

Pallet Conveyor System

New modular pallet conveyor from

The new modular pallet conveyor comprises of heavy duty chain conveyor, roller conveyor, chain transfer and turntable modules. The flexible pallet conveyor system is designed to handle the full range of Euro-pallet sizes as well as the popular Chep type 1200 x 1000mm pallet, with loads up to 1500Kg.



Roller Conveyor Straight

A robust pallet roller conveyor system. Rollers are driven tangentially by 5/8" chain in a fully enclosed side channel. The system offers minimal backlash, easy tensioning and a 150/200mm roller pitch. With a load capacity of 1500kg per pallet the straight modules are available to handle up to 4500kg total conveyor load.

- Tangential chain drive
- 4 mm thick side channels.
- 3 and 5 mm thick roller options.
- Chain tensioning done quickly without removing guards.
- 150/200mm roller pitch.

Chain Conveyor Straight

3/4" pitch flat sided linked chain provides a strong supporting surface to convey pallets up to 1500kg. These modules are available in two and three chain versions. Chain tensioning is quick and easy with no requirement to remove any guards.

- 1500kg pallet load capacity
- 4-mm thick side channels.
- 3/4"pitch flat sided chain running on low friction, hard wearing polymer guide strips.
- Ability to run cables and pneumatics in side channel.
- Chain in same lateral position on each module. Giving a smooth clean appearance and aiding cable runs.
- Hollow crossties to enable cables to run from one side of the conveyor to the other.



Roller Transfer

Roller transfers are a self contained unit, which can be fitted to a new or existing chain conveyor straight. The pop-up roller is powered by two motorised rollers. With a nominal roller pitch of 150 mm for all pallet types these transfers offer exceptional support for pallets during the transfer operation.

- Tangential chain drive
- 4 mm thick side channels.
- 3 and 5 mm thick roller options.
- 150mm nominal roller pitch.



Double Transfer

Double transfer modules combine the features and benefits of the roller systems and chain conveyor in one module. With a nominal roller pitch of 150 mm for all pallet types these transfers offer exceptional support for pallets during the transfer operation. The modules are available to suit the standard pallet conveyor widths.

- 150mm nominal roller pitch.
- Bi-directional control available.
- Conveyor speeds of 12m/min and 18m/min
- Maximum pallet weight 1500kg



Europallet and Chep type pallets.

3mm and 5mm thick roller options.

Soft start and inverter options available.

Conveyor speed 12m/min and 18m/min.

Fully CE compliant.



Chain Transfer

Transfer modules combine the features and benefits of the roller systems and chain conveyor in one module. With a nominal roller pitch of 150 mm for all pallet types these transfers offer exceptional support for pallets during the transfer operation.

- 150mm nominal roller pitch
- 3-mm thick steel rollers with steel sprockets
- 3/4 " pitch flat sided chain
- Types:
 - Single Handed Transfer to Transfer Unit
 - Single Handed Extended Transfer to Transfer Unit

Roller Turntable

The turntable module is designed to change the direction of pallet travel by rotation of the pallet through any angle from 90° to 180°, whilst keeping the relationship of the pallet runners to roller conveyor the same.

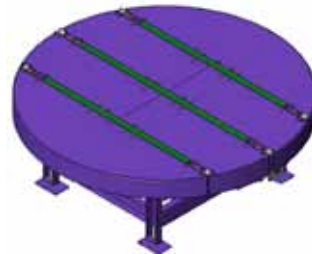
- Rotation angle of 90 to 180 degrees.
- 147 pallets per hour rotating 90 degrees.
- Two rotation speeds of 2rpm and 4rpm
- Conveyor speeds of 12 m/min and 18m/min
- Pallet dimensions 800/1000mm L/R



Chain Turntable

The chain turntable module is designed to change the direction of pallet travel by rotation of the pallet through any angle from 90° to 180°, whilst keeping the relationship of the pallet runners to roller conveyor the same.

- Rotation angle of 90 to 180 degrees.
- 174 pallets per hour rotating 90 degrees.
- Two rotation speeds of 2rpm and 4rpm
- Conveyor speeds of 12 m/min and 18m/min
- 900mm Chain centres
- Pallet dimensions 1200mm L/R



Beam Lift Assembly

The beam lift assembly is designed to lift pallets 200mm above the chain conveyor. The beam assembly has two standard types, low and high. Low types range from 650mm to 800mm top of chain heights. high type beam lifts range from 850mm to 1000mm top of chain height.

- Low and high type available.
- To suit 2 strand chain conveyor.
- 200mm Pallet Lift
- Maximum pallet weight 1500kg



Further Modules and Accessories

Our commitment to the Pallet design has resulted in a large investment in this project.

As a result we will be continually adding modules to our existing range.

Please contact us for details.



A robust pallet roller conveyor system. Rollers are driven tangentially by 5/8" chain in a fully enclosed side channel. The system offers minimal backlash, easy tensioning and a 150/200mm roller pitch. With a load capacity of 1500kg per pallet the straight modules are available to handle up to 4500kg total conveyor load.

- **Tangential chain drive**
- **Option of steel or polymer sprockets on rollers**
- **4 mm thick side channels.**
- **3 and 5 mm thick roller options.**
- **Chain tensioning done quickly without removing guards.**
- **150/200mm roller pitch.**
- **Ability to run cables in non-drive channel. Fascia to close section off.**
- **Ability to fit photocells anywhere along length via clamp brackets.**
- **Soft start and inverter motor options available.**

Pallet Conveyor System

Heights

Range of heights available from 400 - 900mm
(Top of Roller)

