, developed to obtain better performances with minimum pressure loss.

D Rugged frame design.

E Turbine made of special aluminium alloy developed in order to obtain optimal performances even at very low pressures and flow rates.

F Hose made of special polyethylene mixture at high resistance.

G Configurable high efficiency Rain Gun with nozzles kit.

H Constant speed device which adjusts the rewind speed as the hose winds onto the drum, allowing for a constant rewind speed.

Н

Galvanised rain gun trolley with adjustable wheels width.

Gearbox 1, 3, 4 or 6 speed oil filled gearboxes with automatic brake manufactured from the highest quality materials.

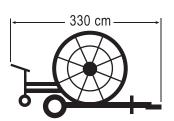
K Hose guiding device operated by splined shaft.

Model GBT



Model G/O

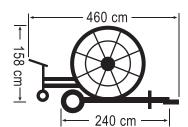




TECHNICAL CHARACTERISTICS

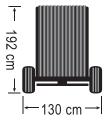
IRRIGATION MACHINES WITH TURNTABLE

- 1 speed gearbox
- Turbine with by-pass
- ► P.T.O. rewind
- ► Hot galvanised chassis and turn-table
- Automatic lifting device of trolley

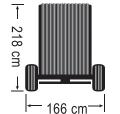


TECHNICAL CHARACTERISTICS IRRIGATION MACHINES WITH TURNTABLE

- ►1 speed gearbox
- Turbine with by-pass
- Electronic speed equalizer "Easy Rain"
- P.T.O. rewind
- ► Hot galvanised chassis and turn-table



PE HOSE Ø mm	50	58					
PE HOSE LENGTH mt	230	200					



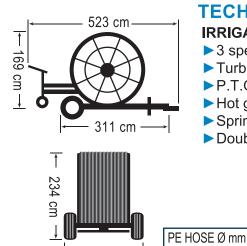
PE HOSE Ø mm	50	58	63	70				
PE HOSE LENGTH mt	250	250	200	150				

Model G/A



Model G/B





169 cm

TECHNICAL CHARACTERISTICS IRRIGATION MACHINES WITH TURNTABLE 3 speed gearbox Turbine with built-in by-pass P.T.O. rewind

63 63 63 70 70 75 75 82

- Hot galvanised chassis and turn-table
- Sprinkler trolley with 3 wheels

PE HOSE LENGTH mt 250 280 300 220 270 220 250 180

Double inlet water

564 cm 199 cm 352 cm 1 264 cm

209 cm

TECHNICAL CHARACTERISTICS IRRIGATION MACHINES WITH TURNTABLE

- ► 3 speed gearbox
- ► Turbine with built-in by-pass
- ► P.T.O. rewind
- ► Hot galvanised chassis and turn-table
- ► Rain gun trolley with 3 wheels
- Double inlet water
- Drum supports bearings

 PE HOSE Ø mm
 70
 75
 75
 82
 82
 90

 PE HOSE LENGTH mt
 350
 300
 330
 270
 300
 220

Options in the picture not included in the standard version: shut-off valve / tachometer.

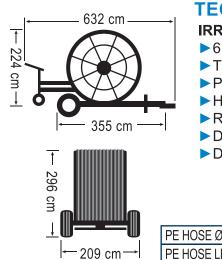
Options in the picture not included in the standard version: tachometer, trolley with 2 large wheels, upgraded wheels for machine, hydraulic legs, trolley lifting, rotation and drawbar.

Model G/C



Model G/D





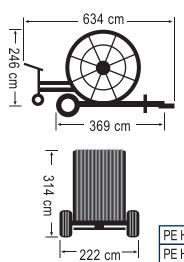
TECHNICAL CHARACTERISTICS IRRIGATION MACHINES WITH TURNTABLE

- 6 speed gearbox
- Turbine with built-in by-pass
- ►P.T.O. rewind
- Hot galvanised chassis and turn-table
- Rain gun trolley with 3 wheels
- Double inlet water
- Drum supports bearings

 PE HOSE Ø mm
 75
 75
 82
 82
 82
 90
 90
 90
 100
 110

 PE HOSE LENGTH mt
 350
 400
 50
 420
 280
 300
 350
 200

Options in the picture not included in the standard version: tachometer, trolley with 2 large wheels, upgraded wheels for machine, hydraulic legs, trolley lifting, rotation and drawbar.



