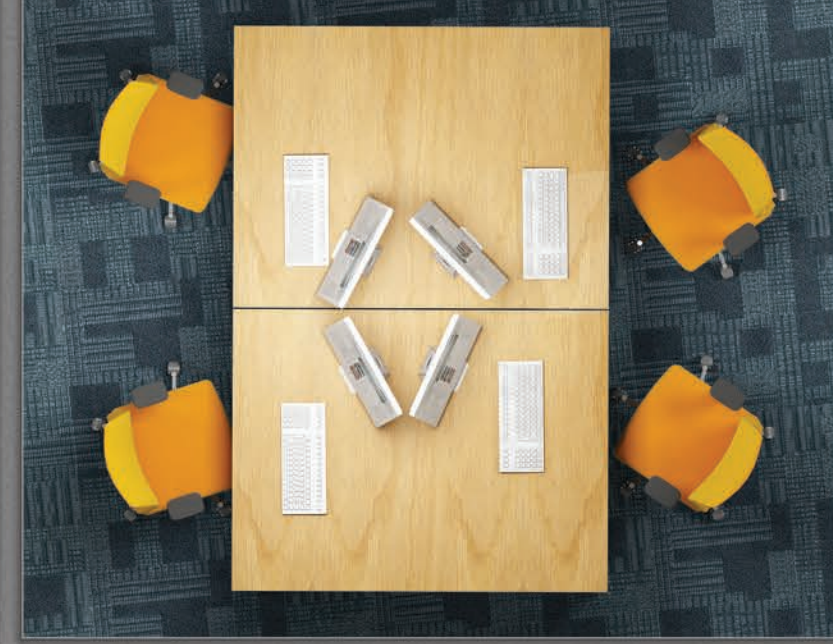
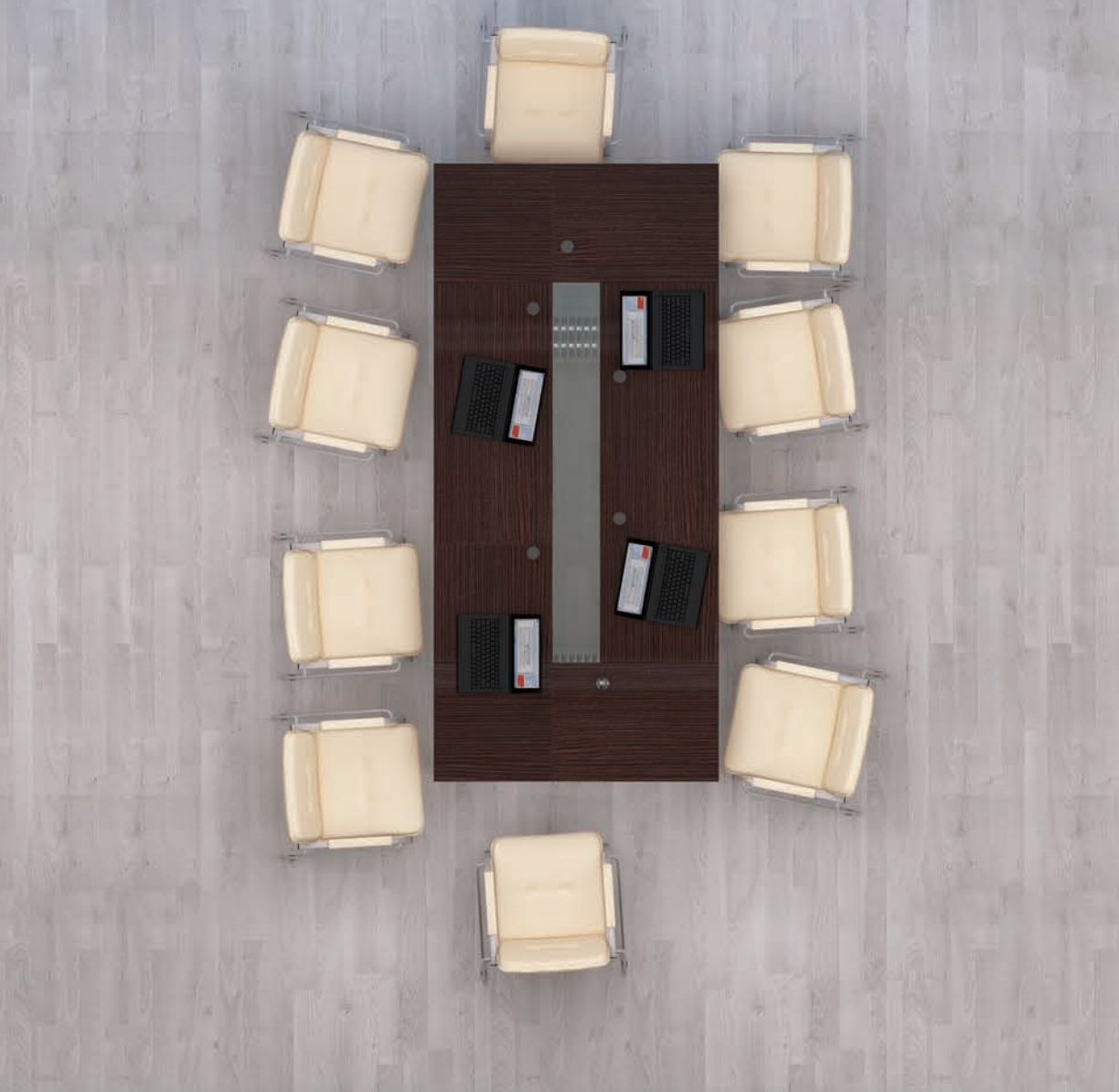