Motor Type

0.37, 0.55, 1.1 and 1.5 kW available

Motor Options

No Brake - No Inverter

Braked - No Inverter

Chain

5/8" pitch simplex chain

Lengths Available

1050 to 6000mm in 150/200mm increments

Pallet Size

800/1000mm L-R

Speeds Available

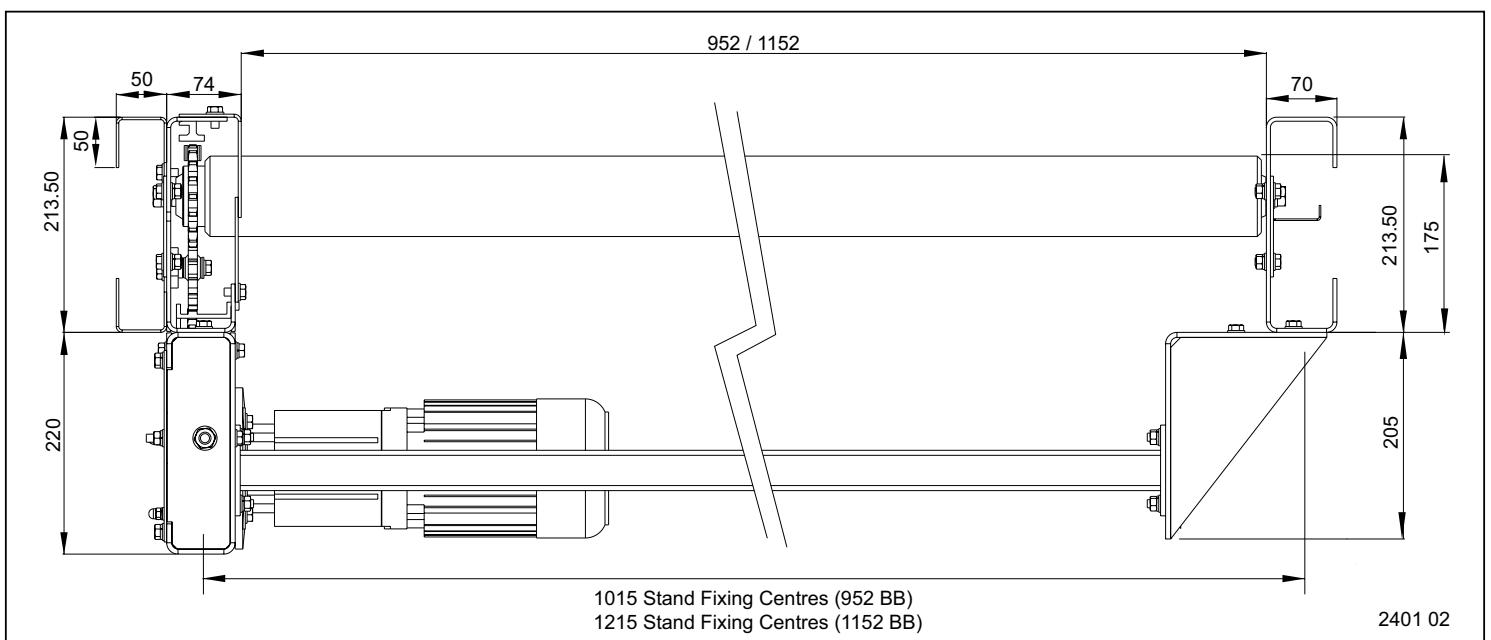
12m/min and 18m/min available

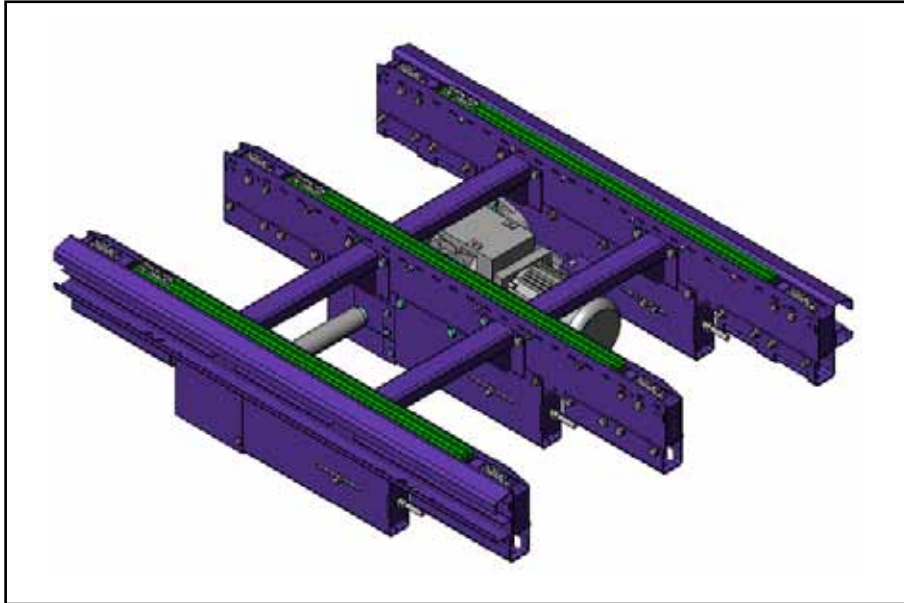
Electrical Power

Motors should be connected to 415V 3-phase, 50Hz supply.

12m/min		
Load Capacity	Motor Power (kW)	Full Load Current (A)
1500kg	0.37	0.95
3000kg	0.55	1.4
4500kg	1.1	2.8

18m/min		
Load Capacity	Motor Power (kW)	Full Load Current (A)
1500kg	0.55	1.4
3000kg	1.1	2.8
4500kg	1.5	3.6





3/4" pitch flat sided linked chain provides a strong supporting surface to convey pallets up to 1500kg. These modules are available in two and three chain versions. Chain tensioning is quick and easy with no requirement to remove any guards..

- **1500kg pallet load capacity**
- **4-mm thick side channels.**
- **3/4"pitch flat sided chain running on low friction, hard wearing polymer guide strips.**
- **Ability to run cables and pneumatics in side channel.**
- **Chain in same lateral position on each module. Giving a smooth clean appearance and aiding cable runs.**
- **Hollow crossties to enable cables to run from one side of the conveyor to the other.**

Pallet Conveyor System

Heights

Range of heights available from 375 - 925mm
(Top of Chain)

Motor Type

0.75, 1.1, 1.5, 2.2, and 3.0 kW available

Motor Options

No Brake - No Inverter

Braked - No Inverter

Chain

3/4" pitch simplex chain

Lengths Available

1300mm to 3600mm in 50mm increments

Pallet Size

1200mm L-R

Speeds Available

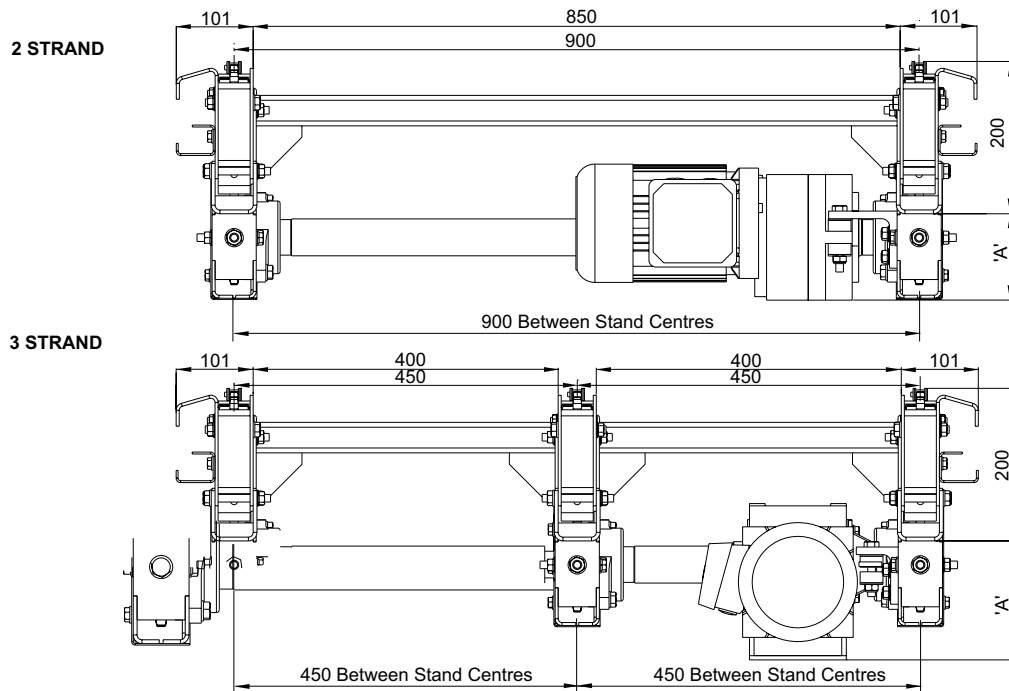
12m/min and 18m/min available

Electrical Power

Motors should be connected to 415V 3-phase, 50Hz supply.

