

# FINLAY®

# BELL

# CONVEYORS & FEEDERS



## BENEFITS:



Reduced Cost



Site Operating  
Efficiency



Environmental  
Considerations



Improve Health  
& Safety



Product  
Quality

## WORKS FOR YOU.™

## STANDARD SPECIFICATION

### TRACKED CONVEYOR TC-65

#### CONVEYOR

- Conveyor Length: 20m 65'7"
- Belt Width: 1050mm 42"
- Conveyor Drive: Hydraulic 800cc
- Discharge Height @ 24°: 8.7m 28' 6"
- Stockpile Capacity @ 24 = 1214m³ / 1588yd³ @ 37° angle of repose
- Max Discharge Height @ 28°: 10m 32' 10"
- Capacity: Up to 500 +TPH
- Hydraulic Folding Head Section
- Belt Type: EP400 3 Ply 4+2
- Polyurethane tensioned belt cleaner
- Hydraulic feed in height adjustment
- Hydraulic fold over for Transport
- Hydraulic conveyor angle adjustment
- 40 degree rollers
- Variable speed control
- Feedboot with removable 6mm steel wear liners

#### POWERUNIT

- Diesel Hydraulic
- Engine (Tier 3) Deutz D2011 L04I - 36.4kW (45hp)
- Engine (Tier 4 Final) Deutz TD 2.9 L04 45kW (60hp)
- Fuel Tank Volume 200 Litres
- Hydraulic Oil Cooler Standard

#### CHASSIS

- Tracks 2.9m centres x 400mm shoe
- 2 Speed Track Motor
  - Lower Speed 0.9Km/h
  - Higher Speed 1.6Km/h

#### GENERAL

- Pinless deployment
- Heavy duty undercarriage unit with 400mm wide tracks
- External conveyor belt adjustment
- Engine prestart delay & siren
- Low level greasing
- Emergency stops (3 nr)
- Safety guards in compliance with machinery directive
- Machine Painted Finlay Orange