TECHNICAL CHARACTERISTICS IRRIGATION MACHINES WITH TURNTABLE

- ►6 speed gearbox
- ► Turbine with built-in by-pass
- ► P.T.O. rewind
- ► Hot galvanised chassis and turn-table
- ► Rain gun trolley with 3 wheels
- Double inlet water
- Drum supports bearings

PE HOSE Ø mm	82	90	90	100	100	100	110			
PE HOSE LENGTH mt	500	370	400	300	330	350	250			

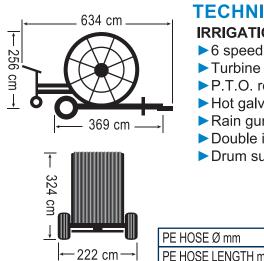
Optional in the picture not included in the standard version: tachometer, upgraded wheels for machine, hydraulic legs, trolley lifting, rotation and drawbar.

Model G/DS



Model G/E



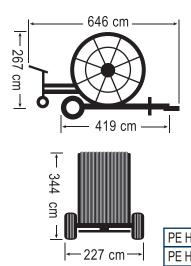


TECHNICAL CHARACTERISTICS IRRIGATION MACHINES WITH TURNTABLE ► 6 speed gearbox

- Turbine with built-in by-pass
- ▶ P.T.O. rewind
- Hot galvanised chassis and turn-table
- Rain gun trolley with 3 wheels
- Double inlet water
- Drum supports bearings

PE HOSE Ø mm	90	90	110	110				
PE HOSE LENGTH mt	450	480	300	320				

Options in the picture not included in the standard version: TR3+GSM computer, solar panel, shut-off valve, tachometer, road Italian omologation, trolley with 4 solid large wheel and 5th iron wheel, hydraulic legs, trolley lifting, rotation and drawbar.



TECHNICAL CHARACTERISTICS IRRIGATION MACHINES WITH TURNTABLE

- ►4 speed gearbox
- Turbine with built-in by-pass
- ▶ P.T.O. rewind
- Hot galvanised chassis and turn-table
- Rain gun trolley with 5 wheels
- Double inlet water
- Drum supports bearings

PE HOSE Ø mm 90 100 110 110 110 125 PE HOSE LENGTH mt 500 400 300 330 350 250

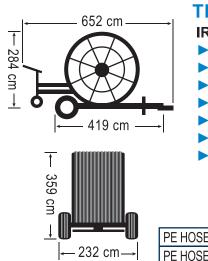
Optionas in the picture not included in the standard version: Easy Rain computer, solar panel, shut-off valve, upgraded wheels for machine, trolley with 4 solid large wheels and 5th air wheel, hydraulic legs, trolley lifting, rotation and drawbar.

Model G/ES



Model G/F





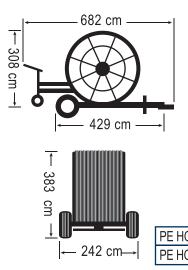
TECHNICAL CHARACTERISTICS

- ►4 speed gearbox
- Turbine with built-in by-pass
- ► P.T.O. rewind
- Hot galvanised chassis and turn-table
- Sprinkler trolley with 5 wheels
- Double inlet water
- Drum supports bearings

 PE HOSE Ø mm
 100
 100
 110
 110
 120
 125
 125

 PE HOSE LENGTH mt
 450
 500
 400
 420
 450
 300
 350
 370

Options in the picture not included in the standard version: tachometer, trolley with 4 solid large wheel and 5th iron wheel, hand pump for trolley and legs lifting.