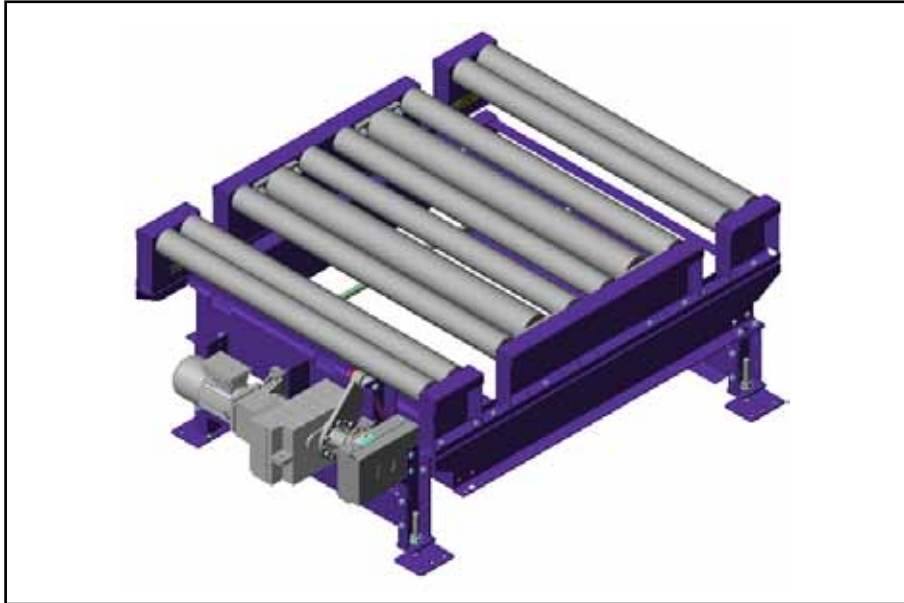
12m/min		
Load Capacity	Motor Power (kW)	Full Load Current (A)
1500kg	0.75	2.0
3000kg	1.5	4.2
4500kg	2.2	5.9

18m/min		
Load Capacity	Motor Power (kW)	Full Load Current (A)
1500kg	1.1	3.2
3000kg	2.2	3.9
4500kg	3.0	7.2



Load Capacity (kg)	Dimension 'A' (mm)	
	2 Strand	3 Strand
1500	113.5	156
3000	134	181
4500	159	221

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Roller transfers are a self contained unit, which can be fitted to a new or existing chain conveyor straight. The pop-up roller is powered by two motorised rollers. With a nominal roller pitch of 150mm for all pallet types these transfers offer exceptional support for pallets during the transfer operation.

- **Tangential chain drive**
- **4 mm thick side channels.**
- **3 and 5 mm thick roller options.**
- **Nominal 150mm roller pitch.**
- **Available to fit 2 and 3 strand chain straights**

Pallet Conveyor System

Heights

Range of heights available from 500 - 1100mm
(Top of Roller)

Motor Type

0.18 kW available

Pallet Size

800/1000mm L-R

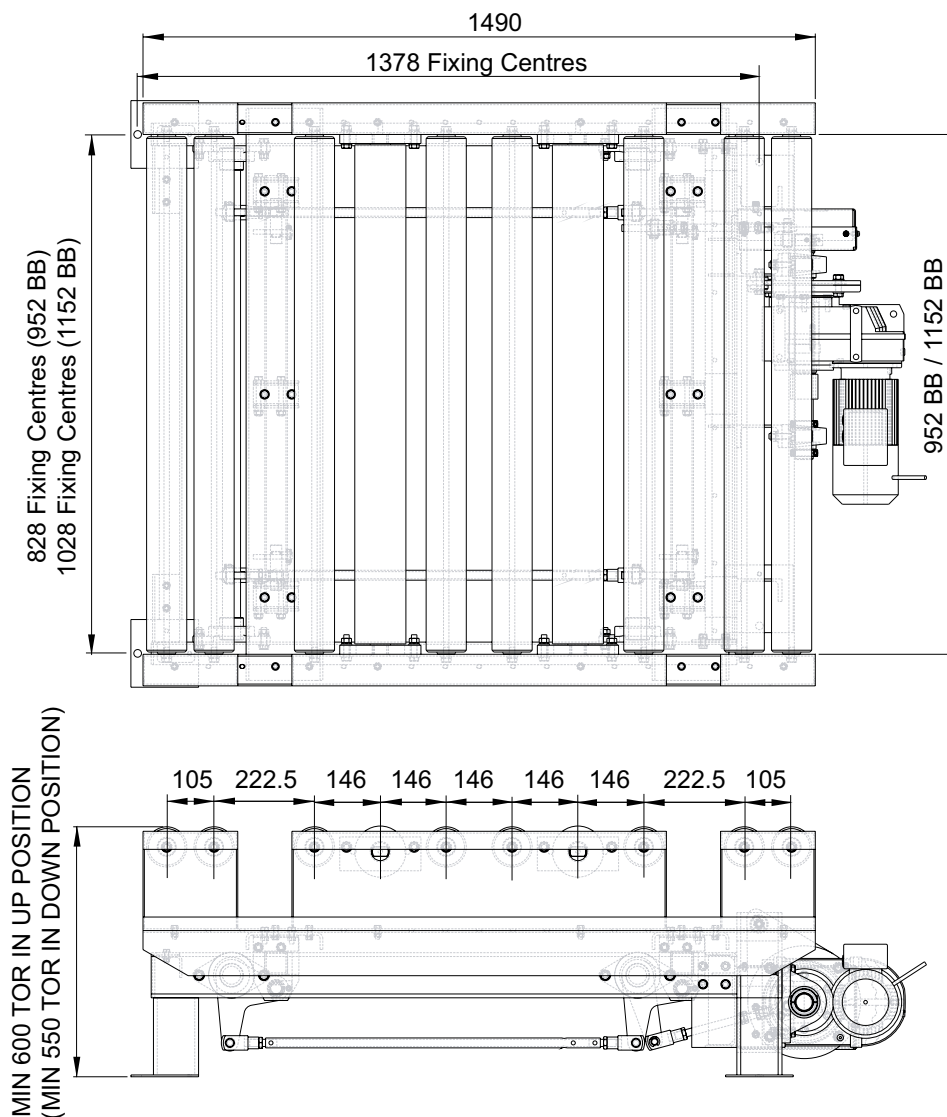
Speeds Available

12m/min and 18m/min available

Electrical Power

Motors should be connected to 415V 3-phase, 50Hz supply.

Motor Power (kW)	Full Load Current (A)
0.18	0.58



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Transfer modules combine the features and benefits of the roller systems and chain conveyor in one module. With a nominal roller pitch of 150 mm for all pallet types these transfers offer exceptional support for pallets during the transfer operation.