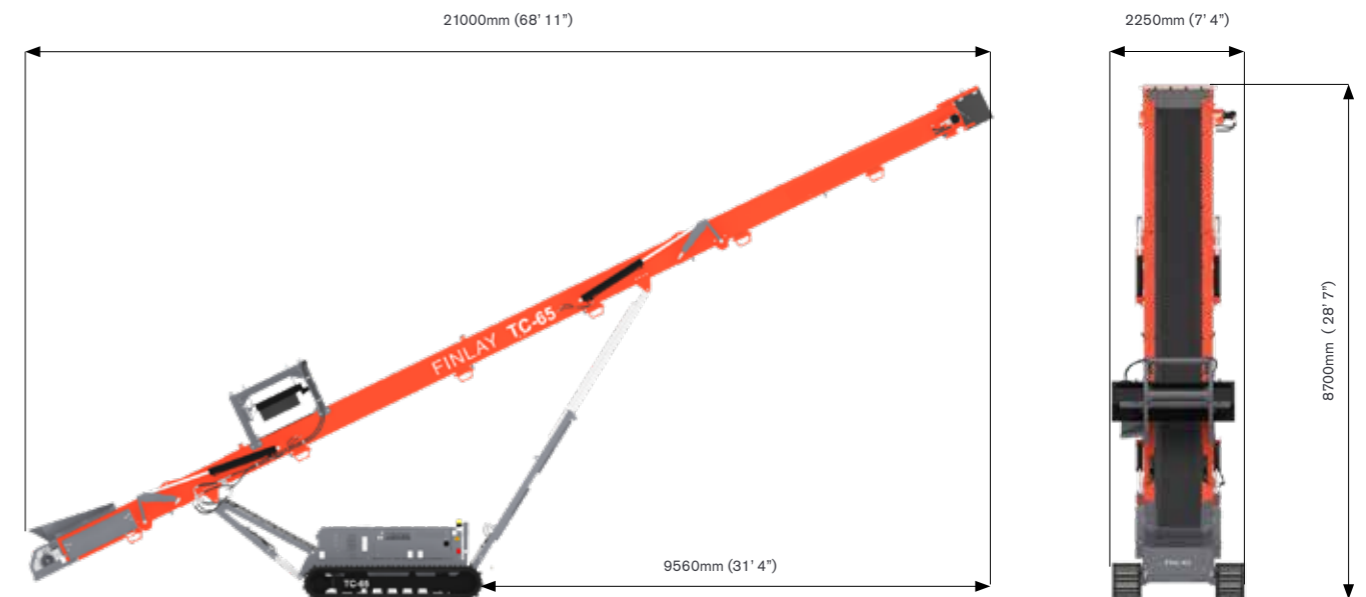
#### OPTIONS EQUIPMENT

- Deutz TD 2.9 L04 45kW (60hp) Tier 4 Final Engine
- 6mm AR400 Steel Feedboot wear liners
- 20mm Rubber Feedboot wear Liners
- Feedboot Extension c/w Steel wear Liners
- Feedboot Extension c/w 20mm rubber wear Liners
- Feedboot Extension c/w 6mm AR400 Steel wear Liners
- Impact Bed at Feedboot area
- Impact Rollers at Feedboot area
- Large Capacity Biomass Hopper (including landing legs and full length impact bed)
- Blade type / Primary scraper
- Conveyor fitted with Chevron belt 3 ply x 4+2 covers
- Conveyor fitted with Heavy duty plain belt EP500 4 ply x 8+2 covers
- Conveyor Under Guarding up To 2.5 Meters @12 degree incline
- Conveyor Head drum Guarding
- Conveyor Dust covers
- Conveyor Water Dust Suppression (Spray bar only)
- Conveyor Full length skirting

- Powerunit c/w Hydraulic oil, Century 100 - (Recommended for ambient temperatures between +15 to +50°C)
- Radio remote control system for crawler tracks
- Pull cord emergency stop to control panel side
- Special paint colour (if different from above). RAL must be specified on order
- Overband magnet option complete with hydraulic kit and support frame



#### OPERATING MODE



Transport	
Width	2250mm (7' 4")
Height	2530mm (8' 4")
Length	1130mm (37')
Weight	12,750kg (28,109lbs)

## STANDARD SPECIFICATION

### TRACKED CONVEYOR TC-80

#### CONVEYOR

- Conveyor Length: 23.5m 77'
- Belt Width: 1050mm 42"
- Conveyor Drive: Hydraulic 800cc
- Discharge Height @ 24° 9.95m 32'8"
- Stockpile Capacity @ 24 = 1806m³ / 2360yd³ @ 37° angle of repose
- Max Discharge Height @ 25° 10.1m 33'2"
- Capacity: Up to 500 +TPH
- Hydraulic Folding Head Section
- Belt Type: EP400 3 Ply 4+2
- Polyurethane tensioned belt cleaner
- Hydraulic feed in height adjustment
- Hydraulic fold over for Transport
- Hydraulic conveyor angle adjustment
- 40 degree rollers
- Variable speed control
- Feedboot with removable 6mm steel wear liners

#### POWERUNIT

- Diesel Hydraulic
- Engine (Tier 3) Deutz D2011 L04I - 36.4kW (45hp)
- Engine (Tier 4 Final) Deutz TD 2.9 L04 45kW (60hp)
- Fuel Tank Volume 200 Litres
- Hydraulic Oil Cooler Standard

#### CHASSIS

- Tracks: 4.0m centres x 400mm shoe
- 2 Speed Track Motor
- Lower Speed 0.9Km/h
- Higher Speed 1.6Km/h

#### GENERAL

- Pinless deployment
- Heavy duty undercarriage unit with 400mm wide tracks
- External conveyor belt adjustment
- Engine prestart delay & siren
- Low level greasing
- Emergency stops (3 No. )
- Machine Painted Finlay Orange
- Safety guards in compliance with machinery directive

#### OPTIONS EQUIPMENT

- Deutz TD 2.9 L04 45kW (60hp) Tier 4 Final Engine
- 6mm AR400 Steel Feedboot wear Liners
- 20mm Rubber Feedboot wear Liners
- Feedboot Extension c/w Steel wear Liners
- Feedboot Extension c/w 20mm rubber wear Liners
- Feedboot Extension c/w 6mm AR400 Steel wear Liners
- Impact Bed at Feedboot area
- Impact Rollers at Feedboot area
- Large Capacity Biomass Hopper (including landing legs and full length impact bed )
- Blade type / Primary scraper
- Conveyor fitted with Chevron belt 3 ply x 4+2 covers
- Conveyor fitted with Heavy duty plain belt EP500 4 ply x 8+2 covers
- Conveyor Under Guarding up To 2.5 Meters @ 12 degree incline
- Conveyor Head drum Guarding
- Conveyor Dust covers
- Conveyor Water Dust Suppression (Spray bar only)
- Conveyor Full length skirting
- Powerunit c/w Hydraulic oil, Century 100 - (Recommended for ambient temperatures between +15 to +50°C)
- Radio remote control system for crawler tracks
- Pull cord emergency stop
- Special paint colour (if different from above). RAL must be specified on order
- Overband magnet option complete with hydraulic kit and support frame



#### OPERATING MODE



Transport	
Width	2250mm (7' 4")
Height	2540 mm (8' 4")
Length	11880 mm (38' 11")
Weight	16,000Kg (35,274lbs)