TECHNICAL CHARACTERISTICS IRRIGATION MACHINES WITH TURNTABLE

- ►4 speed gearbox
- ► Turbine with built-in by-pass
- ► P.T.O. rewind
- ► Hot galvanised chassis and turn-table
- Rain gun sprinkler trolley with 5 wheels
- Double inlet water
- Drum supports bearings
- Stabilizers on drawbar

PE HOSE Ø mm 100 100 110 110 120 125 125 135 140 140 PE HOSE LENGTH mt 500 600 500 550 440 400 420 350 370 300 350

Optional in the picture not included in the standard version: Easy Rain computer, solar panel, shut-off valve, discharging valve, compressor, road Italian omologation, trolley with 4 solid large wheels and 5th iron wheel, hydraulic legs, trolley lifting, rotation.

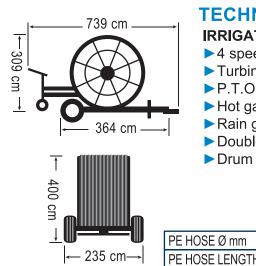
Model G/F8



Model G4

▶ G4▶ G4 SPECIAL



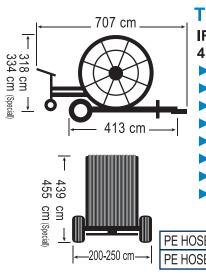


TECHNICAL CHARACTERISTICS IRRIGATION MACHINES WITH TURNTABLE

- 4 speed gearbox
- Turbine with built-in by-pass
- P.T.O. rewind
- Hot galvanised chassis and turn-table
- Rain gun trolley with 5 wheels
- Double inlet water
- Drum supports bearings

PE HOSE Ø mm 100 110 110 120 125 125 135 140 PE HOSE LENGTH mt 650 550 600 540 450 500 400 380

Options in the picture not included in the standard version: Easy Rain computer, solar panel, compressor, road Italian omologation, off-set trolley, corn extension, hydraulic legs, trolley lifting, rotation and drawbar.



TECHNICAL CHARACTERISTICS IRRIGATION MACHINES WITH TURNTABLE & 4 WHEEL-CHASSIS Electronic speed equalizer "Easy Rain"

- Synkro 4 speed gearbox
- Turbine with built-in by-pass
- ▶ PE hose rewinding by double chain
- Hot galvanised chassis and turn-table
- Off-set sprinkler trolley with 5 wheels
- Double inlet water
- Drum supports bearings

 PE HOSE Ø mm
 110
 110
 110
 120
 120
 125
 125
 125
 135
 140

 PE HOSE LENGTH mt
 650
 670
 700
 730
 600
 640
 550
 600
 620
 500
 400

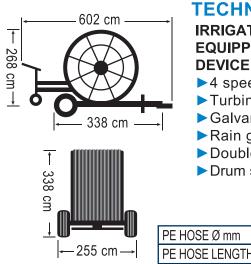
Options in the picture not included in the standard version: discharging valve, solar panel, upgraded wheels for machine.

Model GI/E



Model GI/ES





TECHNICAL CHARACTERISTICS IRRIGATION MACHINES 360° TURNTABLE EQUIPPED WITH POSITIONING HYDRAULIC

- ►4 speed gearbox
- Turbine with built-in by-pass
- Galvanised chassis and turn-table
- Rain gun trolley with 4 wheels
- Double inlet water
- Drum supports bearings

PE HOSE Ø mm 90 100 110 110 125 PE HOSE LENGTH mt 500 400 300 330 350 250

Options in the picture not included in the standard version: Easy Rain computer / solar panel / upgraded wheels for machine.