- **Nominal 150mm roller pitch**
- **3mm thick steel rollers with steel sprockets**
- **$\frac{3}{4}$ " pitch flat sided chain**
- **Types:**
 - Single Handed Transfer to Transfer Unit**
 - Single Handed Extended Transfer to Transfer Unit**

Pallet Conveyor System

Heights

Range of heights available from 400 - 1000mm
(Top of Roller)

Motor Type

Chain Conveyor 0.75, 1.1 kW

Lift Transfer 0.55 kW

Roller Conveyor 0.37, 0.55 kW

Motor Options

No Brake - No Inverter

Braked - No Inverter

Chain

3/4" pitch simplex chain

Pallet Size

800/1000mm L-R

Speeds Available

Roller Conveyor - 12m/min and 18m/min

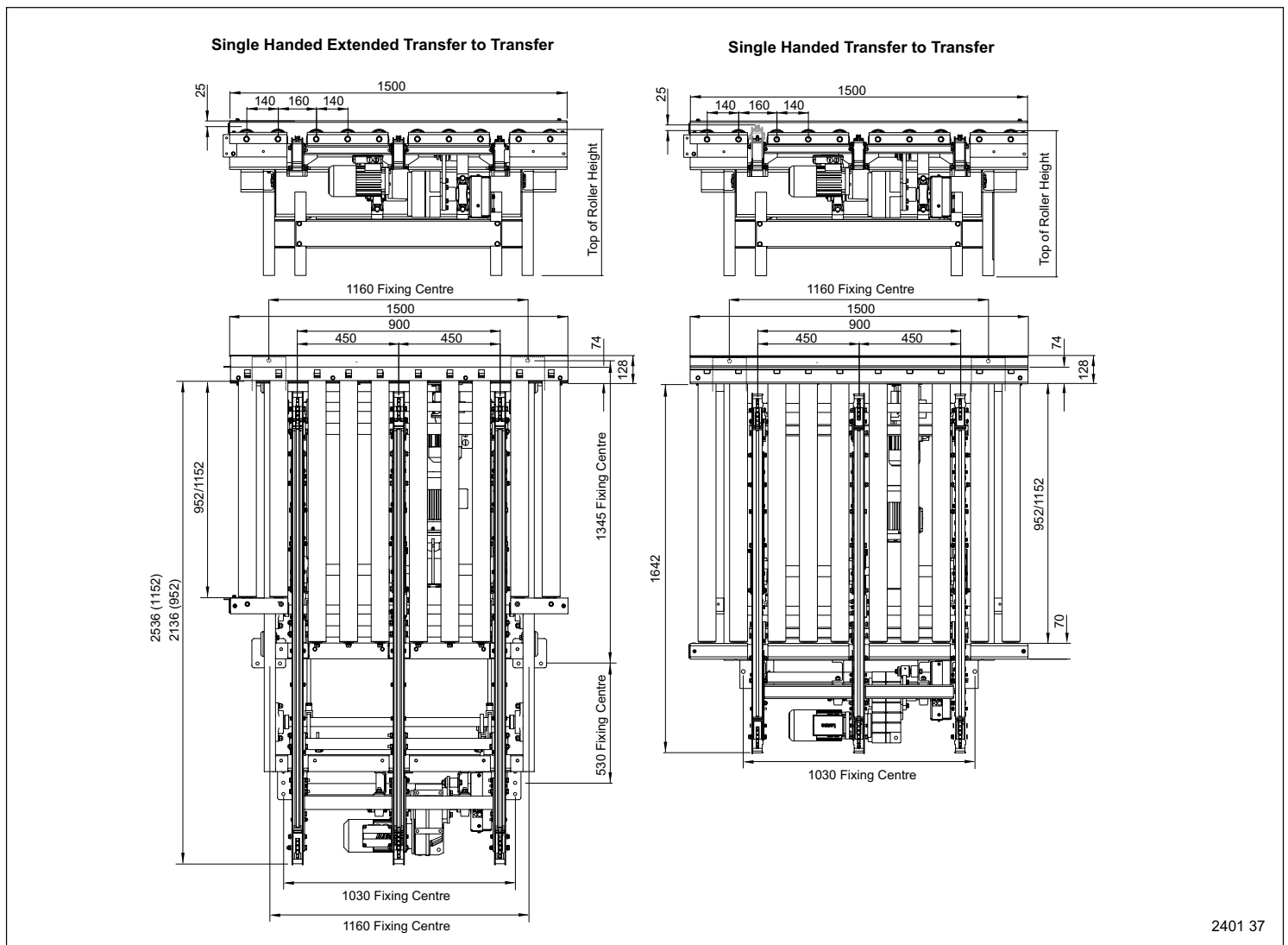
Chain Transfer - 12m/min and 18m/min

Up to 213 pallet transfers per hour

Electrical Power

Motors should be connected to 415V 3-phase, 50Hz supply.

Motor Power (kW)	Full Load Current (A)
0.37	0.95
0.55	1.4
0.75	1.9



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The turntable module is designed to change the direction of pallet travel by rotation of the pallet through any angle from 90° to 180°, whilst keeping the relationship of the pallet runners to roller conveyor the same.

- **Rotation angle of 90 to 180 degrees.**
- **174 pallets per hour rotating 90 degrees.**
- **Two rotation speeds of 2rpm and 4rpm**
- **Conveyor speeds of 12 m/min and 18m/min**
- **Pallet dimensions 800/1000mm L/R**

Pallet Conveyor System

Heights

Range of heights available from 400 - 1000mm
(Top of Roller)

