

**Thern**

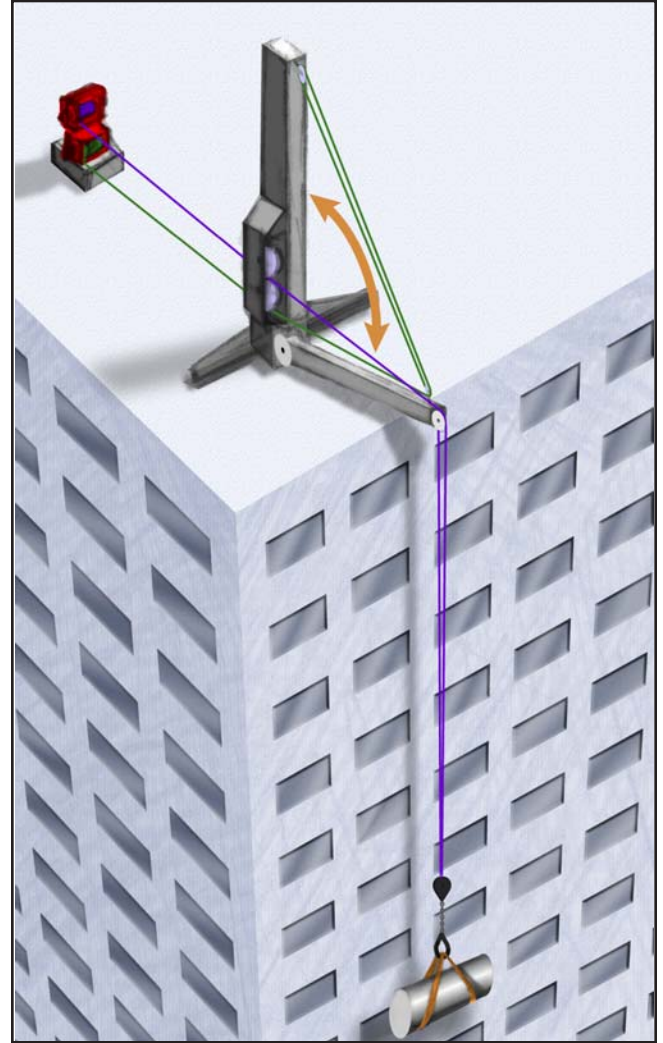
# Product Application



HVAC



## Winches Operate Roof-Top Derrick to Lift Mechanical Equipment



Two Thern 4WS Series winches are used to operate a roof derrick crane built to lower old chillers and condensers and lift replacement units to the top of a 32 story hotel located in Honolulu, Hawaii. One winch is used to maneuver the derrick crane arm. The other winch is used to raise and lower the load. The winch operated derrick provides an economical alternative to a large tower crane.

The derrick winch is rigged for 5 part line, to provide 13,518 pounds at the hook. The load winch is operated with 2 part line to provide 10,000 pounds at the hook. Multi-part rigging allows for smaller, more economical equipment.





## APPLICATION DETAILS

Lifting or pulling:	Lifting
Line pull required:	3,475 lbs for derrick, 5,680 lbs for load winch
Line speed required:	5 fpm for derrick, 15 fpm for load winch
Travel distance of load:	20 ft for derrick, 350 for load winch
Power source:	460/3/60
Installation requirements:	Base Mounted
Environment:	Outdoor
Frequency of operation:	Intermittent

