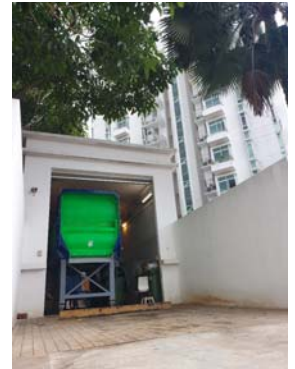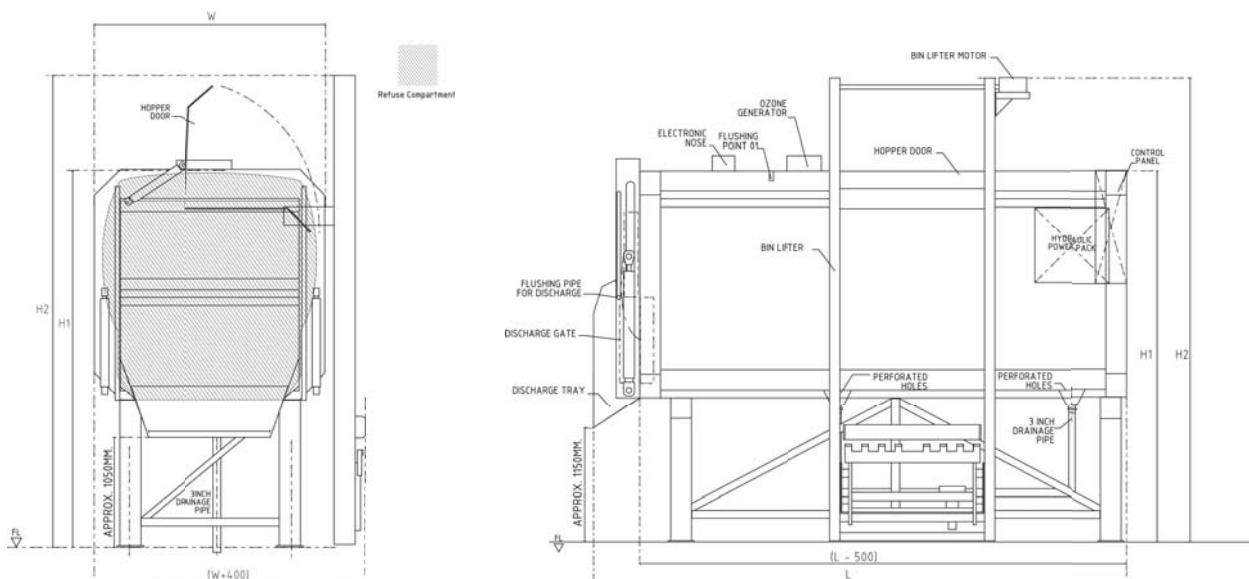# MULTIPLEXOR
SMART REFUSE COMPACTOR
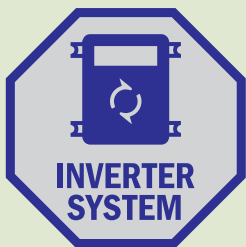
8cbm/10cbm/13cbm/15cbm/18cbm

Multiplexor Refuse Compactor

Refuse Compactor
Technical Specifications

Model	HM3000-4.5	HM3000-6	HM3000-8	HM3000-10	HM3000-12	HM3000-15	HM3000-18
Capacity (m3)	4.5	6	8	10	12	15	18
Self-weight (kg) (w/o bin lifter)	3000	3300	3600	3900	4100	4400	4700
Overall Length, L (mm)	4000	4000	4300	4700	4950	5250	5550
Overall Height, H1 (mm) (w/o bin lifter)	3800						
Overall Height, H2 (mm) (w/ bin lifter)	4500						
Overall Width, W (mm) (w/o bin lifter)	2400						
Material Specification	Mild Steel, S275						
Bottom Plate Thickness (mm)	6						
Side Plate Thickness (mm)	4.5						
Packer Plate Thickness (mm)	9						
Min. Compaction Cycle Time (s)	35	35	40	40	45	45	50
Max. Throughput (m3/hr)	190						
Operating Hydraulic Pressure (bar)	150						
Bin Lifting Cycle (s)	60						
Discharge Tray Height, H1 (mm)	1200						
Electric Motor (kW)	7.5 VFD						
Power Supply	415V, 3PH, 50Hz, 16A						
Power Pack and Control	External / Build-in						
Flushing System	Internal and Discharge Area						
Smoke & Gas Detector	up to 10,000ppm						
Deodorizer	2000mg/hour						
Compaction Ratio	3 : 1						

Standard Design Features

INVERTER SYSTEM

Built-in INVERTER system with TAiPAN smart IoT technology.
- protect the motor for longer life span.
- save power supply usage.
- less noise
- more compact
- easy for troubleshoot

REAL-TIME DATA

Real-time data collection, for remote monitoring, system performance update, refuse weigh data, etc.

MULTI-SENSOR SYSTEM

Bi-dimentional sensor, by sensing weight mass and pressure.

OZONE ULTRASONIC

Ozone generator / Deodorizer is used to reduce the odor generated by bacteria.

SMOKE & FIRE ALARM

Smoke & Fire Detector would signal the alarm when detected particles above a certain threshold.

ANTI-CORROSION 10 YRS WARANTY

Super coating against corrosion is applied. Guaranteed with 10 years warranty.

FLUSHING SYSTEM

Internal and external flushing would keep the equipment clean at all time, to lengthen the life span of equipment

On-site camera to record footage of operation.

Wide discharge opening for higher transfer rate, prevent clogging or long waiting time

IoT & Big Data Integration