# TC-100

# TC-100

## STANDARD SPECIFICATION

### TRACKED CONVEYOR TC-100

#### CONVEYOR

- Conveyor Length: 30m
- Belt Width: 1050mm
- Conveyor Drive: Variable speed Max 175m/min
- Discharge Height @ 18°: 10.5m
- Max Discharge Height @ 25°: 13.5m
- Capacity: Up to 600+ TPH
- Hydraulic Folding Head Section
- Belt Type: EP400 3 Ply 4+2
- Polyurethane tensioned belt cleaner
- Stockpile capacity at 18° based on 37° angle of repose: 2135m³
- Max. stockpile capacity based on 37° angle of repose: 5390m³
- Hydraulic feed in height adjustment
- Hydraulic fold over for transport
- Rosta scraper

#### FEEDBOOT

- Standard Feedboot Capacity: 0.6 m³
- Feed in Width: 1300mm
- Extended Feedboot Capacity: 1.6m³
- Feed in Width: 1850mm
- Min Feed Height: 1800mm

#### POWERUNIT

- Engine (Tier 3) Stage 3A CAT 4.4 - 4 cylinder diesel engine developing 83kw (111hp) @1800rpm
- Tier 4: Tier 4F / Stage IV - Caterpillar C4.4 - 4 cylinder diesel engine developing 82kW (110 Hp) @ 1800 RPM
- Fuel Tank Volume 220 litres

#### CHASSIS

- Undercarriage with tracks. 4100mm centers, 400mm shoe
- Standard Front stabilizing bar

#### ELECTRICAL

- Hand held track control set with connection lead
- Emergency stops x 2
- Radio remote control system for crawler tracks

#### GENERAL

- Pinless deployment
- Discharge head drum bearing automatic greasing cartridge
- Low level greasing
- Machine Painted Finlay Orange

#### PACKAGING

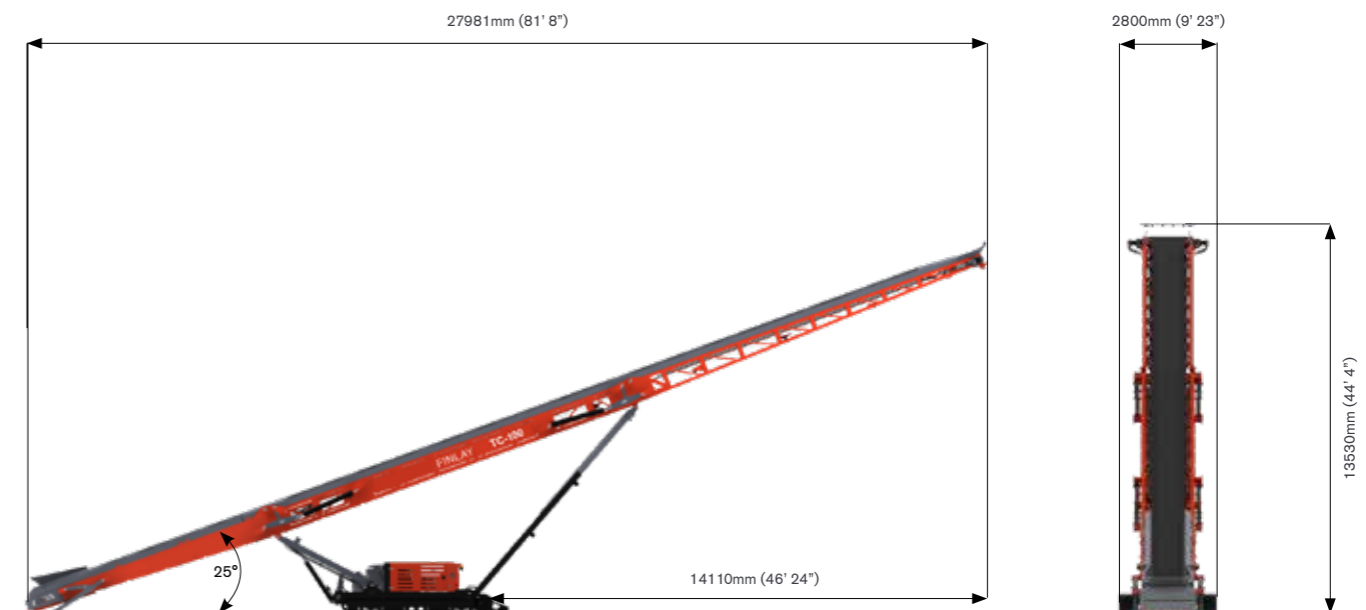
- Roll on Roll off transport (RoRo)
- Containerisation, packed into 40ft high cube containers

#### OPTIONS

- 6mm removable wearplate liners
- 20mm rubber wear feedboot liners
- Feedboot extension complete with steel liners
- Feedboot extension complete with 20mm rubber liners
- Impact bed at feedboot area
- Impact rollers at feedboot area
- Full length Side skirting along main conveyor
- High spec discharge conveyor head drum scraper
- Conveyor head drum guarding
- Discharge Conveyor Underguard option Length of Mid section
- Dust Suppression at Conveyor head drum (spray bar only)
- Pull Cord emergency stop running length of conveyor
- Canvas dust covers
- Conveyor twin drive motors



