



Komar EM40D Dewatering System

SLASH LANDFILL COSTS, MAXIMIZE TRANSPORTATION PAYLOADS

Processing plants can generate wet waste streams that include a wide range of materials that are problematic to compress and load, including bulky items, metal, wood and plastics mixed into the scrap or waste matrix. Additionally wet wastes are very expensive to transport and landfill, due to the high water content levels. Komar solves these problems with the EM40D ultra high compression dewatering system. This unit can remove most of the free water entrained in the waste matrix, reducing transport weights and landfill bills by up to 80%. System paybacks of less than 2 years are common. The system can be configured to free discharge, load to cross compactors or direct load to Komar trailer systems. To simplify operating budgets, Komar can lease the system with optional maintenance package.

- Remove up to 90% of free water from plant waste
- 25 to 90 % weight reduction depending upon feed type
- Improves waste hauling loads that were previously limited by weight due to excess water
- Handles bulky waste and tramp wire easily
- Fully automatic gate pressure and power management
- Handles up to 15 tons per hour of wet plant waste at auger speed of 7 rpm
- Configurable to automatically load trailers to reduce loads
- Optional feed conveyor systems available
- Optional automatic start / stop with level sensors
- Optional VFD control for 2 speed operation



- * Robust, heavy duty equipment design—system over 17,000 lbs.
- * Automatic bearing grease purge to prevent water intrusion
- * Solid auger shaft and hardfaced flights ensure long service life
- * 2 1/2" solid packing end flight with abrasion resistant metallurgy
- * Fully re-buildable design
- * N4 control panel with full range of optional safety interfaces

PROVEN PERFORMANCE

- Removes 90% of free water in the waste matrix
- Aggressive auger pitch ensures consistent dewatering performance by feeding up to 15 wet tons per hour
- Large 32" auger and wide open pitch handle oversized items and wire with ease
- Dewatering hydraulic pressure gate is automatically controlled to apply consistent pressure for maximum results and responds to material types
- Self cleaning dewatering wedge bar design minimizes blinding and ensures easy start-up
- Dewatering gate automatically parks in neutral position during long term periods of shutdown to ensure easy start-ups, even with dry material



KEY SPECIFICATIONS

Motor	40 hp
Auger Diameter	32"
Auger Gate Pressure	to 2,000 psi
Motor & Class 2 Cycloidal Gearbox	
Automatic Hydraulic Gate Pressure	
Self Equalizing Pressure Gate	
Wedge Bar Water Removal	
Automatic Shutdown Protection	

DIMENSIONS

Overall Length	172"
Overall Height With Hopper	99"
Overall Width With Hopper	94"
Feed Hopper Opening	58"x51"



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