Motor Type

Roller Conveyor 0.37, 0.55 kW
Rotation Drive 0.18, 0.37 kW

Pallet Size

800/1000mm L-R

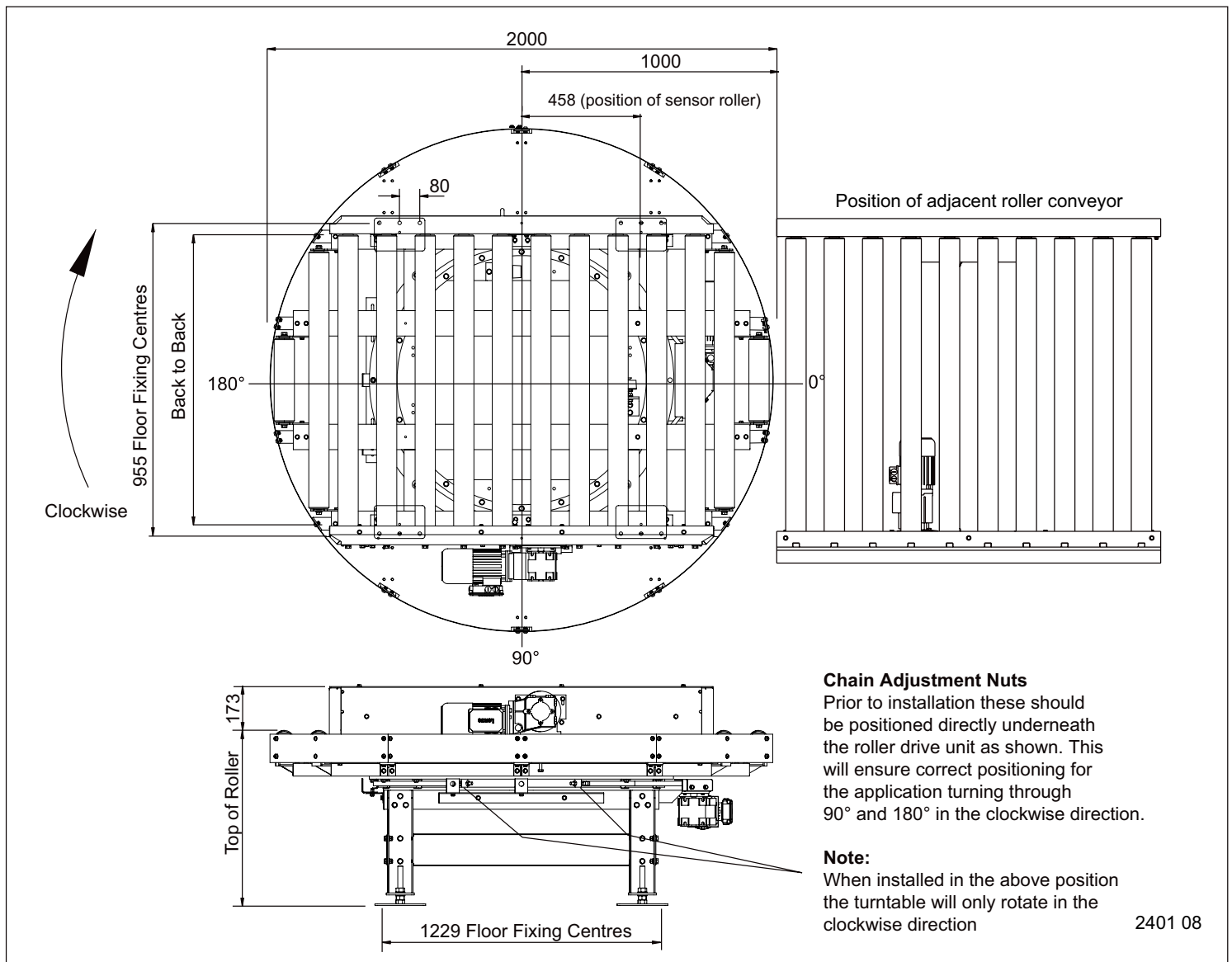
Speeds Available

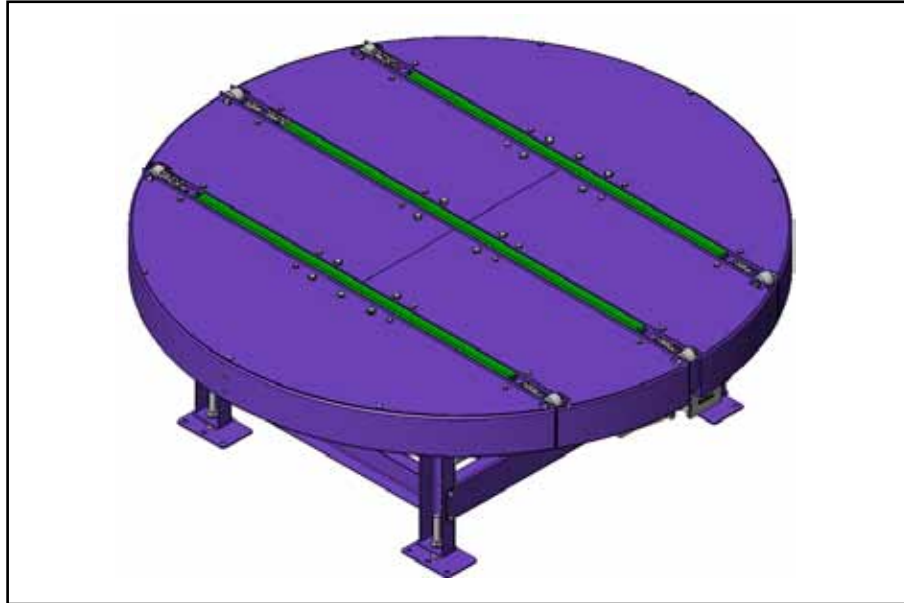
Roller Conveyor - 12m/min and 18m/min
Chain Transfer - 12m/min and 18m/min
Up to 213 pallet transfers per hour

Electrical Power

Motors should be connected to 415V 3-phase, 50Hz supply.

Motor Power (kW)	Full Load Current (A)
0.37	0.95
0.55	1.4
0.75	1.9





The chain turntable module is designed to change the direction of pallet travel by rotation of the pallet through any angle from 90° to 180°, whilst keeping the relationship of the pallet runners to roller conveyor the same.

- **Rotation angle of 90 to 180 degrees.**
- **174 pallets per hour rotating 90 degrees.**
- **Two rotation speeds of 2rpm and 4rpm**
- **Conveyor speeds of 12 m/min and 18m/min**
- **900mm Chain centres**
- **Pallet dimensions 1200mm L/R**

Pallet Conveyor System

Heights

Range of heights available from 425 - 1025mm
(Top of chain)

