



HF 75 S

Orbital Feeder



REDUCED COST



SITE OPERATING
EFFICIENCY



ENVIRONMENTAL
CONSIDERATIONS



IMPROVE HEALTH
& SAFETY



PRODUCT
QUALITY

VARIANTS HF 75 S



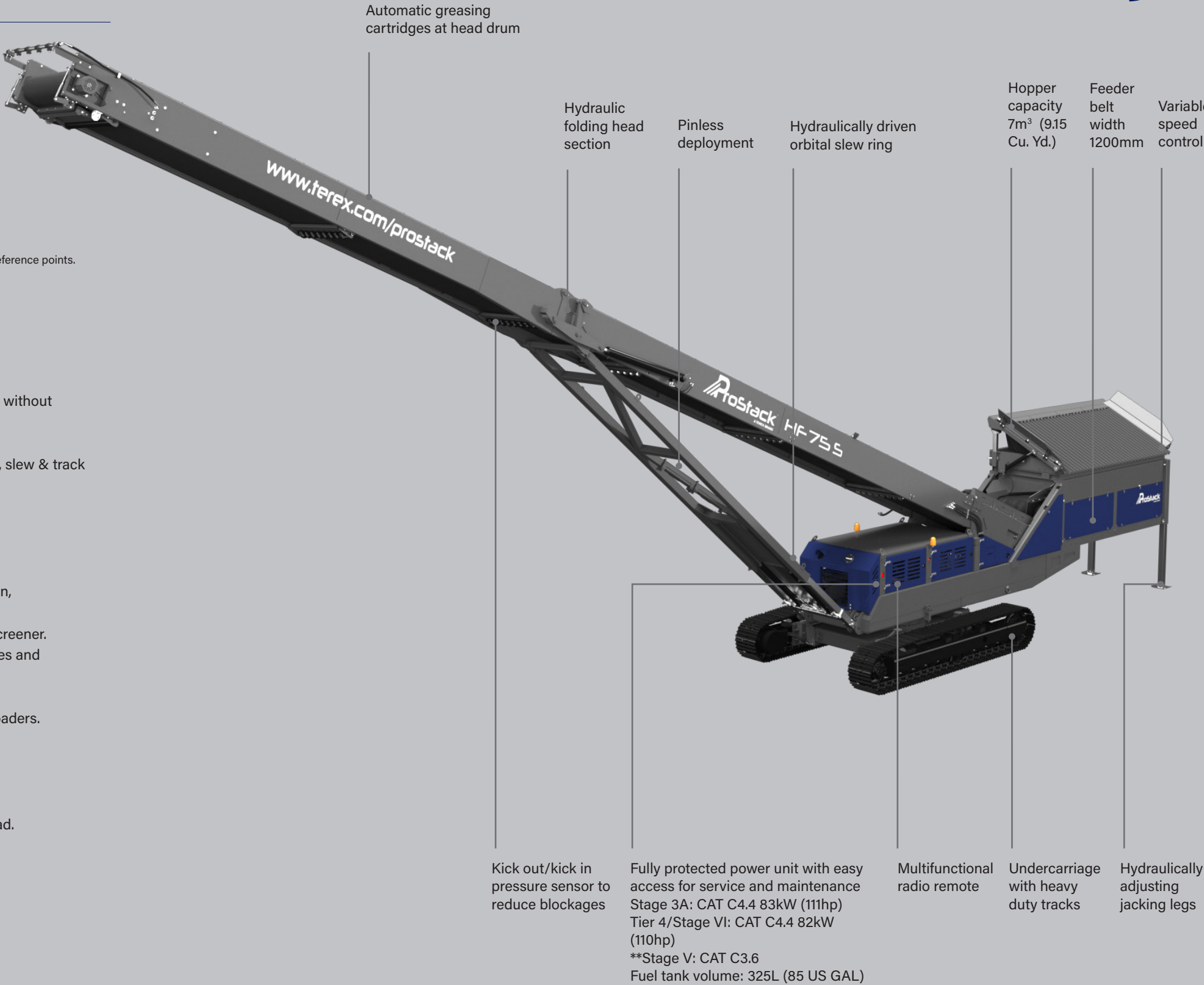
OVERVIEW

Total Weight	29,300kg (64,595lbs)
Transport	Length 19.5m (63')
	Height 3.63m (11' 11")
	Width 3.2m (10' 6")
Working @ 24°	Length 25.5m (83' 7")
	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").
- 360 degree stockpiling capability - increased stockpiling capacity without the need to move the machine.
- Transverse loading for rail cars and barges.
- Radio remote control to stop / start feeder, raise / lower conveyor, slew & track machine.
- 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.
- Multiple hopper options available depending on required capacities and operators loading methods or application.
- Rapid set up time and manoeuvrability around site.
- 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.
- Rosta scraper.
- 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 3.



Kick out/kick in pressure sensor to reduce blockages

Fully protected power unit with easy access for service and maintenance
Stage 3A: CAT C4.4 83kW (111hp)
Tier 4/Stage VI: CAT C4.4 82kW (110hp)
**Stage V: CAT C3.6
Fuel tank volume: 325L (85 US GAL)

Multifunctional radio remote

Undercarriage with heavy duty tracks

Hydraulically adjusting jacking legs

HF 75 S

HOPPER	
Grip Opening:	4750mm (15' 7") x 2150mm (7' 1")
