KIVERCO™
RECYCLING PLANT

MODULAR PLANT

FT620 FEEDER TROMMEL
TECHNICAL SPECIFICATION



MODULAR

FT620 FEEDER TROMMEL

APPLICATIONS

- Construction & Demolition Waste
- Commercial & Industrial Waste
- Dry Mixed Recyclables
- Composting
- Municipal Solid Waste
- Land Remediation Sites



FEATURES & BENEFITS

- Quick set-up - operational a few hours.
- No cranes are required during set-up.
- Heavy duty unit built on the same platform as the ultra-reliable and proven Kiverco stationary trommel
- Fully enclosed drum top covers and optional end covers to dramatically reduce dust and noise.
- Electric drive operation increases efficiency and eliminates the risk of oil leaks
- Integrated, Super Silent Diesel Generator complete with pre-clean filter and wide core radiator for optimal performance in many environments

BELT FEEDER





DETAILS	
DIMENSIONS	4.2m x 1m
CONVEYOR BELT	EP630 4 PLY 6 + 2
CONVEYOR BELT WIDTH	1000mm
IMPACT BARS	2 x 7 Supported on 6mm Impact Plate
Variable Speed Belt	
Polyurethane Primary Belt Scraper	
Heavy Duty Pillow Block Bearings	

TROMMEL



DETAILS	
DRUM LENGTH	6.1m
DRUM DIAMETER	1.9m
Fixed Speed Drum With Smooth Outside Drum Construction	
Replaceable Punched Plate Screen Apertures	
Heavy Duty Pillow Block Bearings	
High Performance	
Low Maintenance	
Four Wheel Drive System • Anti Slip Tyres for Maximum Uptime • Minimum Wear • Extended Service Life	

SUPPORT & HYDRAULIC SYSTEM FOR SET UP ONLY







DETAILS	
HYDRAULIC OIL TANK	110 L Volume
POWER PACK	4kW Motor (for set-up only)
Heavy Duty Box Section Front and Rear Hydraulic Jack Legs c/w Bracing	
Safety Devices Inbuilt on Hydraulic System	
Heavy Duty Drop Down Support Centre Leg	

60KVA STAGE 3A GENERATOR – SUPER SILENT CANOPY



DETAILS	
GENERATOR	400V, 50HZ
ENGINE	4.5L Engine
FUEL CONSUMPTION	@50% duty/load 9.5 L/hr Range 24.7 hrs
WIDE CORE RADIATOR	To improve performance of the engine cooling system and greatly reduce risk of overheating
PRE-CLEAN FILTER	Extends the Life of the Air Filter Reduces Operating Costs Separates More Than 99% of Particles 20 Micron and Larger

ELECTRICAL CONTROL PANEL & MACHINE WIRING





DETAILS	
IP66 RATED ELECTRICAL CONTROL PANEL	• Mild steel enclosure IP66 • 100A door interlocked main isolator switch • Manual/Off/Auto selector switch • Start/Stop illuminated push buttons for manual control and auto control • Multi-pin sockets on side of control panel to interlock to other modular plant • 24VDC control for hydraulic solenoids c/w dog lead and pendant for solenoid control of jack legs system • Individual isolators for each motor

POWER REQUIREMENTS SUMMARY

Low power requirement with the option of running the unit directly from mains electric



DETAILS	
BELT FEEDER	2 X 1.1kW Drive Motor
TROMMEL	4 x 5.5kW Drive Motors
HYDRAULIC SYSTEM	4kW Motor **For setup only
TOTAL OPERATING POWER CONSUMPTION	25kW

GENERATOR OPTIONS





FACTORY FITTED OPTION	DETAILS
REVERSIBLE (CLEAN FIX) FAN	
12 VOLT FUEL FILLER PUMP	
REMOVE COMPLETE GENERATOR AND ANCILLARIES	
WINTER SPEC OPTION	Battery wrap heater, oil sump heater, engine jacket coolant heater, anti-condensation heater for alternator, heat tracing for fuel pipework and injector pump, an appliance inlet 16AMP 2P+E on a separate enclosure with local isolation and with separate circuit protection for each heater

ELECTRICAL CONTROL SYSTEM OPTIONS



FACTORY FITTED OPTION	DETAILS
VARIABLE SPEED CONTROL FOR THE TROMMEL DRUM	Externally mounted VSD
LOW LEVEL POSITION OPERATOR PANEL	Includes generator start/stop function
DUAL POWER /MAINS CHANGEOVER	This enables mains electric or generator input
E-STOP SYSTEM LINK CABLE TO LINK BACK TO AUXILIARY EQUIPMENT UP TO A MAX. LENGTH OF 25M	NB: If longer cable required please specify cable length please state length and request price
RADIO REMOTE CONTROL FOR AUTO START/STOP	NB: Feeder unit only

