

**TECHNICAL
SPECIFICATION**



MF24L

ORBITAL FEEDER

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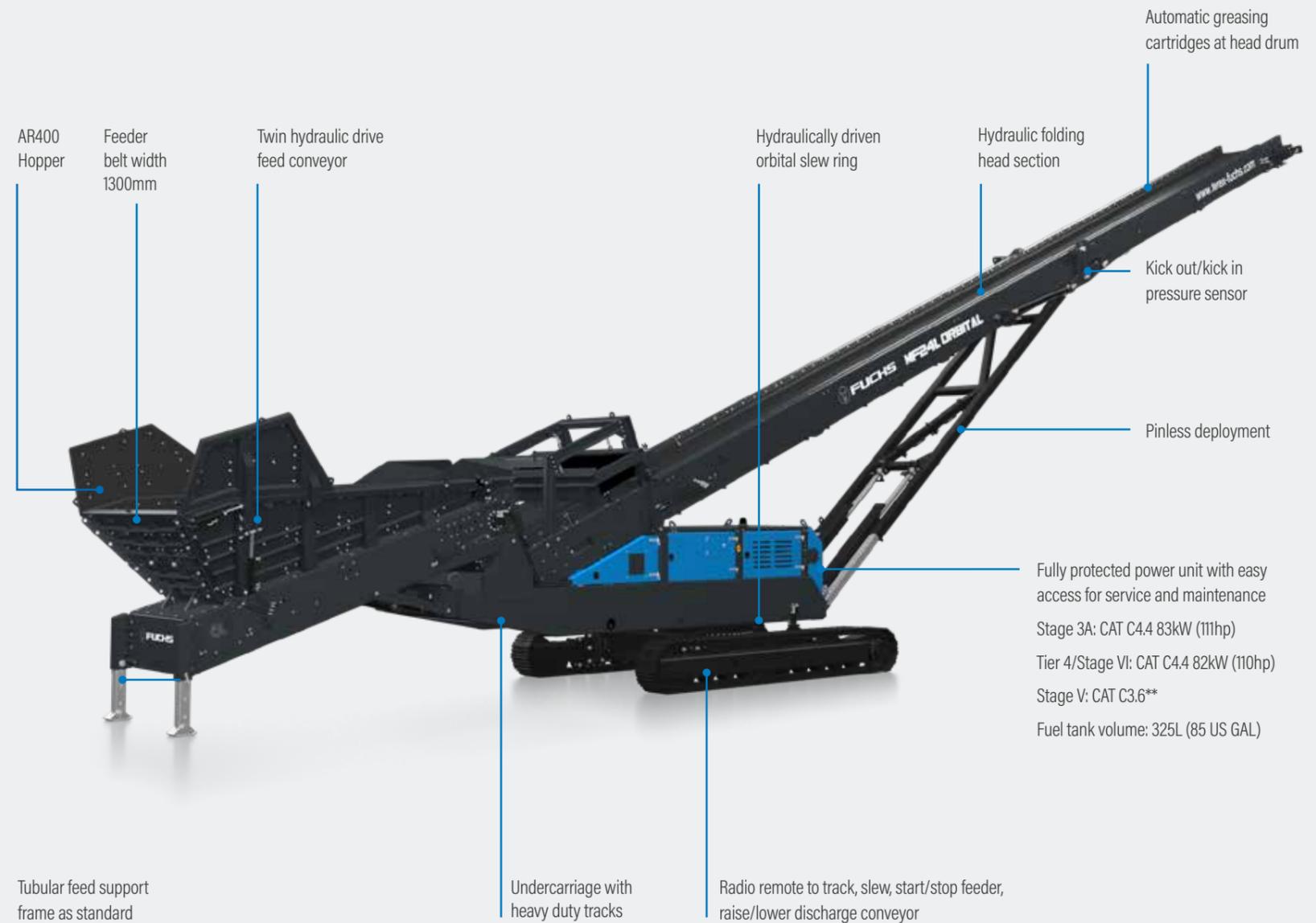
OVERVIEW

Total Weight	29,550kg (65,147lbs)	
Transport	Length	19.7m (64' 8")
	Height	3.63m (11' 11")
	Width	3.2m (10' 6")
Working @ 24°	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 accept 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.



(Shown with optional overband magnet)

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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):	7m ³ (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:	5° - 24°
Discharge Height @18°:	8.8m (28' 2")
Stockpile Capacity @18° & 37° Angle of Repose:	1047m ³ (1369 Cu.Yd)
Discharge Height @24°:	10.7m (34' 6")
Stockpile Capacity @24° & 37° Angle of Repose:	1957m ³ (2560 Cu.Yd)
Variable Speed:	Yes

TRACKS

Shoe Width:	400mm (1' 4")
Sprocket Centre:	4300mm (14' 1")
Outer Width:	3200mm (10' 6")
Gradability:	45.9°
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)