Target Area (Without Grid):	4100mm (13' 5") x 1633mm (5' 5")
Grid Apertures:	108mm (4")
Optional Grid Apertures:	73mm (3"), 126mm (5"), 151mm (6")
Capacity (Tipping Grid Fitted):	7m³ (9.15 Cu.Yd.)
Capacity (No Tipping Grid Fitted):	6.4m³ (8.4 Cu.Yd.)
Feed In Height Without Tipping Grid:	3.06m (10')
Feed In Height With Tipping Grid:	3.75m (12' 4")

FEED CONVEYOR	
Width:	1200mm (48")
Belt Type:	Plain
Belt Spec:	EP400/3 4+2
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)

DISCHARGE CONVEYOR	
Width:	1200mm (48")
Belt Centres:	22.5m (73' 10")
Belt Type:	Plain
Belt Spec:	EP315 3 3+1.5
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:	1047m³ (1369 Cu.Yd)
Discharge Height @24°:	10.7m (34' 6")
Stockpile Capacity @24° & 37° Angle of Repose:	1957m³ (2560 Cu.Yd)
Variable Speed:	Yes



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)

DOUBLE DECK VIBRATING GRID	
Type of Grid:	3.1m x 2.45m (10' 2" x 8') 2 Deck Vibrating Grid
Target Area:	3.91m x 2.42m (12' 9" x 7' 11")
Grid Opening:	3.03m x 2.17m (9' 11" x 7' 1")
Top Deck Type:	Tapered Bofor Bar
Standard Aperture:	90mm tapering to 110m (4")
Optional Apertures:	110mm - 130mm (5")
Bottom Deck Type:	Woven steel mesh
Standard Aperture:	38mm (1.5")
Working Angle:	10° - 20°
Tip Angle:	45°
Rear Feed In Height:	4220mm (13' 10") @ 10° / 4750mm (15') @ 20°
Weight:	5500kg (12,125lbs)
Speed:	1050rpm
Throw:	4.5mm
G Force:	2.77G
Increase In Transport Height:	+744mm (2' 7")