#### OPERATING MODE



Transport	
Width	2800mm (9' 4")
Height	3000mm (9' 9")
Length	19500mm (64' 2")*

\* Transport with tail unfolded

## STANDARD SPECIFICATION

### TRACKED FEEDER TC-75H

#### DISCHARGE CONVEYOR

- Conveyor Length: 22.6m 75'
- Belt Width: 1200mm 48"
- Conveyor Drive: Variable speed  
Max 110m/min
- Belt Type: EP400 3 Ply 4+2
- Optimum working angle: 18°
- Optimum discharge height: 8.0m
- Stockpile capacity at optimum working angle based on 37° angle of repose: 944m³
- Max. working angle: 24°
- Max. discharge height: 9.8m 32' 2"
- Max. stockpile capacity based on 37° angle of repose: 1735m³
- Capacity: Up to 600+ TPH  
Based on 100mm Lump size at 18° work angle. Max belt speed.
- Hydraulic discharge height adjustment
- Hydraulic fold over for transport
- Rosta scraper at head drum

#### FEED CONVEYOR

- Capacity: 8m³ (10.5yd³)
- Feed in Height: 2545mm
- Feed in Width: 4088mm
- Drive: hydraulic variable speed drive via high torque gearbox
- Speed: 0 – 25MPM (83ft / min)
- Wearplate Hopper (No Liners)
- Rosta scraper at head drum

#### POWERUNIT

- Engine (Tier 3) Stage 3A CAT 4.4 - 4 cylinder diesel engine developing 83kw (111hp) @1800rpm
- Tier 4: Tier 4F / Stage IV - Caterpillar C4.4 - 4 cylinder diesel engine developing 82kW (110 Hp) @ 1800 RPM
- Fuel Tank Volume 325 Litres

#### CHASSIS

- Undercarriage with tracks. 4300mm centers, 400mm shoe

#### ELECTRICAL

- Hand held track control set with connection lead
- Emergency stops x 3



#### GENERAL

- Pinless deployment
- Discharge head drum bearing automatic greasing cartridge
- Engine prestart delay & siren
- External conveyor belt adjustment
- Machine Painted Finlay Orange

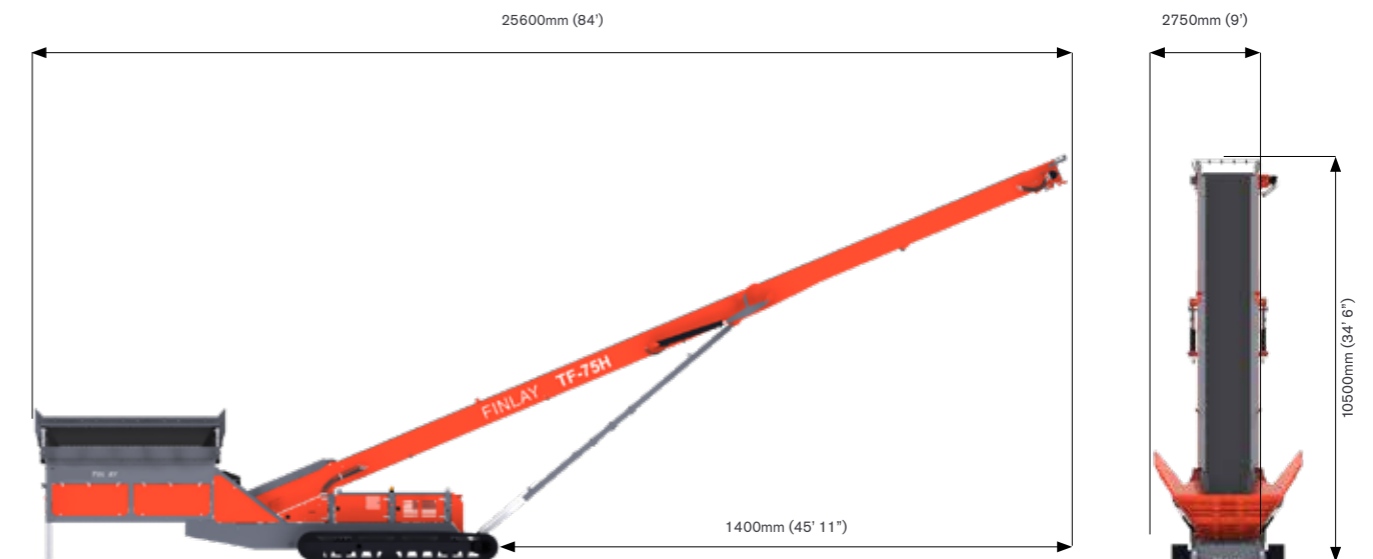
#### PACKAGING

- Roll on Roll off transport (RoRo)
- Containerisation, packed into 40ft high cube containers