**ENGINEERING
CONFIDENCE.**

enduraMRL

ThyssenKrupp Elevator Americas





ENGINEERING SIMPLIFIED.

The new **endura MRL** combines the no-nonsense functionality of hydraulics and a truly machine room-less design — perfect for low-rise buildings. Now you really can maximize building space while keeping construction coordination and costs low. Fewer moving parts and the uncomplicated design provide dependable, capable equipment that isn't over engineered for buildings with just a few floors. And the cost to maintain the **endura MRL** is significantly lower than the cost of maintaining more complex low-rise MRL traction elevators.

So simplify, because why buy more than you need?

SIMPLY MORE SPACE

The **endura MRL** allows architects to incorporate elevators into their design without worrying about a machine room, controller access or weight and capacity restrictions. The pump unit is located in the elevator pit. And since the controller is cleverly located in the elevator door jamb, you don't have to reserve space for access to it either. Now, you really do have more space to work with.

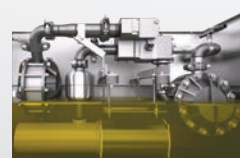
The **endura MRL** uses little electricity, has a small lifetime environmental impact and virtually eliminates the use of petroleum by using enviromax™ the industry's first performance improving vegetable-based hydraulic fluid. LED lighting is standard, which drastically increases lighting lifespan, is mercury-free and offers a heat-free solution. Since the cab is from ThyssenKrupp Elevator, you will benefit from the industry's only UL validated 01350 CA compliant low-emitting interiors. So VOC (volatile organic compound) emissions are one less thing to worry about.