649 cm $1 \xrightarrow{280} \text{ cm}$ 400 cm $1 \xrightarrow{356} \text{ cm}$ 285 cm $1 \xrightarrow{285} \text{ cm}$

TECHNICAL CHARACTERISTICS

IRRIGATION MACHINES 360° TURNTABLE EQUIPPED WITH HYDRAULIC DEVICE TO LIFT THE WHEELS TYPE "GI"

- ►4 speed gearbox
- Turbine with built-in by-pass
- Galvanised chassis and turn-table
- Sprinkler trolley with 4 wheels
- Double inlet water
- Drum supports bearings

 PE HOSE Ø mm
 100
 100
 110
 110
 120
 125
 125

 PE HOSE LENGTH mt
 450
 500
 400
 420
 450
 380
 300
 370

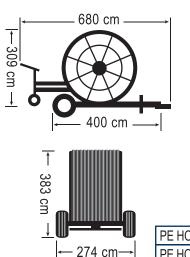
Options in the picture not included in the standard version: TR3 + GSM computer / solar panel / upgraded wheels for machine.

Model GI/F



Model GI/F8





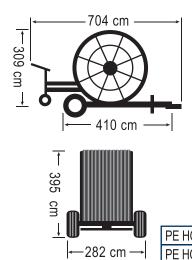
TECHNICAL CHARACTERISTICS

IRRIGATION MACHINES 360° TURNTABLE EQUIPPED WITH HYDRAULIC DEVICE TO LIFT THE WHEELS TYPE "GI"

- ►4 speed gearbox
- Turbine with built-in by-pass
- Galvanised chassis and turn-table
- Rain gun trolley with 4 wheels
- Double inlet water
- Drum supports bearings

PE HOSE Ø mm 100 110 110 110 120 125 125 135 140 140 PE HOSE LENGTH mt 550 600 500 530 550 440 400 420 350 370 300 350

Options in the picture not included in the standard version: TR3 computer, solar panel, shut-off valve, road Italian omologation, compressor, trolley with 2 iron wheels + 2 solid large wheels.



TECHNICAL CHARACTERISTICS

IRRIGATION MACHINES 360° TURNTABLE EQUIPPED WITH HYDRAULIC DEVICE TO LIFT THE WHEELS TYPE "GI"

- Synkro 4 speed gearbox
- ► Turbine with built-in by-pass
- Galvanised chassis and turn-table
- ► Rain gun trolley with 4 wheels
- Double inlet water
- Drum supports bearings

PE HOSE Ø mm 100 110 110 120 125 125 135 140 150 PE HOSE LENGTH mt 650 550 600 540 450 500 400 380 300

Options in the picture not included in the standard version: Easy Rain computer, solar pane, discharging valve, road Italian omologation, compressor, trolley with 2 iron wheels + 2 solid large wheels, trolley with mechanical height regulation, corn extension, hydraulics driven by diesel engine.

Model MUSTANG

MUSTANG

SPECIA

PE HOSE Ø mm

MUSTANG SPECIAL

345 cm → 363 cm (Special

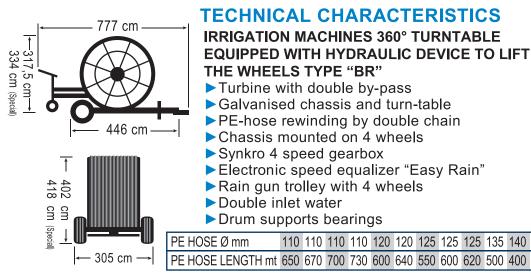
> 427 450

cm cm



MAGNUMSPECIAL





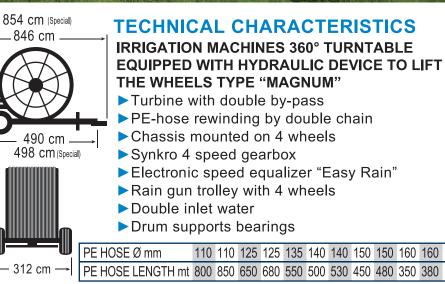
110 110 110 120 120 125 135 140 140 140 150

PE HOSE LENGTH mt 750 810 850 650 670 650 520 450 470 500 400

NRTEC

IRTEC

Options in the picture not included in the standard version: discharging valve, road Italian omologation, 2nd inlet for slurry.