#### OPTIONS

- Canvas dust covers on discharge conveyor
- Canvas dust covers complete with dust hood on discharge conveyor
- Twin drive discharge conveyor
- Full length side skirting along discharge conveyor
- High spec discharge conveyor head drum scraper
- Anti-roll back flaps
- Discharge belt upgraded to 3ply heavy duty belt
- Discharge conveyor drive drum upgraded to ceramic lagging
- Discharge conveyor underguard option length of mid section
- Dust suppression at discharge conveyor head drum
- Belt weigher option
- Overband magnet at feedboot of discharge conveyor
- Radio remote to start / stop feeder, raise / lower discharge
- Pull Cord E-stop running length of discharge Conveyor
- Radio remote to Track machine
- Feedboot lined 6mm wearplate
- Twin drive feed conveyor
- 4" or 6" tipping grid fitted to feed conveyor

#### OPERATING MODE



Transport	
Width	2750mm (9')
Height	3120mm (10' 2")
Length	19500mm (63')

# TF-75L

## STANDARD SPECIFICATION

### TRACKED FEEDER TF-75L

#### DISCHARGE CONVEYOR

- Conveyor Length: 22.6m 75'
- Belt Width: 1200mm 48"
- Conveyor Drive: Variable speed  
Max 110m/min
- Belt Type: EP400 3 ply, 4 + 2 plain belt
- Optimum working angle: 18°
- Optimum discharge height: 8.0m
- Stockpile capacity at optimum working angle based on 37° angle of repose: 944m³
- Max. working angle: 24°
- Max. discharge height: 9.8m 32' 2"
- Stockpile capacity based on 37° angle of repose: 1735m³
- Capacity: up to 600TPH  
Based on 100mm Lump size at 18° work angle. Max belt speed.
- Hydraulic discharge height adjustment
- Hydraulic fold over for transport
- Rosta scraper at head drum

#### FEED CONVEYOR

- Capacity: 7m³ (9.2yds³)
- Feed in Height: 2545mm
- Feed in Width: 3500mm
- Drive: hydraulic variable speed drive via high torque gearbox
- Speed: 0 – 25MPM (83ft / min)
- Wearplate Hopper
- Hydraulic adjustable jacking legs mounted under hopper side to support weight
- Rosta scraper at head drum

#### POWERUNIT

- Engine (Tier 3) Stage 3A CAT 4.4 - 4 cylinder diesel engine developing 83kw (111hp) @1800rpm
- Engine (Tier 4) Tier 4F / Stage IV - Caterpillar C4.4 - 4 cylinder diesel engine developing 82kW (110 Hp) @ 1800 RPM
- Fuel Tank Volume 325 Litres

#### CHASSIS

- Undercarriage with tracks. 4300mm centers, 400mm shoe

#### ELECTRICAL

- Hand held track control set with connection lead
- Emergency stops x 3



# TF-75L

#### GENERAL

- Pinless deployment
- Discharge head drum bearing automatic greasing cartridge
- Engine prestart delay & siren
- External conveyor belt adjustment
- Machine Painted Finlay Orange

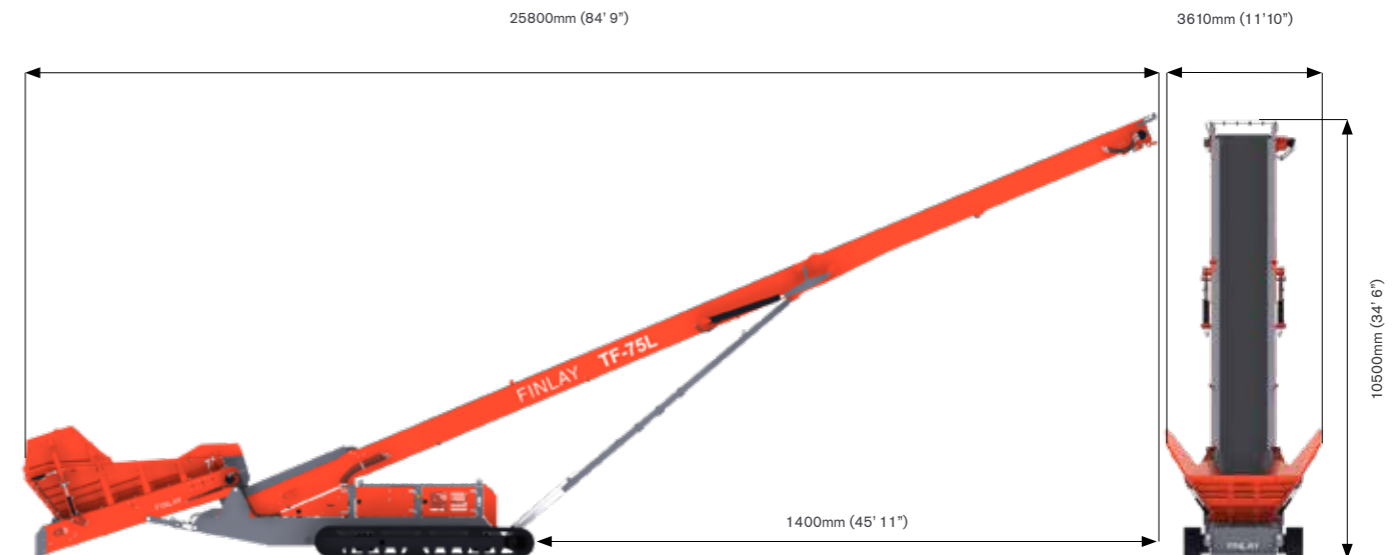
#### PACKAGING

- Roll on Roll off transport (RoRo)
- Containerisation, packed into 40ft high cube containers