Motor Type

Chain Conveyor 0.75, 1.1 kW
Rotation Drive 0.18, 0.37 kW

Pallet Size

1200mm L-R

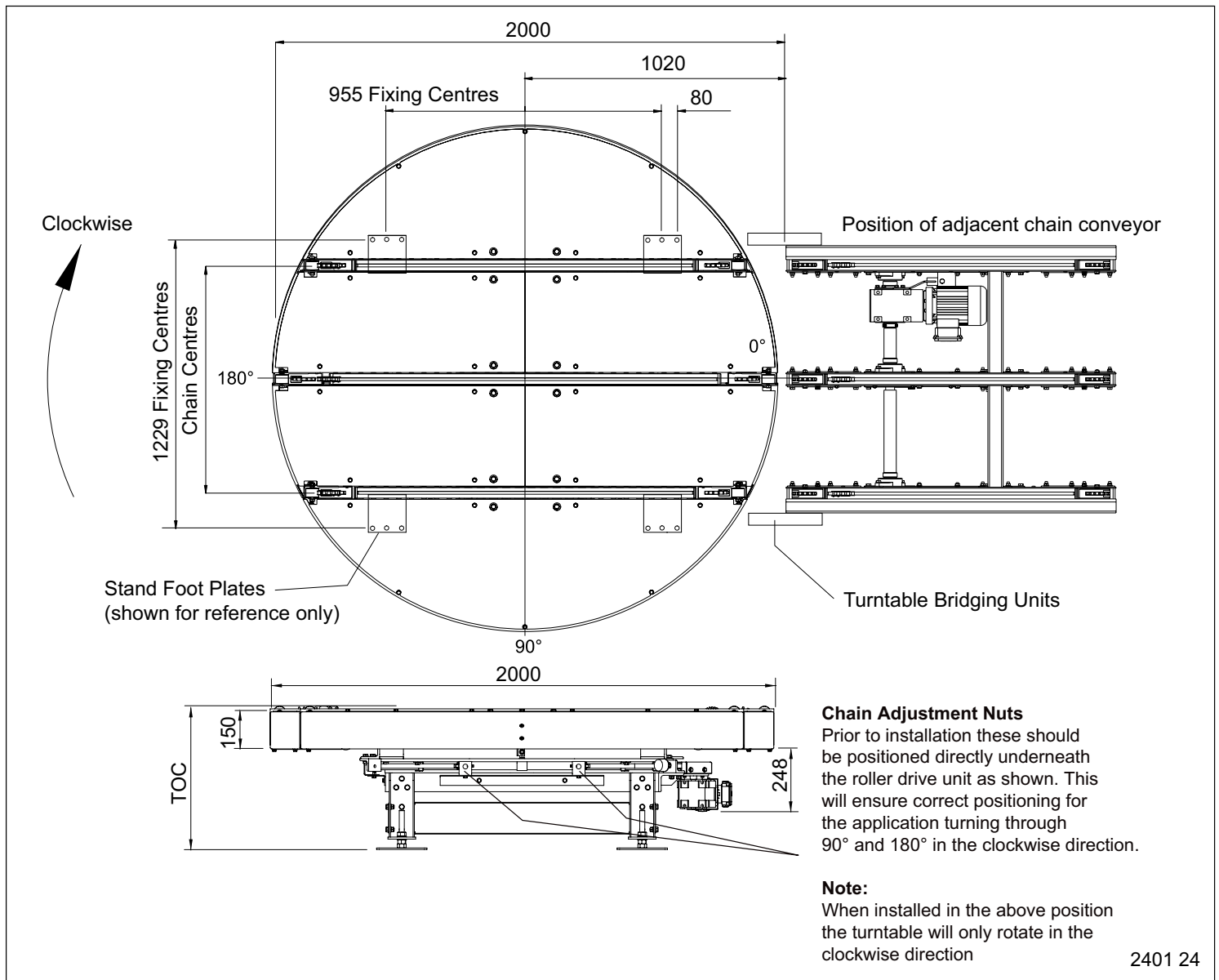
Speeds Available

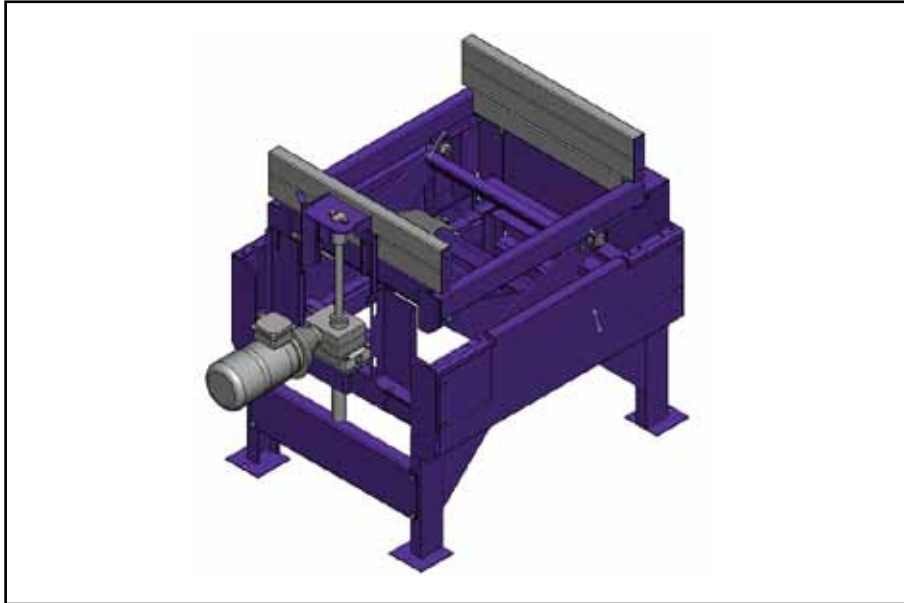
Roller Conveyor - 12m/min and 18m/min
Chain Transfer - 12m/min and 18m/min
Up to 213 pallet transfers per hour

Electrical Power

Motors should be connected to 415V 3-phase, 50Hz supply.

Motor Power (kW)	Full Load Current (A)
0.18	0.58
0.37	0.95
0.75	1.9
1.1	2.8





The beam lift assembly is designed to lift pallets 200mm above the chain conveyor. The beam assembly has two standard types, low and high. Low types range from 650mm to 800mm top of chain heights, high type beam lifts range from 850mm to 1000mm top of chain height.

- **Low and high type available.**
- **To suit 2 strand chain conveyor.**
- **200mm Pallet Lift**
- **Maximum pallet weight 1500kg**

Pallet Conveyor System

Heights

Range of heights available

Low Height 650 - 800mm (Top of chain)

High Height 850 - 1000mm (Top of chain)

Motor Type

1.5 kW

Pallet Size

1200mm L-R

Pallet Lift

200mm

Speeds Available

25mm/s

Cycle of Operation

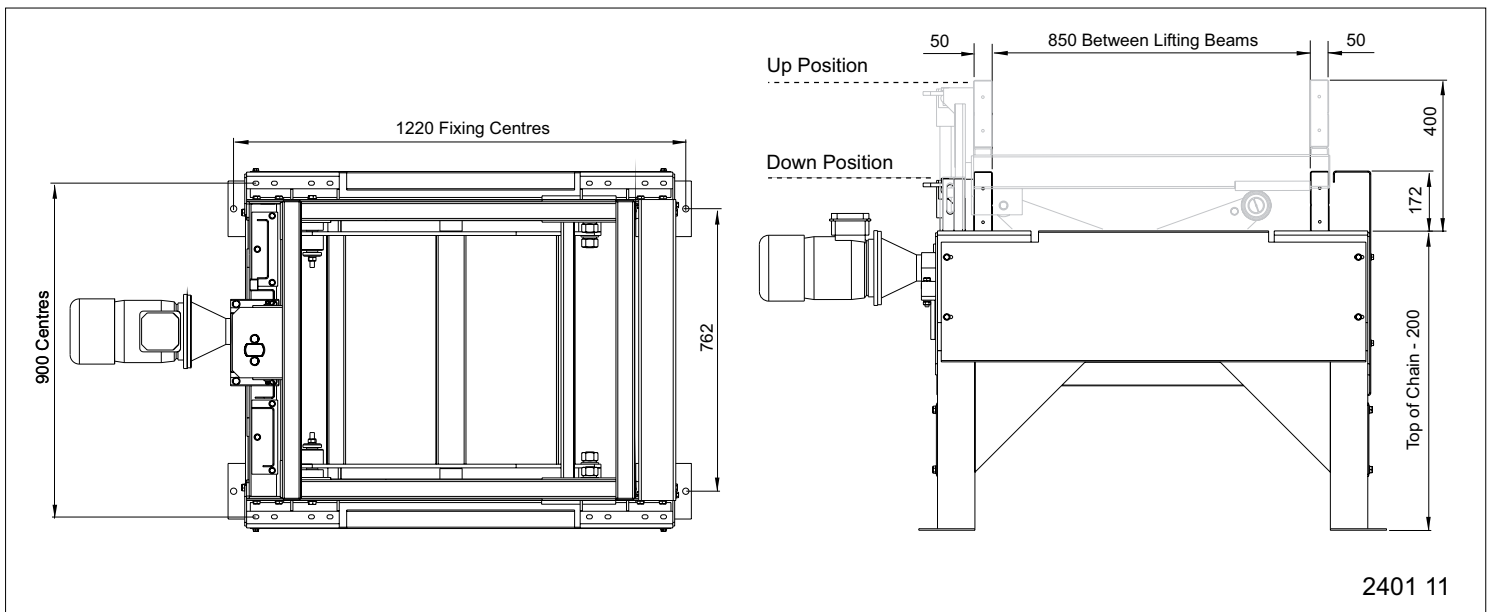
Up stroke = 10 secs

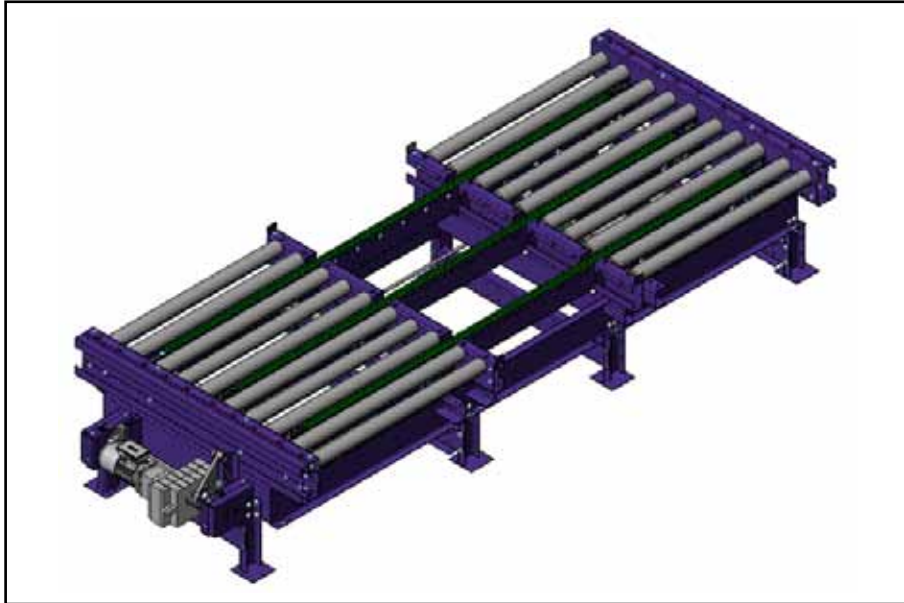
Down stroke = 10 secs

Electrical Power

Motors should be connected to 415V 3-phase, 50Hz supply.