Options in the picture not included in the standard version: solar panel, road Italian omologation, trolley with 4 iron wheels.

Model **G** MTP

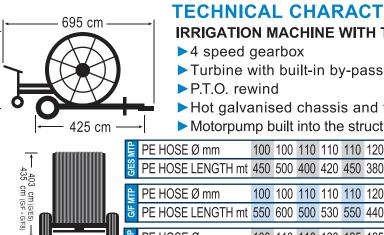
280 cm (G/ES) 309 cm (G/F - G/F8)

G/ES MTP G/F MTP G/F8 MTP



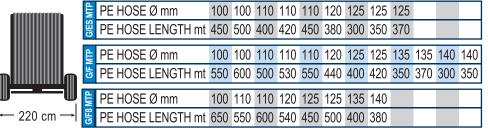
GI/ES MTP GI/F MTP GI/F8 MTP



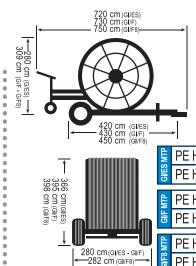


TECHNICAL CHARACTERISTICS IRRIGATION MACHINE WITH TURNTABLE

- Hot galvanised chassis and turn-table
- Motorpump built into the structure



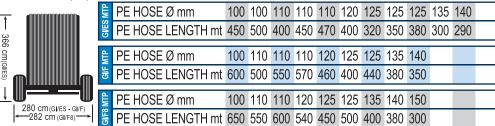
Options in the picture not included in the standard version: Easy Rain computer, off-set trolley, hydraulics trolley, leas lifting, rotation and drawbar.



TECHNICAL CHARACTERISTICS IRRIGATION MACHINES 360° TURNTABLE

EQUIPPED WITH HYDRAULIC DEVICE TO LIFT THE WHEELS

- Synkro 4 speed gearbox
- Galvanised chassis and turn-table
- Motorpump built into the structure



Options in the picture not included in the standard version: Easy Rain computer, road Italian omologation, compressor. galvanized drum, motorpumps accessories.

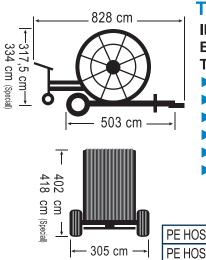
Model MUSTANG MTP





Model MAGNUM MTP MAGNUM SPECIAL





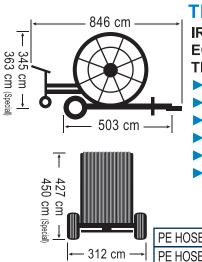
TECHNICAL CHARACTERISTICS

IRRIGATION MACHINES 360° TURNTABLE EQUIPPED WITH HYDRAULIC DEVICE TO LIFT THE WHEELS

- Synkro 4 speed gearbox
- Galvanised chassis and turn-table
- PE-hose rewinding by double chain
- Chassis mounted on 4 wheels
- Electronic speed equalizer "Easy Rain"
- Motorpump built in the structure of the machine

PE HOSE Ø mm 110 110 110 120 120 125 125 135 140 PE HOSE LENGTH mt 650 670 700 730 600 640 550 600 620 500 400

Options in the picture not included in the standard version: road Italian omologation, compressor, trolley with 2 solid large wheels + 2 iron wheels, corn extension, motorpumps accessories.



