

**ENSOL™**

# PORTABLE COMPACTOR

WASTE COLLECTION CENTRE / TRANSFER STATION



ENSOL MULTICLEAN EQUIPMENTS PRIVATE LTD.

## ENSOL PORTABLE REFUSE COMPACTOR WASTE COLLECTION CENTRE / TRANSFER STATION

The Equipment is designed for compacting Municipal waste. The compacting unit and the refuse collection body of the portable compactor are integrated into one structure. The compactor has its own electrically driven hydraulic power system and an operational control system. The equipment is fitted with a hydraulically operated Front Loading Type Tipcart (Loading Bucket) for receiving the garbage from Waste Collection Tippers/Handcart/Tricycle Rickshaw, and Unloading the same waste into the charge chamber of the equipment.

The equipment has specially designed underframe with rollers and can be handled by a Hook loader mounted on a truck chassis. The hook loader is capable of picking-up the loaded Compactor Unit, transporting it to the dumping ground, discharging the garbage by hydraulic tipping, thereafter transporting the compactor back and unloading it safely on to the ground at the Waste Collection Center.

The compaction unit comprises of a waste receiving hopper and horizontally operating packer plate, equipped with telescoping follow-plates, preventing refuse emptied into the hopper to fall behind the packer plate.

The Equipment is powered by a Hydraulic power Unit. The Compactor is equipped with suitable electric motor directly coupled to a rotary hydraulic pump. All electrical circuits is enclosed in control box with start, reverse & stop buttons. The total power pack is mounted on the compactor unit.

The waste collection body is designed for the required strength for easy discharge of compacted garbage. The rear door is top hinged and openable type. The container is provided with leachate collection tray for collection of leachate during compaction of garbage & there is a suitable drainage system to discharge the leachate.

## TECHNICAL DATA

MODELS	ENSOL PC-12	ENSOL PC-16	ENSOL PC-20
Container Volume	12 CBM	16CBM	20 CBM
Charge Chamber Volume	1.8 CBM Approx.	1.8 CBM Approx.	1.8 CBM Approx.
Tip cart bucket Volume	1.0 CBM Approx.	1.5 CBM Approx.	1.5 CBM Approx.
Loading Cycle Time	25 - 30 sec	25 - 30 sec	25 - 30 sec
Compaction Cycle Time	25 - 30 sec	25 - 30 sec	25 - 30 sec
Compaction Thrust	230 - 240 KN	330 - 360 KN	330 - 360 KN
Electric Motor	5 KW, 415V-50 Cycle 3 Phase	7.5 KW, 415V-50 Cycle 3 Phase	7.5 KW, 415V-50 Cycle 3 Phase

## SALIENT FEATURES OF ENSOL PORTABLE COMPACTOR:

- Inspection Door interlocks so that compaction does not start unless the door is closed.
- The unit automatically stops operation once it reaches to its full capacity.
- Indicating lamps are provided to indicate the status of the operation.
- All Operational Controls of the Equipment such as Start/Stop buttons, Loading and Compaction buttons and, Full Capacity indicator lights are suitably positioned to facilitate easy operation.
- Compaction chamber floor is made of high quality Abrasion Resistant Steel for long life.
- Our machine is Efficient, Easy to Operate and Maintain.

### ENSOL MULTICLEAN EQUIPMENTS PRIVATE LTD.

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