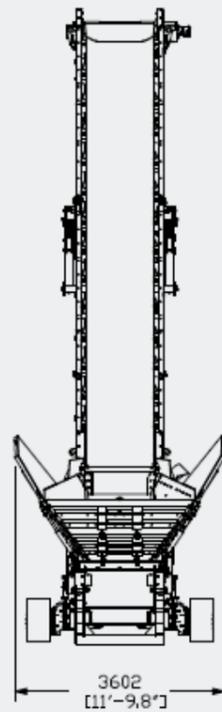
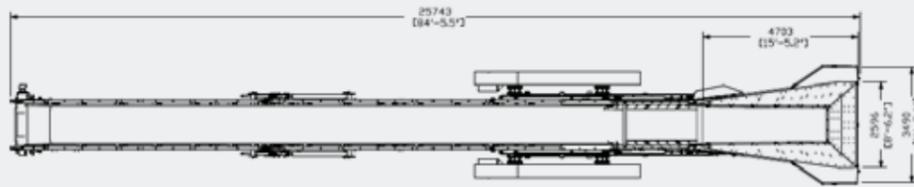
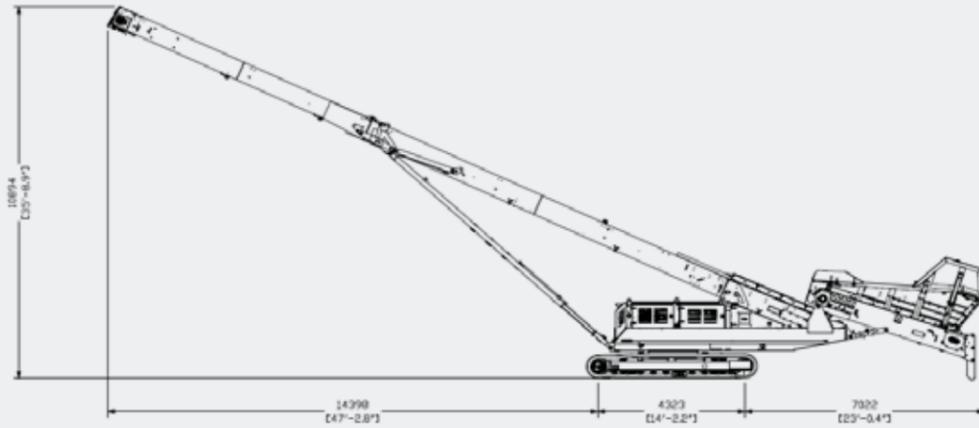
OPTIONS

- 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.

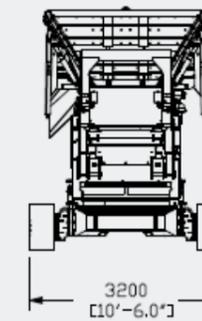
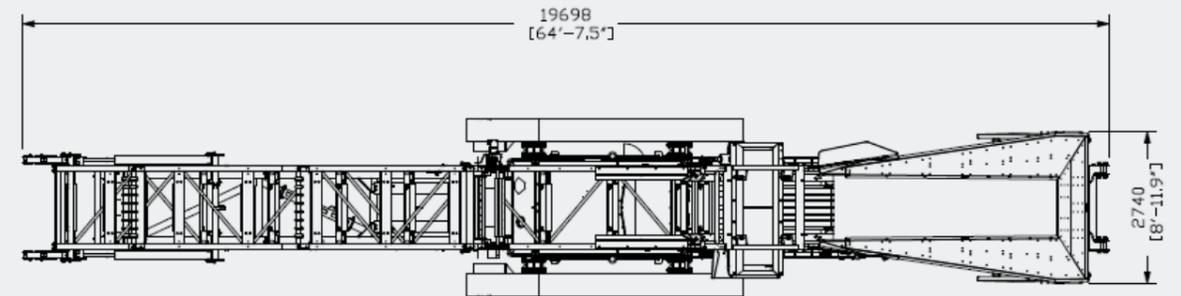
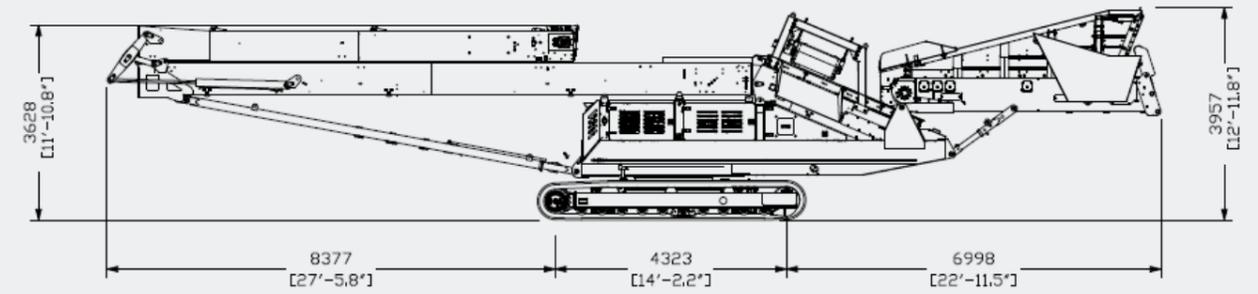


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WORKING DIMENSIONS



TRANSPORT DIMENSIONS





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