TECHNICAL
SPECIFICATION

EVOQUIP®
A TEREX BRAND



T-LINK
RECORD, DISPLAY
AND ANALYSE DATA

LLF75
ORBITAL FEEDER

LLF75 ORBITAL FEEDER

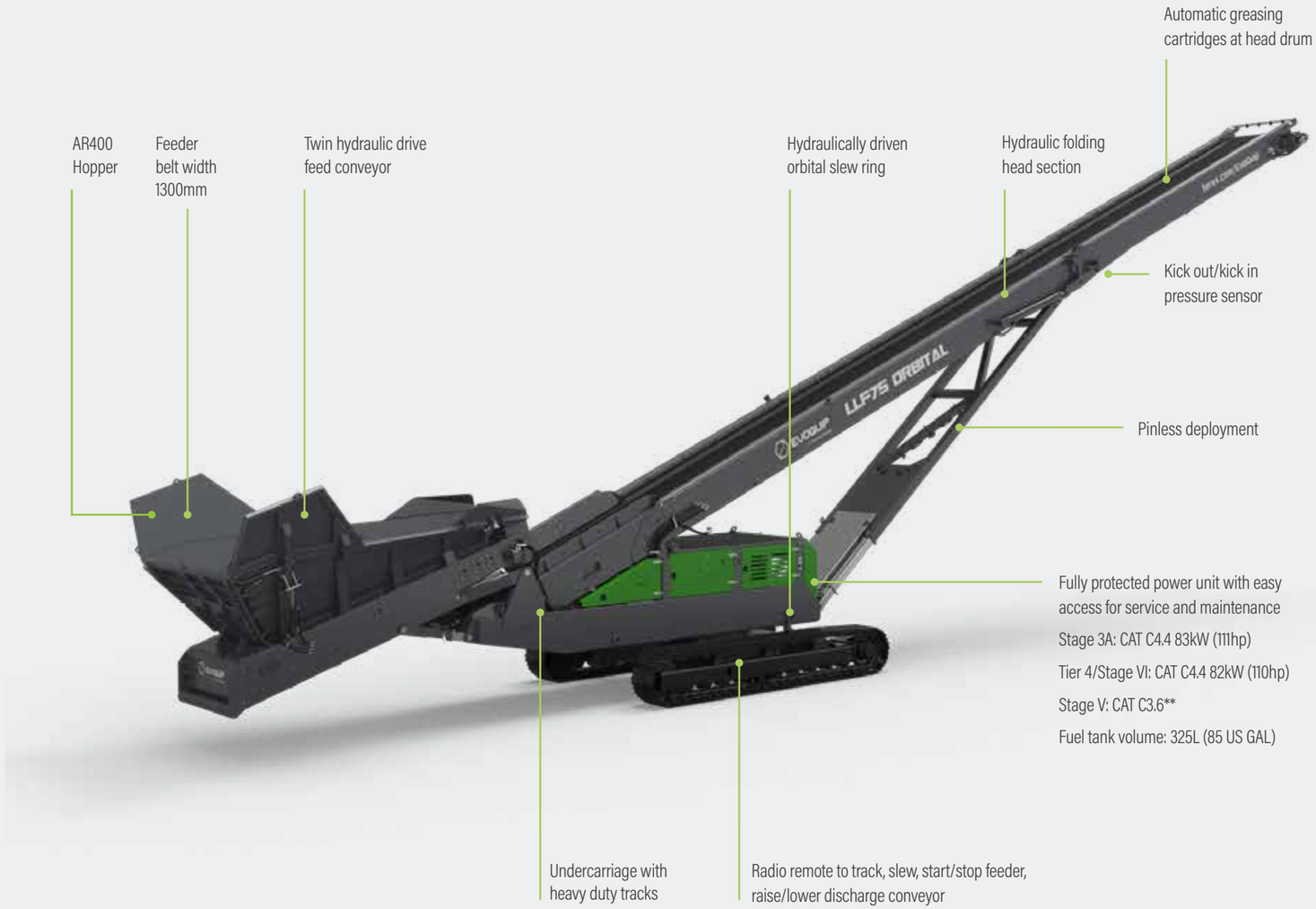
OVERVIEW

Total Weight	29,550kg (65,147lbs)	
Transport	Length	19.7m (64' 8")
	Height	3.63m (11' 11")
	Width	3.2m (10' 6")
Working @ 24º	Length	25.8m (84' 9")
	Height	10.9m (35' 9")
	Width	3.2m (10' 6")
Power Unit	Tier 3: CAT 4.4 83kW (111hp) or, Tier 4F: CAT 4.4 82kW (110hp) or, Stage V: CAT 3.6 82kW (110hp)	

NOTE: Dimensions may differ slightly from sales drawings due to differences in angles / reference points.

