The Solution for Waste Transfer Stations HIGH DENSITY COMPACTORS



Experience Results



Machinex compactors are the ultimate solution to optimize waste transportation to landfill sites and other disposal facilities. These rugged and reliable machines will enable moving floor trailers to be loaded to their maximum legal capacity.

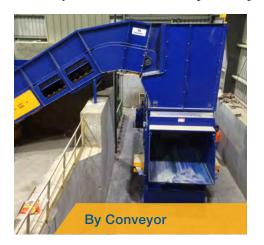


O %
OF TRUCKLOAD
CAPACITY
ACHIEVED WHEN
COUPLED WITH AN
IN-FLOOR SCALE

Advanced Functions

Machinex High Density Compactors have cutting-edge features ensuring optimal results. Its state-of-the-art design makes it user friendly and facilitates easy access for maintenance.

Compactors can be fed by conveyor, material handler or grapple.







EASY MAINTENANCE ACCESS

The chute is provided with an opening located behind the ram in order to release the excess of material. Removing the inclined panel of this chute allows to reach the interior of the compactor with the help of a stepladder.



Control and Operation



- The compactor can be filled in 20 minutes.
- Once loaded to its full capacity, the operator stops the compactor with a control panel.
- Couple the compactor with an in-floor scale to optimize the trailer loads by obtaining real-time tonnage.

MOTOR

Hydraulic power unit with integrated oil cooling system.





Options



OPTIONAL BULLNOSE RAM



The bullnose ram prevents waste from falling on the floor and offers better compaction compared to the standard ram.

Adding the bullnose ram will increase the overall ram penetration by 27".



EXTRA PENETRATION

The extra penetration option allows for better compaction since the compacting ram is able to travel inside the trailer as far as 47", while the standard ram penetration is 23".



HOOKS

The compactors are equipped with mechanical or optional hydraulic grab hooks that attach to the moving floor trailers.





Customer's Experience

"We're extremely satisfied with the compactors. By coupling the compactors with an integrated in-floor scale, we can load our trucks to 99% of their capacity. These results are even better than we'd hoped for and it makes us more competitive in the market."

- Maxim Sylvestre, EBI Group, Montreal

MODELS	MTC-1400-50	MTC-1400-50-XP	MTC-1400-50-HS	MTC-1400-50-HS-XP
DESIGN FEATURES				
CHARGE BOX CAPACITY				
Manufacturer Rating	14.0 yd³			
Wastec Rating	10.17 yd³			
Clear Opening	76 ½" wd. x 122" lg., 54" deep			
RAM FACE				
Platen Face	79 ½" wd. x 48" ht.			
Platen Face Thk.	1" with stiffeners			
COMPACTOR COMPONENTS				
Floor Plate	½" m.s. + ½" bolted liner (425 BHN)			
Side Walls	3/8" m.s. + 3/8" liner (425 BHN)			
Ram Top	%" abrasion resistant			
Ram Penetration	23" past breaking bar	47" past breaking bar	23" past breaking bar	47" past breaking bar
Weight	37,000 lb (18.5 tons)	39,000 lb (19.5 tons)	37,000 lb (18.5 tons)	39,000 lb (19.5 tons)
PERFORMANCE CHARACTERISTICS				
Cycle Time (no load)	29 sec.	34 sec.	20 sec.	23 sec.
Operating Ram Force	165,400 lb			
Maximum Ram Force	190,900 lb			
Operating Ram Face Pressure	43.3 psi			
Maximum Ram Face Pressure	50.0 psi			
Bullnose	Optional			
ELECTRICAL EQUIPMENT				
TEFC Electrical Motor	50 HP, S.F. 1.25			
Electrical Control Voltage	24 VDC			
CSA Control panel	Nema 4 (type)			
Standards Controls	Keylock, start-stop			
HMI screen	Alarm status, Operating data, etc.			
Controls Location	Compactor mounted			
HYDRAULIC EQUIPMENT				
Hydraulic Pump	87 GPM, with regen 125 GPM, with regen			
Cylinder Bore	9"			
Cylinder Rod		6	"	
Cylinder Stroke	147 ½"	171 ½"	147 ½"	171 ½"
Operating Pressure Penetration	2,600 psi			
Maximum Pressure	3,000 psi			
Reservoir	200 gal 400 gal			
Oil temperature, level alarms	Standard			
Oil cooler	Standard			
Oil heater	Optional			

The data in the table above may change.

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