#### OPTIONS

- Canvas dust covers on discharge conveyor
- Canvas dust covers complete with dust hood on discharge conveyor
- Twin drive discharge conveyor
- Full length side skirting along discharge conveyor
- High spec discharge conveyor head drum scraper
- Anti-roll back flaps
- Discharge belt upgraded to 3ply heavy duty belt
- Discharge conveyor drive drum upgraded to ceramic lagging
- Discharge conveyor underguard option length of mid section
- Dust suppression at discharge conveyor head drum
- Belt weigher option
- Overband magnet at feedboot of discharge conveyor
- Radio remote to start / stop feeder, raise / lower discharge
- Pull Cord E-stop running length of discharge Conveyor
- Radio remote to Track machine
- Feedboot lined 6mm wearplate
- Twin drive feed conveyor
- Manual adjusting jacking legs at tail side of feeder to adjust tail height
- Feed conveyor drive drum upgraded to ceramic lagging
- Hopper lined 6mm wearplate
- Hopper flares lined 6mm wearplate
- Mild steel liners bolted into hopper

#### OPERATING MODE



Transport	
Width	2750mm (9')
Height	3000mm (10')
Length	19600mm (64' 4")

## STANDARD SPECIFICATION

### TRACKED FEEDER TR-75

#### DISCHARGE CONVEYOR

- Conveyor Length: 22.9m 75'
- Belt Width: 1050mm 42"
- Conveyor Drive: Twin Speed  
Variable speed  
Max 108m/min
- Belt Type: EP400 3 ply, 4 + 2 plain belt

- Optimum working angle: 18°
- Optimum discharge height: 9.0m 29' 6"
- Max. Stockpile capacity - Conical: 1344m<sup>3</sup>
- Max. Stockpile Capacity – 135° Kidney Bean: 6764m<sup>3</sup>

#### MAX. WORKING ANGLE: 23°

- Max. discharge height: 10.9m 34' 9"
- Max. stockpile capacity - Conical: 2388m<sup>3</sup>
- Max Stockpile Capacity – 135° Kidney Bean: 10040m<sup>3</sup>

- Capacity: up to 600tph.  
Based on 100mm Lump size at 18° work angle. Max belt speed.
- Hydraulic discharge height adjustment
- Hydraulic fold over for transport
- Spring mounted poly blade head drum scraper

#### FEEDBOOT

- Standard Feedboot Capacity: 0.6 m<sup>3</sup>
- Feed in Width: 1300mm
- Min Feed height: 2400mm
- Extended Feedboot Capacity: 1.6m<sup>3</sup>
- Feed in Width: 1850mm
- Min Feed Height: 2750mm

#### POWERUNIT

- Engine (Tier 3) Stage 3A CAT 4.4  
- 4 cylinder diesel engine developing 83kw (111hp) @1800rpm
- Engine (Tier 4) Tier 4F / Stage IV - Caterpillar C4.4  
- 4 cylinder diesel engine developing 82kW (110 Hp) @ 1800 RPM
- Fuel Tank Volume 180 Litres

#### CHASSIS

- Crawler tracks with pendant control system (NOT radio controlled)
- Speed: single speed tracking
- Single radial wheel drive
- Tracks 1800mm centers, 400mm shoe.

#### ELECTRICAL

- Hand held track control set with connection lead
- Emergency stops x 2
- Engine prestart delay & siren
- Radio remote control system for crawler tracks



# FINLAY

#### GENERAL

- Pinless deployment
- Discharge head drum bearing automatic greasing cartridge
- Low level greasing
- Machine Painted Finlay Orange

#### PACKAGING

- Roll on Roll off transport (RoRo)
- Containerisation, packed into 40ft high cube containers

#### OPTIONS

- Canvas dust covers on discharge conveyor
- Canvas dust covers complete with dust hood on discharge conveyor
- Full length side skirting along discharge conveyor
- High spec discharge conveyor head drum scraper
- Anti-roll back flaps
- Discharge belt upgraded to 3ply heavy duty belt
- Discharge conveyor underguard option length of mid section
- Dust suppression at discharge conveyor head drum
- Belt weigher option
- Radio remote to start / stop feeder, raise / lower discharge
- Pull Cord E-stop running length of discharge Conveyor
- Radio remote to Track machine
- Telemetry
- Feedboot lined 6mm wearplate
- Extended feet boot lined 6mm wearplate
- Hopper flares lined 6mm wearplate
- Twin radial wheel drive