FEATURES & BENEFITS

- High capacity up to 600tph (661 US tph).
- Maximum feed size up to 150mm (6").
- Radio remote control to start / stop feeder, raise / lower conveyor, slew & track.
- 360 degree stockpiling capability - larger stockpile capacities without moving the machine.
- Transverse loading for Rail Cars and Barges.
- Eliminates the need for wheeled loaders to create stockpiles - reduces labour and maintenance costs.
- Eliminates the need for handling material multiple times - reduces labour and maintenance costs.
- Improved material quality due to reduced compaction, degradation, segregation and contamination.
- Can except loads from an excavator, wheeled loader, crusher or screener.
- Can be loaded from 3 sides, ensuring versatility.
- Rapid set up time and manoeuvrability around site.
- Low feed in height giving increased productivity and safety.
- Unrestricted discharge at front of hopper - ideal for bulky materials.
- Reduced fuel consumption due to reduced reliance on wheeled loaders.
- Reduced wear on wheeled loaders where a conveyor is utilised.
- Hydraulic discharge height adjustment.
- Hydraulic fold over for transport.
- Kick out sensor stops feeder if discharge belt is under extreme load.
- Pinless deployment.
- Discharge conveyor head drum bearing automatic greasing.
- External conveyor belt adjustment.
- Engine pre-start delay & siren.
- Emergency stops x 2.



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HOPPER

Target Area (Flares Down):	4.7m (15′ 5″) x 2.6m (8′ 6″)
Target Area (Flares Up):	4.7m (15′ 5″) x 3.49m (11′ 5″)
Capacity (With Flares):	7m³ (9.15 Cu.Yd.)
Feed In Height (Lowest Position):	2.44m (8′)



FEED CONVEYOR

Width:	1300mm (4′ 3″)
Belt Type:	Plain
Belt Spec:	EP400/3 4+2
Variable Speed:	Yes

DISCHARGE CONVEYOR

Width:	1200mm (48″)
Belt Centres:	22.5m (73′ 10″)
Belt Type:	Plain
Belt Spec:	EP400 3 4+2
Drive Drum Dia:	345mm (13.6″)
Tail Drum Dia:	320mm (12.6″)
Max Belt Speed:	113m/m
Motor Size:	630cc
Operating Angle:	5º - 24º
Discharge Height @18º:	8.8m (28′ 2″)
Stockpile Capacity @18º & 37º Angle of Repose:	1047m³ (1369 Cu.Yd)
Discharge Height @24º:	10.7m (34′ 6″)
Stockpile Capacity @24º & 37º Angle of Repose:	1957m³ (2560 Cu.Yd)
Variable Speed:	Yes

TRACKS

Shoe Width:	400mm (1′ 4″)
Sprocket Centre:	4300mm (14′ 1″)
Outer Width:	3200mm (10′ 6″)
Gradability:	45.9º
Speed:	0.6km/h
Speed High:	1.1km/h
Speed High:	68Lpm (Per track)



POWER UNIT & HYDRAULICS

Engine (Tier 3):	CAT C4.4
Power Rating:	83kW (111hp)
RPM:	1800rpm
Crankshaft Pump:	38/38/8

Engine (Tier 4F):	CAT C4.4
Power Rating:	82kW (110hp)
RPM:	1800rpm
Crankshaft Pump:	38/38/8

Engine (Stage V):	CAT C3.6
Power Rating:	82kW (110hp)
RPM:	1800rpm
Crankshaft Pump:	38/38/8

Diesel Tank Capacity:	325L (86 US GAL
Hydraulic Tank Capacity T3:	360L (95 US GAL)
Hydraulic Tank Capacity T4:	360L (95 US GAL)