Motor Power (kW)	Full Load Current (A)
1.5	3.6





Double transfer modules combine the features and benefits of the roller systems and chain conveyor in one module. With a nominal roller pitch of 150 mm for all pallet types these transfers offer exceptional support for pallets during the transfer operation. The modules are available to suit the standard pallet conveyor widths.

- **Nominal 150mm roller pitch.**
- **Bi-directional control available.**
- **Conveyor speeds of 12m/min and 18m/min**
- **Maximum pallet weight 1500kg**

Pallet Conveyor System

Heights

Range of heights available from 400 - 1000mm
(Top of roller)

Motor Type

Chain Conveyor 0.75, 1.1 kW
Lift Transfer 0.75 kW
Roller Conveyor 0.37, 0.55 kW

Pallet Size

800/1000mm L-R

Motor Options

No Brake - No Inverter
Braked - No Inverter

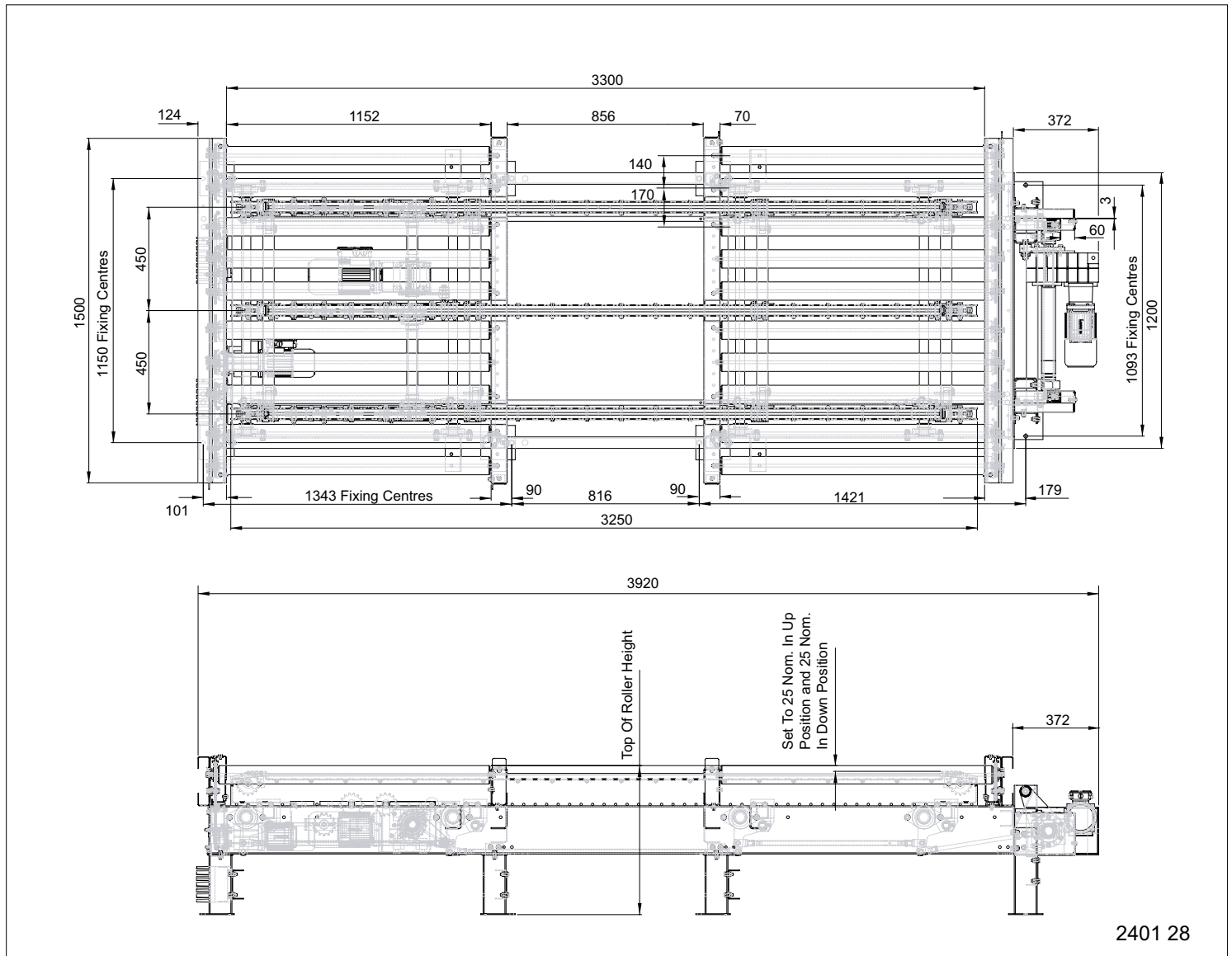
Speeds Available

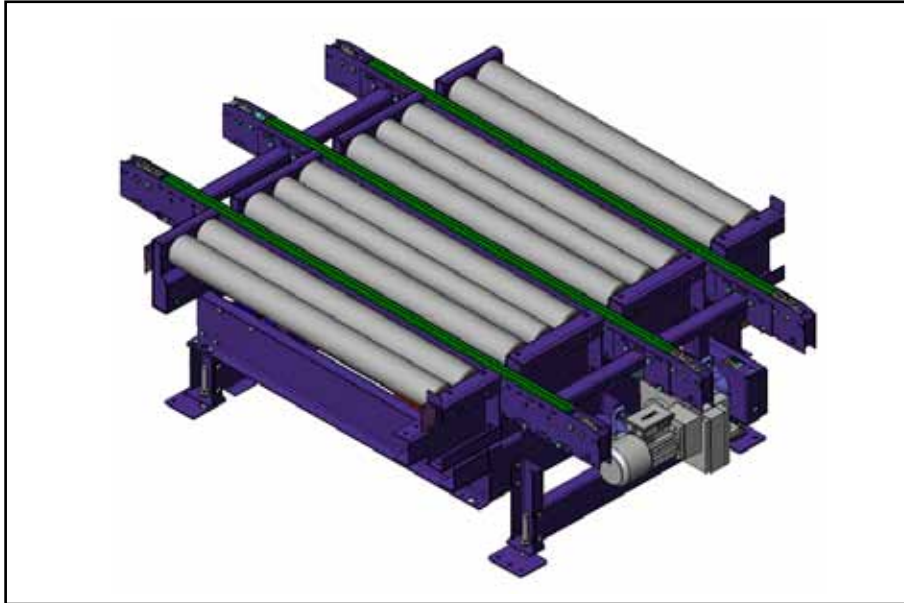
Roller Conveyor - 12m/min and 18m/min
Chain Transfer - 12m/min and 18m/min
Up to 184 pallet transfers per hour

Electrical Power

Motors should be connected to 415V 3-phase, 50Hz supply.

