



Sherwood Mechanical Turns to Thern for Safe Lifting in Tight Spaces



Thern's popular 4WP2T8-2000-8 ATLAS power winch.

As one of the largest mechanical contracting companies in Southern California AMPAM Commercial Sherwood Mechanical does a lot of lifting. They provide full service HVAC, plumbing and both on and offsite utility services for projects such as high-rises, hospitals, schools, prisons, multi-family living and wastewater treatment plants.

Sherwood Mechanical believes that their employees are the most vital resource they have and therefore safety is core value of the company. From the office to the field, management insists upon safe work practices. This includes making sure that the right equipment is available for every job to ensure projects can be completed safely and efficiently.

Recently, Sherwood Mechanical was contracted to install the plumbing for the new Omni San Diego Hotel. Located near the San Diego Padres Ballpark, the Omni is a 32-story luxury hotel scheduled to open in Spring 2004. The design of the hotel would

require Sherwood Mechanical's team to lift 20-foot lengths of pipe weighing about 200 lbs. each several stories in the confined space of a utility chase.

Sherwood Mechanical's tool manager Jerry Shepherd needed to find a winch that would not only have the power needed to lift lengths of pipe weighing up to 200 lbs. each, but would also have a drum with a diameter large enough to hold the 100 feet of cable needed to lift pipes several stories. And he had to do it all without compromising the safety of the workers on the job site, the materials or the construction site.

Shepherd did some research and discovered that a Thern Series 4WP Worm Gear Power Winch model 4WP2T8-2000-8 was perfect to fit their needs. Its large cable capacity was ideal for the multi-story lifts that are required during projects like hotels, hospitals and high-rise buildings. And the internal mechanical brake would provide the positive load control needed for maneuvering in the confined space of the chase.

"By using the winch, it allowed us to lift and stack 20 foot lengths of pipe at a controlled and steady speed inside a small space through several floors," said Shepherd.

Although the mounting options for Thern's 4WP series winches include the floor, wall or ceiling, Sherwood Mechanical took it one step further by mounting it on a frame they had built which allowed the winch to be mounted in the chase and operated like a jig.





The end result being that all of the pipe was able to be lifted and placed or stacked efficiently without any lifting-related injuries to employees or property damage to the construction site or materials.

Thern Series 4WP Worm Gear Power Winches have up to a 2,000 lb. capacity and use 115-volt single-phase electric motors with a momentary contact-type push button pendant control on a control cord. Machine cut worm gears provide accurate operation and long lasting service. An enclosed oil bath is used for continuous lubrication of the gears to minimize wear by keeping oil in and dirt out. And self-aligning bronze ball bearings provide smooth and efficient operation.

The 4WP2T8 model winch also includes a pressure plate that applies pressure to the drum and wire rope to help maintain uniform winding of the wire rope.

All Thern products include a two year limited warranty against defects in material or workmanship.

Thern, Inc. is a major designer and manufacturer of winches, cranes and hoists for virtually unlimited industrial applications. Founded in 1948, Thern is headquartered in Winona, MN and markets its products worldwide.

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other Thern products at
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