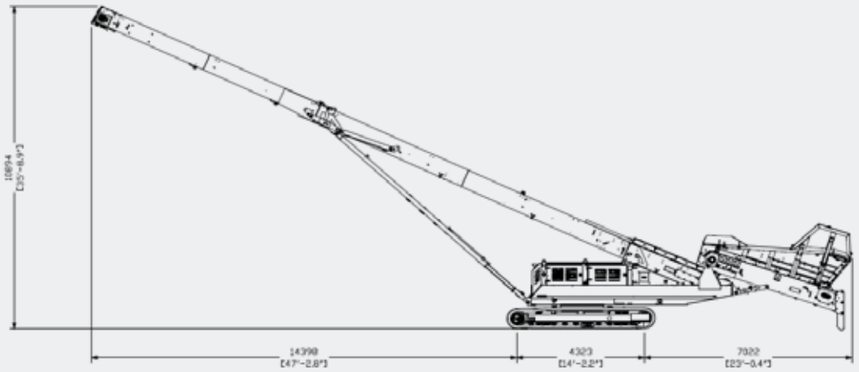


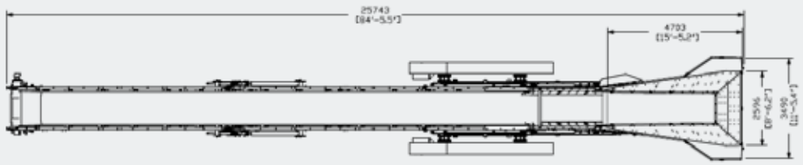
OPTIONS

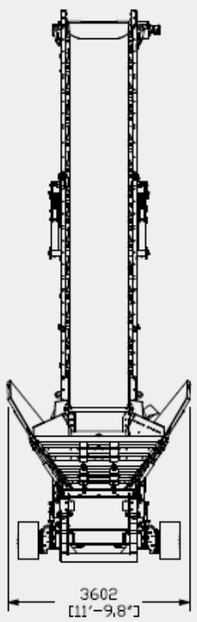
- Dust hood.
- Canvas dust covers complete with dust hood on discharge conveyor.
- Twin drive discharge conveyor (recommended to also select ceramic drive drum option).
- Full length skirting rubber along discharge conveyor.
- High spec head drum scraper on discharge conveyor (plain belt only).
- Anti-roll back flaps.
- Heavy duty plain belt EP500 4 ply x 8 + 2 covers
- Chevron belt EP315 3 ply x 3 + 1.5 covers.
- Ceramic lagging on discharge conveyor drive drum.
- Discharge conveyor under guard for mid-section.
- Dust suppression (spray bars only).
- Belt weigher.
- Overband magnet on discharge conveyor with hydraulic kit and support frames.
- Pull cord E-Stop running the length of the conveyor.
- 6mm mild steel liners bolted into hopper.
- 6mm AR400 steel wear liners in hopper.
- 6mm AR400 steel wear liners on hopper flares.
- Feedboot lined with 6mm AR400 wear plate.
- Manual adjusting jacking legs at tail side of feeder to adjust tail height.
- Ceramic lagging on feed conveyor drive drum.
- Grade ISO 68 hydraulic oil (recommended for ambient temperatures of +15 - +50 degrees Celsius).
- Grease lines to head drum.
- Larger capacity hopper.

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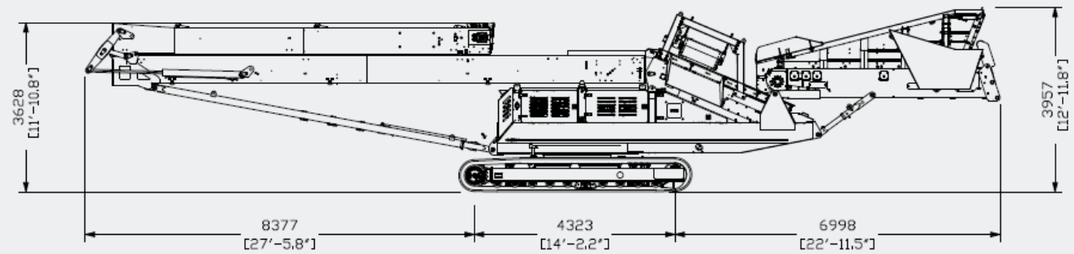
WORKING DIMENSIONS

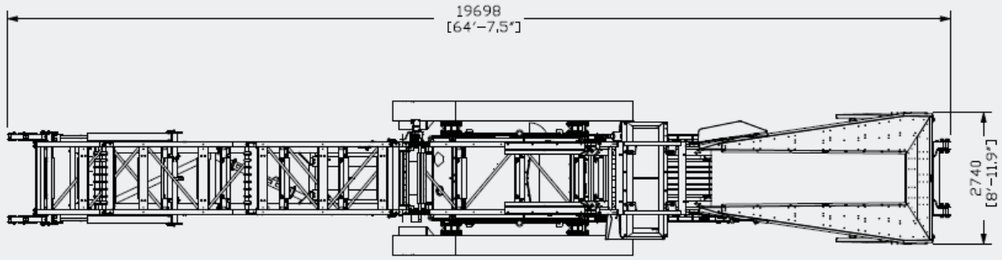


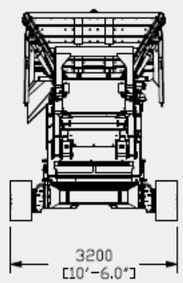




TRANSPORT DIMENSIONS









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