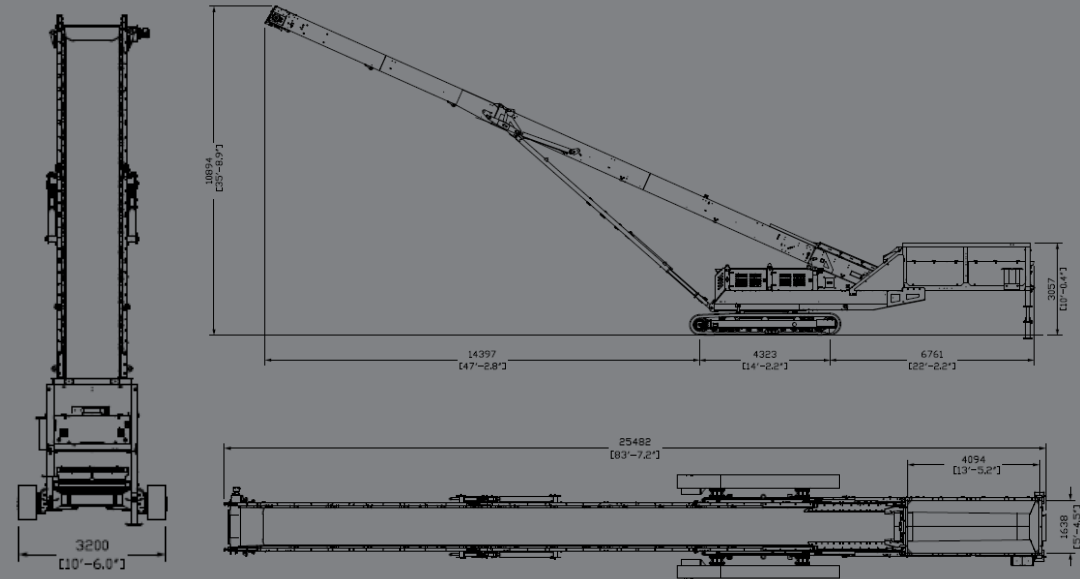
OPTIONS:
Dust hood
Canvas dust covers complete with dust hood on discharge conveyor
Twin drive discharge conveyor
Full length skirting rubber along discharge conveyor
High spec head drum scraper on discharge conveyor (plain belt only)
Anti-roll back flaps
Heavy duty plain belt EP500 4 ply x 8 + 2 covers
Chevron belt EP315 3 ply x 3 + 1.5 covers
Ceramic lagging on discharge conveyor drive drum (recommended if twin drive option is selected).
Ceramic lagging on feed 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.
Grease lines to head drum
Pull cord E-Stop running the length of the conveyor
6mm mild steel liners bolted into hopper
6mm AR400 steel wear liners in hopper
Feedboot lined with 6mm AR400 wear plate
Twin drive feed conveyor
4" or 6" tipping grid fitted to feed conveyor
Integrated fall break system bolted into hopper
500mm (20") hopper extensions with fall break system in hopper
700mm (28") hopper extensions with fall break system in hopper
Machine prepped hydraulically to tip a grid including remote control (no grid supplied)
Machine prepped hydraulically for DDVG including remote control (no DDVG supplied)
Grade ISO 68 hydraulic oil (recommended for ambient temperatures between +15 and +50 degrees Celsius)

