

SECTION 118226
WASTE COMPACTORS

(2007 CSI SPECIFICATIONS)

PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes:

1. Providing waste compactor unit and discharge container.

B. Related Sections:

1. Section 03100 – Concrete Forms and Accessories: Placement of anchors bolts and inserts, by others.
2. Section 149182 – Chutes: Rubbish Chute.
3. Division 16: Electrical Supply-system connections, by others.

1.2 REFERENCES:

A. Reference Standards: See Section 01425. Comply with following:

1. ANSI Z245-2 – American National Standard for Equipment Technology and Operations for Wastes and Recyclable Materials- Stationary Compactors- Safety Requirements; 1997.

1.3 SUBMITTALS

A. See Section 01300 – Administrative Requirements, for submittal procedures. General Contractor to furnish Sub Contractor approved shop drawings and plan view elevation of trash room. General Contractor shall advise Sub Contractor when items are required in order not to hold up project.

1. Product Data: Provide unit capacities, physical dimensions, utility requirements and locations, point loads.
2. Shop Drawings: Indicate machine location, rough in and anchor placement dimensions and tolerances, clearances required. Permanent disconnect located within 5'-0" of trash chute discharge.

B. Contract Closeout Submittals. Submit in accordance with Section 01780:

1. Operation Data: Include description of system operation, adjusting and testing required.
2. Maintenance Data: Identify system maintenance requirements, servicing cycles, lubrication types required and local spare part sources.
3. Warranty: Provide warranty in Owners name at installation. Standard one year warranty against material defect.

1.4 QUALITY ASSURANCE

- A. Equipment Rating: In accordance with ANSI Z245.2.
- B. General Contractor shall coordinate all electrical requirements and characteristics of building electrical system with Owner in order to provide for efficient operation of equipment. General Contractor shall ensure that all required electrical conduits, dedicated circuit breakers and disconnects are installed for electrical load required by equipment, and operational, by him to receive equipment for hookup prior to equipment being delivered to site.

PART 2 – PRODUCTS

2.1 MANUFACTURERS:

- A. Waste Compactors: Unit to be provided shall be verified by Owner.
 - 1. DuraPak Model 130-HD as manufactured by CHUTES International Manufacturing, 4400 Austin Lane, White Plains, Maryland 20695; Telephone: (800) 882-4883; FAX (301) 753-4109.
 - 2. Substitutions: See Section 01600 – Product Requirements.

2.2 WASTE COMPACTORS

- A. General Contractor shall provide Sub Contractor with approved shop drawings indicating all operational information, including but not limited to, electrical characteristics of all components
- B. DuraPak Model 130-HD horizontal compactor with chute fed hopper. (Desired room size for this standard machine, compaction can connected and extra compaction can in room is 16'-0"L x 14'-0"W.)
- C. Capacity Per Hour: 24 cubic yards with 45-second cycle time.
- D. 5 HP electrical motor and "UL" listed control panel.
- E. Electrical: 208 volts. 3 phase, 4 wire, 60 hertz, 30 amp. **NOTE: MUST SPECIFY POWER REQUIREMENT**
- F. 14-gallon hydraulic oil tank with 4 G.P.M. pump.
- G. On / Off key switch, mushroom stop button, "On" light, "Container Full" indicator lamp, photo electric eye for automatic cycling.
- H. Access door with safety interlock switch.
- I. Single solenoid soft shift with replaceable wear pads.
- J. Hinged steel wiper blade on ram with 4" x 2" diameter cylinder.

- K. Discharge Container **OPTIONAL ADD:**
 - 1. Compaction can of 2 or 3 cubic yard capacity, specify front or rear load, reinforced and specifically designed for internal compaction.
 - 2. 6" x 2" Casters.
- L. Short Body DuraPak 130-HD available upon request as **OPTIONAL ADD.**

M. Single side ratchet binding hook up available upon request as **OPTIONAL ADD.**

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Verify that anchors are correctly positioned.
- B. Permanent disconnect to be located within 5'-0" of trash chute discharge, by others.

3.2 INSTALLATION

- A. Install unit in accordance with manufacturer's instructions and with standards required by authority having jurisdiction.
- B. Coordinate with waste chute discharge.
 - 1. Anchor unit securely in place.
 - 2. Electrical: Rough-in and final connections under Division 16. Permanent disconnect located within 5'-0" of trash chute discharge.
 - 3. Hydraulic System: Take precautions to keep dust, dirt, moisture, and other foreign matter out of hydraulic system.
 - 4. Start-Up: Comply with manufacturer's checklist.
- C. Touch-up minor damaged surfaces caused during installation. Replace damaged components as directed by Architect.
- D. Use for Construction Trash Compaction: **NOT ALLOWED.**

3.3 DEMONSTRATION AND INSTRUCTIONS

- A. Demonstrate and instruct Owner on unit operation. ALL associated users of compactor MUST be present at demonstration. Describe unit limitations.

END OF SECTION