Motor Power (kW)	Full Load Current (A)
0.37	0.95
0.55	1.4
0.75	1.9
1.1	2.8





Centre transfer modules combine the features and benefits of the roller systems and chain conveyor in one module. With a nominal roller pitch of 150mm for all pallet types these transfers offer exceptional support for pallets during the transfer operation. Pallets can be received and transferred in either direction.

- **Nominal 150mm roller pitch.**
- **Conveyor speeds of 12m/min and 18m/min**
- **Maximum pallet weight 1500kg**

Pallet Conveyor System

Heights

Range of heights available from 500 - 1000mm
(Top of roller)

Motor Type

Chain Conveyor 0.75, 1.1 kW
Lift Transfer 0.75 kW
Roller Conveyor 0.37, 0.55 kW

Pallet Size

800/1000mm L-R

Motor Options

No Brake - No Inverter
Braked - No Inverter

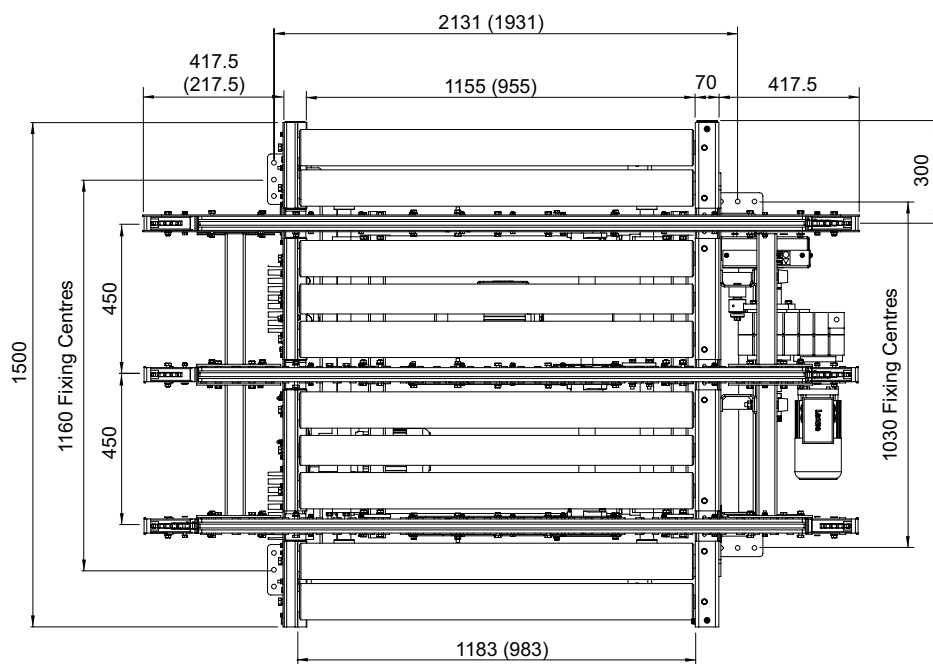
Speeds Available

Roller Conveyor - 12m/min and 18m/min
Chain Transfer - 12m/min and 18m/min
Up to 184 pallet transfers per hour

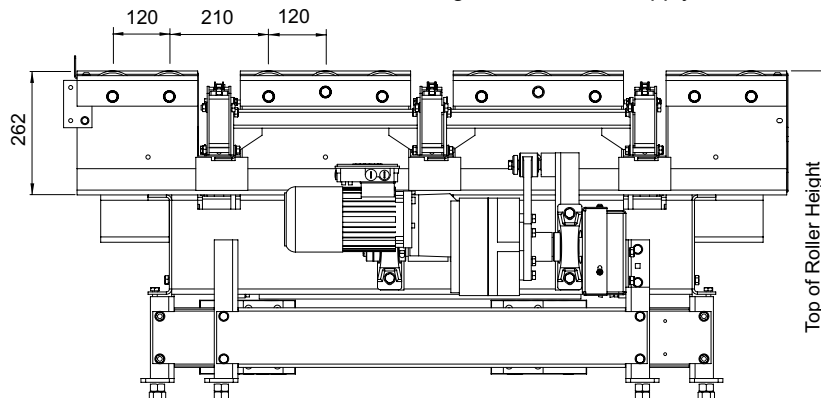
Electrical Power

Motors should be connected to 415V 3-phase, 50Hz supply.

Motor Power (kW)	Full Load Current (A)
0.37	0.95
0.55	1.4
0.75	1.9
1.1	2.8



Note: Figures in brackets apply to 800mm wide Pallets



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Motorised roller straights comprise of a number of powered rollers and adjacent gravity rollers. The motorised rollers are used to drive the load along the length of the conveyor.

Drive rollers are mounted in flexible brackets such that they are higher than the gravity conveyor rollers. In this way the item being conveyed is constantly in contact with the pallet drives. The pallet presses the motorised rollers down to the level of the adjacent gravity rollers, so that the weight of the pallet is evenly distributed during transport.

- **150mm roller pitch (125mm available on request)**
- **Conveyor speeds of 13m/min and 16m/min - can be used with inverter**
- **Maximum pallet weight 600kg - optional 1000kg available on request**
- **No need for geared motors, chains and sprockets**
- **Compact and space saving design, can be installed on the floor**
- **Maintenance free, ease of installation and modular design**

Pallet Conveyor System

Lengths Available

600mm to 3000mm in 150mm increments

Widths Available

1050mm BB (1000mm wide pallet)

1250mm BB (1200mm wide pallet)

Speeds Available

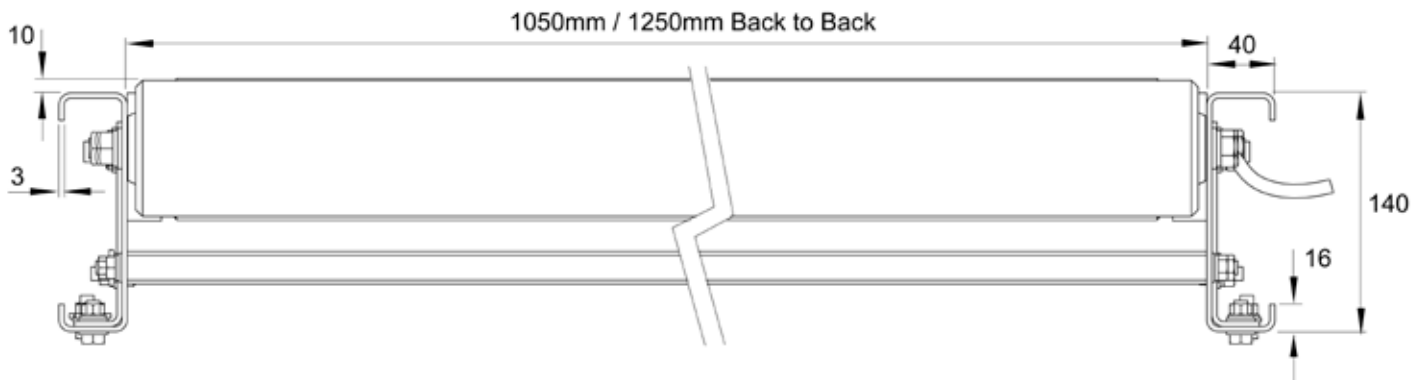
13m/min

16m/min

Electrical Power

Motors should be connected to 415V 3-phase, 50Hz supply.

Load Capacity	Motor Power (kW)	Stall Current (A)	Full Load Current (A)
600kg	0.085	1.07	0.32



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