DIMENSIONS HF 75 S

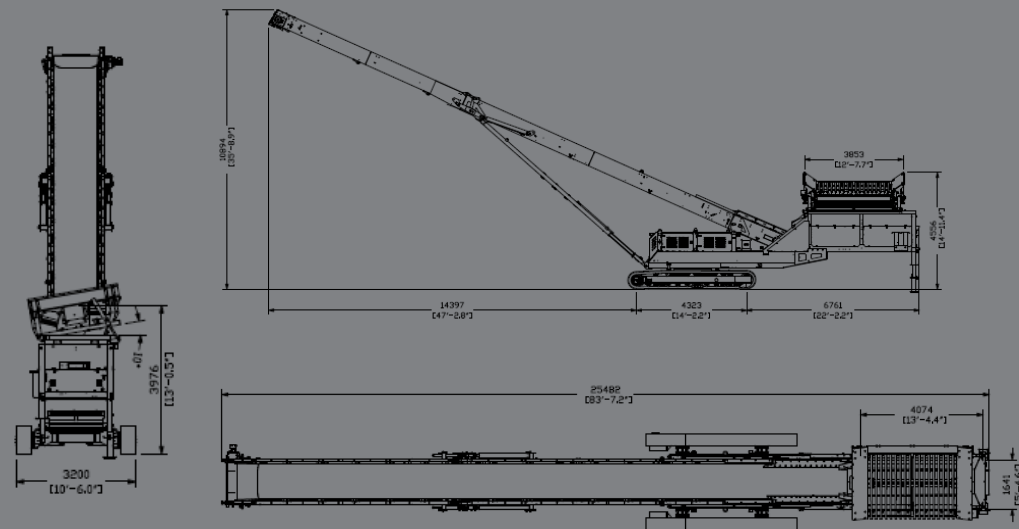
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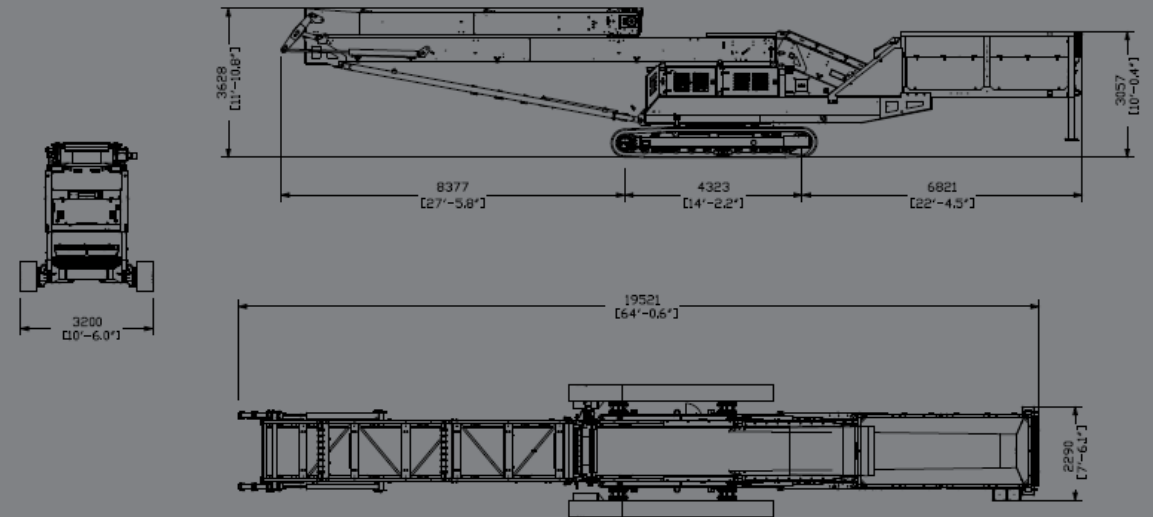
TRANSPORT



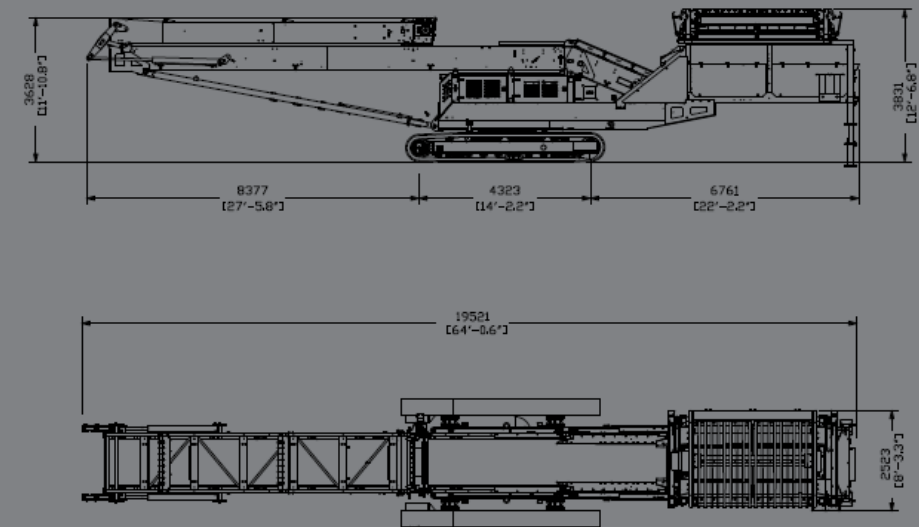
(DOUBLE DECK VIBRATING GRID)



WORKING



(DOUBLE DECK VIBRATING GRID)



FOR FURTHER INFORMATION PLEASE CONTACT:

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