TECHNICAL CHARACTERISTICS

IRRIGATION MACHINES 360° TURNTABLE EQUIPPED WITH HYDRAULIC DEVICE TO LIFT THE WHEELS TYPE "MAGNUM"

- ▶ PE-hose rewinding by double chain
- Chassis mounted on 4 wheels
- Synkro 4 speed gearbox
- Electronic speed equalizer "Easy Rain"
- Galvanised chassis and turn-table
- Motorpump built in the structure of the machine

 ■
 PE HOSE Ø mm
 110
 110
 125
 125
 135
 140
 140
 150
 160
 160

 →
 PE HOSE LENGTH mt
 800
 850
 650
 680
 550
 500
 530
 450
 480
 350
 380

Options in the picture not included in the standard version: TR3 computer, road Italian omologation, compressor, trolley with 4 solid large wheels, mechanical height regulation, motorpumps accessories.

Model F L

FL09
FL10



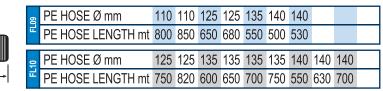


FL10 363 cm FL10 363 cm FL10 445 cm FL10 445 cm FL10 300

max. 315

TECHNICAL CHARACTERISTICS IRRIGATION MACHINES WITH HOSE PULLED OUT AT REAR SIDE

- ▶ PE-hose rewinding by double chain
- Chassis mounted on 4 wheels
- Synkro 4 speed gearbox
- Electronic speed equalizer "Easy Rain"
 + solar panel
- Hydraulic lateral reverse pull



Options in the picture not included in the standard version: shut-off valve, compressor.

Special APPLICATIONS









- A Machine with boom spray
- B Booster pump
- C Tractor pump on drawbar
- D Engine driven machine

While the information in this catalogue is considered to be true and correct at the date of publication, data may change without notice and Tru-Flo Pumping Systems is not liable for the accuracy of any information printed or stored by a user.

Computer EASY RAIN 3

Computer Body





The following functions are possible

- Program and control the rewinding speed, keeping it constant while working.
- Initial pause (delayed start of hose rewinding) in hours and minutes.
- Final pause (delayed open/shut-off of the valve) in hours and minutes.
- Stand by the working operations for low or loss of pressure with resume working operations when pressure is back, only if the machine is equipped with the pressure gauge (optional).

Information available on display

- The up-dated working speed in mt/h and ft/h keeping it constant.
- Program working speed in mt/h and ft/h.
- Length of PE-hose already rewound and those still to be rewound in mt/h and ft/h.
- ► Low battery alarm.
- ► The programed and remaining time of the initial pause.
- The programed and remaining time of the final pause.
- The time necessary to end the irrigation session (in hours and minutes).
- Any alarms caused by incorrect programing or malfunction.
- In case of alarm the computer opens/closes the valve (if present) and this will stop the pumping station.

Computer TR3

Computer Body





Safety functions

- The discharge valve or the shut-off valve start to operate in case of break or incorrect programing, stopping the machine automatically.
- Closing of end-work valve due to lack of pressure and reopening of it when pressure is back.

The following functions are possible

- Program and control of the rewinding speed, keeping it constant during the whole irrigation session, or the ability to divide the irrigated strip into 4 different zones with different working speeds.
- Initial pause (delayed start of hose rewinding).
- Final pause (delayed open/shut-off of the valve).
- Delayed start of irrigation session.
- Stand by the working operation (and eventual shut-off of the valve) in case of loss of pressure.
- Priority on the irrigation time.
- Program rainfall in mm calculated by the computer also in 4 zones with different rainfall.

Information available on display

- The up-dated working speed in mt/h and ft/h.
- The programed working speed in mt/h and ft/h.
- The length of PE-hose already rewound and those still to be rewound.
- Day and hour of the end the irrigation session.
- Alarm for low battery.
- The programed and remaining time of the initial pause.
- The programed and remaining time of the final pause.
- The total capacity in m3/h, the instant capacity in It/min.
- Any alarms caused by incorrect programing or malfunction.

The ACCESSORIES















Discharging valve





MOTORPUMPS & CUSTOM UNITS









IRRIGATION SYSTEMS

Typical layout for irrigation system with boom spray

Typical layout for irrigation system with sprinkler



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