

Westinghouse Electric Elevator Company



Air Conditioning Department
150 Pacific Avenue — Jersey City, N. J.
Offices and Contractors in All Principal Cities

What's Different about Westinghouse Equipment?

THE IMPORTANT difference is in the compressor—vital heart of any air conditioning system.

It's Hermetically-Sealed. Westinghouse developed the hermetically-sealed compressor in 1935. It was the first, and is still the only application of the hermetically-sealed principle to multiple horsepower Freon-12 compressors. Thousands of installations have proved these advantages:

No Seal Leaks, because shaft seals are eliminated.

Installation in Unventilated Spaces. Practical because the motor is refrigerant-cooled.

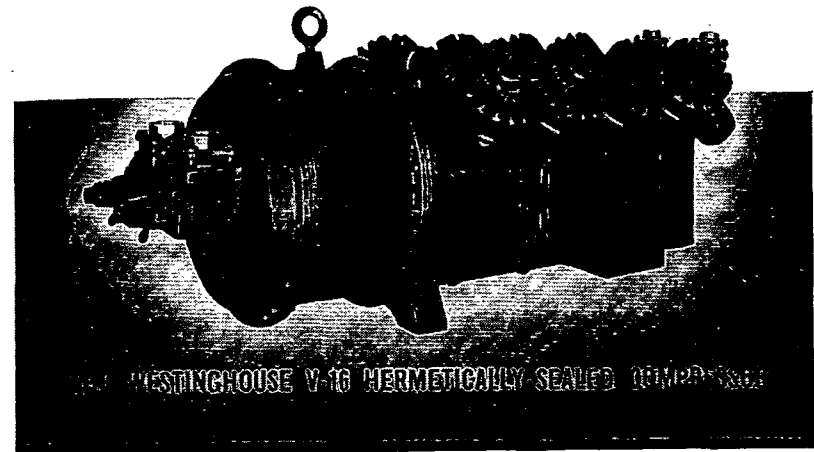
High Efficiency. Direct-drive mechanism eliminates the power loss common to belt-driven equipment.

Completely Enclosed operating mechanism. Power is sealed in, trouble is sealed out. There are no visible moving parts, yet all parts are readily accessible without dismantling, through side service plates.

Light Weight. Lightest weight per ton of cooling effect of any compressor on the market. No special foundations needed. Compact size is a natural collateral advantage.

Capacity Modulation is built in. The floating-reed design of the patented, improved head valve permits the built-in application of a capacity modulator that provides completely flexible operation of the compressor to meet exact load requirements.

Westinghouse Hermetically-Sealed Compressors are currently available in sizes from 5 Horsepower to 100 Horsepower.



Westinghouse Synchro-built Equipment

For each Westinghouse Compressor, there is Synchro-built equipment, designed and built to operate efficiently in a complete Westinghouse system that meets the specific needs of the job. This equipment includes:

Heat Transfer Surfaces

Coils for Freon, steam, hot and cold water, are available in such a wide range of sizes that any practical design specifications are readily met. The patented header of the Freon evaporator assures immediate and complete distribution of the gas over the entire coil surface.

Condensers

Water-cooled and evaporative condensers are matched to the performance ranges of each compressor. Where water is plentiful and cost low, Westinghouse Water-cooled Condensers meet every requirement. Westinghouse "Aquamiser" evaporative condensers combine the most desirable features of water-cooled condensers, air-cooled condensers and cooling towers.

Air Conditioning Units

Vertical and horizontal units, for air conditioning and refrigeration, are provided in sizes to meet all needs. The cabinets are complete with quiet, blower-type fans, and facilities for installation of cooling and heating coils, filters and humidifiers.

Factory-Built Systems

Factory-built complete central-plant systems known as the Unitaire are available in five sizes—from 7½ to 25 hp. For requirements within these ranges, they offer ease of handling, quick installation, low cost. They combine the complete refrigeration cycle, controls and blowers within a single, compact, easily installed cabinet.