#### OPERATING MODE



Transport	
Width	2250mm (7'5")
Height	3000mm (10')
Length	15600mm (51' 3")

# BELL

**Onboard Crusher/Screener Conveyor Stockpile Capacity vs**

**Installing a Longer Separate Tracked Conveyor**



Crusher / Screener Onboard Conveyor Capacity						
S'pile Height (m)	S'pile Height (ft)	S'pile Dia (m)	S'pile Dia (ft)	Radial Slew Angle (deg)	Stockpile Volume (m3)	S'pile Volume (yd3)

Throughput											
50	100	150	200	250	300	350	400	450	500	550	600
55	110	165	220	275	330	385	440	495	550	605	660
Time to Reach Conveyor Stockpile Capacity Before Loading Shovel is Required (Days:Hrs:Mins)											
0:00:28	0:00:14	0:00:09	0:00:07	0:00:05	0:00:04	0:00:04	0:00:03	0:00:03	0:00:02	0:00:02	0:00:02
0:00:32	0:00:16	0:00:10	0:00:08	0:00:06	0:00:05	0:00:04	0:00:04	0:00:03	0:00:03	0:00:02	0:00:02
0:00:43	0:00:21	0:00:14	0:00:10	0:00:08	0:00:07	0:00:06	0:00:05	0:00:04	0:00:04	0:00:03	0:00:03
0:00:48	0:00:24	0:00:16	0:00:12	0:00:09	0:00:08	0:00:07	0:00:06	0:00:05	0:00:04	0:00:04	0:00:04
0:00:55	0:00:27	0:00:18	0:00:13	0:00:11	0:00:09	0:00:07	0:00:06	0:00:06	0:00:05	0:00:05	0:00:04
0:01:02	0:00:31	0:00:20	0:00:15	0:00:12	0:00:10	0:00:08	0:00:07	0:00:06	0:00:06	0:00:05	0:00:05
0:01:09	0:00:34	0:00:23	0:00:17	0:00:13	0:00:11	0:00:09	0:00:08	0:00:07	0:00:06	0:00:06	0:00:05
0:01:17	0:00:38	0:00:25	0:00:19	0:00:15	0:00:12	0:00:11	0:00:09	0:00:08	0:00:07	0:00:07	0:00:06
0:01:26	0:00:43	0:00:28	0:00:21	0:00:17	0:00:14	0:00:12	0:00:10	0:00:09	0:00:08	0:00:07	0:00:07
0:01:35	0:00:47	0:00:31	0:00:23	0:00:19	0:00:15	0:00:13	0:00:11	0:00:10	0:00:09	0:00:08	0:00:07
0:01:45	0:00:52	0:00:35	0:00:26	0:00:21	0:00:17	0:00:15	0:00:13	0:00:11	0:00:10	0:00:09	0:00:08
0:01:56	0:00:58	0:00:38	0:00:29	0:00:23	0:00:19	0:00:16	0:00:14	0:00:12	0:00:11	0:00:10	0:00:09
0:02:07	0:01:03	0:00:42	0:00:31	0:00:25	0:00:21	0:00:18	0:00:15	0:00:14	0:00:12	0:00:11	0:00:10
0:02:19	0:01:09	0:00:46	0:00:34	0:00:27	0:00:23	0:00:19	<b>0:00:17</b>	0:00:15	0:00:13	0:00:12	0:00:11
0:02:31	0:01:15	0:00:50	0:00:37	0:00:30	0:00:25	0:00:21	0:00:18	0:00:16	0:00:15	0:00:13	0:00:12
0:02:45	0:01:22	0:00:55	0:00:41	0:00:33	0:00:27	0:00:23	0:00:20	0:00:18	0:00:16	0:00:15	0:00:13
0:02:59	0:01:29	0:00:59	0:00:44	0:00:35	0:00:29	0:00:25	0:00:22	0:00:19	0:00:17	0:00:16	0:00:14
0:03:14	0:01:37	0:01:04	0:00:48	0:00:38	0:00:32	0:00:27	0:00:24	0:00:21	0:00:19	0:00:17	0:00:16
0:03:30	0:01:45	0:01:10	0:00:52	0:00:42	0:00:35	0:00:30	0:00:26	0:00:23	0:00:21	0:00:19	0:00:17
0:03:46	0:01:53	0:01:15	0:00:56	0:00:45	0:00:37	0:00:32	0:00:28	0:00:25	0:00:22	0:00:20	0:00:18
0:04:04	0:02:02	0:01:21	0:01:01	0:00:48	0:00:40	0:00:34	0:00:30	0:00:27	0:00:24	0:00:22	0:00:20
0:04:22	0:02:11	0:01:27	0:01:05	0:00:52	0:00:43	0:00:37	0:00:32	0:00:29	0:00:26	0:00:23	0:00:21
0:04:41	0:02:20	0:01:33	0:01:10	0:00:56	0:00:46	0:00:40	0:00:35	0:00:31	0:00:28	0:00:25	0:00:23
0:05:01	0:02:30	0:01:40	0:01:15	0:01:00	0:00:50	0:00:43	0:00:37	0:00:33	0:00:30	0:00:27	0:00:25
0:05:22	0:02:41	0:01:47	0:01:20	0:01:04	0:00:53	0:00:46	0:00:40	0:00:35	0:00:32	0:00:29	0:00:26