MACHINE OPTIONS



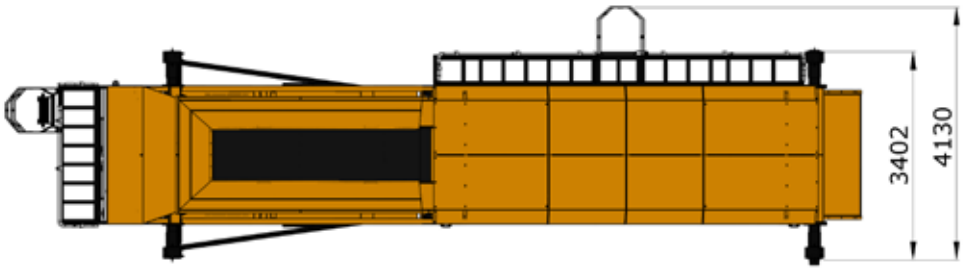


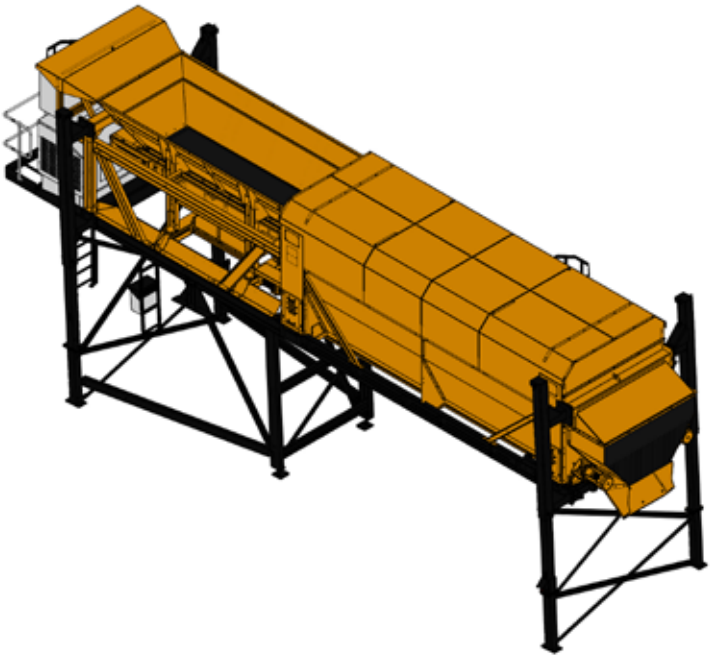
FACTORY FITTED OPTION	DETAILS
TROMMEL WALKWAY	Brush side only
TROMMEL DRUM DISCHARGE DUST COVER	
SPARE PUNCHED PLATE KIT	Price allows for 15-80mm aperture*
SPARE WOVEN WIRE MESH KIT	Price allows for 15-80mm aperture*
SPARE SKELETON DRUM	Excluding screens
ANCILLARY ITEMS	Lifters, cutters, scrolls
HIGHER JACK LEGS	Mandatory option required when supplying FT620 with DS150 to collect a midsized product direct from under the FT620 discharge.

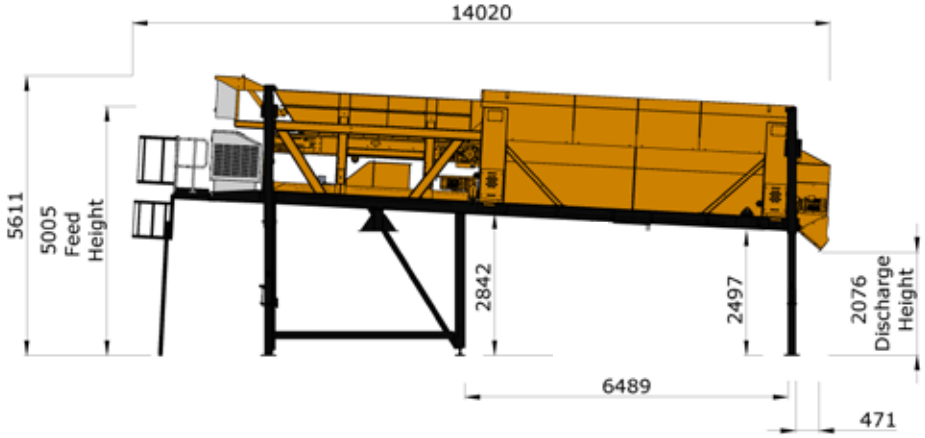
OPERATING DIMENSIONS

OPERATING DIMENSIONS

- Operating Length: 14,020mm
- Operating Width: 4,130mm
- Operating Height: 5,611mm
- Operating Feed Height: 5,005mm
- Weight: 22,000kg







TRANSPORT DIMENSIONS



TRANSPORT DIMENSIONS

- Transport Length: 13.16m
- Transport Width: 3.38m
- Transport Height: 3.88m
- Standard Total Weight: 22,000Kg