Cross reference your specific model's Throughput & Discharge Heights to confirm the stockpiling time possible before a loading shovel needs to clear it

Throughputs are shown between 50-600mtp in 50mtp intervals

Discharge Height are shown between 2.5m-4.5m



**Example**

- I-140 working alone vs I-140 working with a TC80 or TC100 @ constant 400mtp
- I-140 discharge height of 3.4m will operate for **17 mins** before stockpile must be cleared by the loading shovel
- Adding a TC80 (illustrated below) @ 24 degrees with 9.93m discharge height increases this to **7 hrs 13 mins**
- Adding a TC100 @ 24 degrees with 12.50m discharge height increases this to **14 hrs 24 mins**

HL75 / LL75 (Feeders) @24°	9.80	32.15	26.01	85.33	-	1736	2270
TC65 @24°	9.13	29.95	24.23	79.50	-	1403	1836
TC80 @24°	9.93	32.58	26.36	86.47	-	1806	2362
TC100 @24°	12.50	41.01	33.18	108.85	-	3602	4711
TR75 @23° & 0-30°	10.54	34.58	27.97	91.78	30	3780	4945
TR75 @23° & 0-60°	10.54	34.58	27.97	91.78	60	5401	7065
TR75 @23° & 0-90°	10.54	34.58	27.97	91.78	90	7022	9185
TR75 @23° & 0-120°	10.54	34.58	27.97	91.78	120	8643	11305
TR75 @23° & 0-150°	10.54	34.58	27.97	91.78	150	10264	13425
TR75 @23° & 0-180°	10.54	34.58	27.97	91.78	180	11885	15545
TR75 @23° & 0-230°	10.54	34.58	27.97	91.78	230	14587	19079
TR75 @23° & 0-270°	10.54	34.58	27.97	91.78	270	16748	21906

2:07:32	1:03:46	0:18:30	0:13:53	0:11:06	0:09:15	0:07:56	0:06:56	0:06:10	0:05:33	0:05:02	0:04:37
1:20:54	0:22:27	0:14:58	0:11:13	0:08:58	0:07:29	0:06:24	0:05:36	0:04:59	0:04:29	0:04:04	0:03:44
2:09:46	1:04:53	0:19:15	0:14:26	0:11:33	0:09:37	0:08:15	<b>0:07:13</b>	0:06:25	0:05:46	0:05:15	0:04:48
4:19:15	2:09:37	1:14:25	1:04:48	0:23:03	0:19:12	0:16:27	<b>0:14:24</b>	0:12:48	0:11:31	0:10:28	0:09:36
5:00:58	2:12:29	1:16:19	1:06:14	1:00:11	0:20:09	0:17:16	0:15:07	0:13:26	0:12:05	0:10:59	0:10:04
7:04:50	3:14:25	2:09:36	1:19:12	1:10:34	1:04:48	1:00:41	0:21:36	0:19:12	0:17:17	0:15:42	0:14:24
9:08:42	4:16:21	3:02:54	2:08:10	1:20:56	1:13:27	1:08:06	1:04:05	1:00:58	0:22:28	0:20:25	0:18:43
11:12:35	5:18:17	3:20:11	2:21:08	2:07:19	1:22:05	1:15:30	1:10:34	1:06:43	1:03:39	1:01:08	0:23:02
13:16:27	6:20:13	4:13:29	3:10:06	2:17:41	2:06:44	1:22:55	1:17:03	1:12:29	1:08:50	1:05:51	1:03:22
15:20:19	7:22:09	5:06:46	3:23:04	3:04:03	2:15:23	2:06:19	1:23:32	1:18:15	1:14:02	1:10:34	1:07:41
19:10:47	9:17:23	6:11:35	4:20:41	3:21:21	3:05:47	2:18:41	2:10:20	2:03:51	1:22:40	1:18:26	1:14:53
22:07:56	11:03:58	7:10:38	5:13:59	4:11:11	3:17:19	3:04:33	2:18:59	2:11:33	2:05:35	2:00:43	1:20:39



Stockpile Angle of Repose (deg)	37
Bulk Density (tonne/m3)	1.6

Note: Bulk Density & Stockpile Angle of Repose can be changed to suit specific applications

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