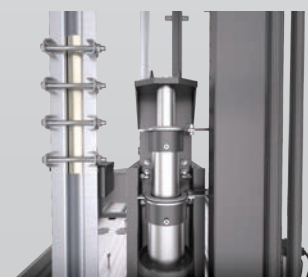
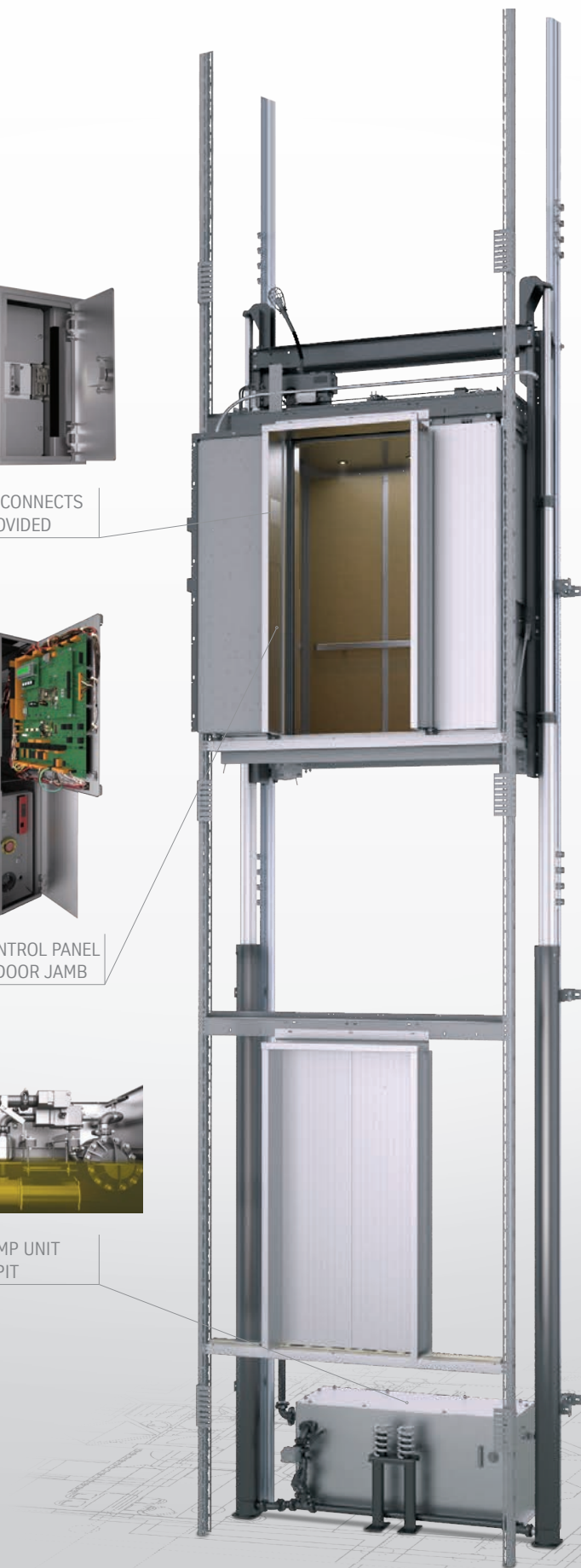
DISCONNECTS PROVIDED



CONTROL PANEL IN DOOR JAMB



PUMP UNIT IN PIT

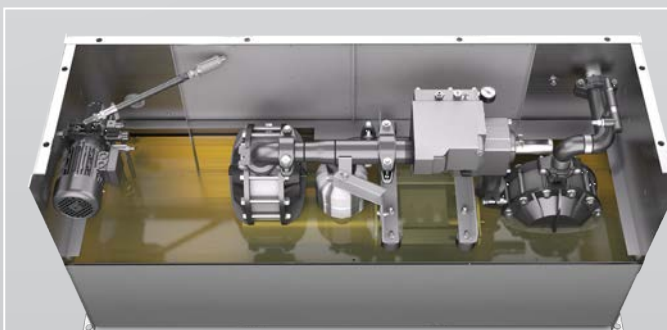


Hydraulic elevators offer an efficient way to move heavier loads, so you aren't limited to lightweight finish options that restrict your interior cab design.

IT SIMPLY FITS

General contractors can spend fewer hours thinking about the elevator because there is less to build and manage. Choose the **endura MRL** and you can eliminate framing, electrical and HVAC, fireproof doors, as well as the locks and signage required for typical machine rooms or controller closets. You can also eliminate the coordination effort, time and cost.

The **endura MRL** has been designed so you can simplify. You no longer have to provide disconnects, wiring chases or assign coordination and installation tasks to partnering trades. Permanent power and a hoistway is all you need, and we do the rest. It simply fits.



The pump unit is in the pit, sealed with a hardtop and sound deadening material to ensure a quiet ride. It also features a new electronic valve. The valve is virtually adjustment-free, which allows for improved leveling accuracy.

SIMPLY SPEND LESS

For the building owner, the **endura MRL** has fewer moving parts and an uncomplicated design which means maintenance costs are less than a low-rise MRL traction elevator — significantly less. An electronic valve makes floor leveling adjustments automatically, decreasing unexpected service visits. Battery-lowering operation is included to ensure your tenants don't get trapped in case of a power failure. There's also no machine room, so you don't spend money to heat or cool a room you can't lease.

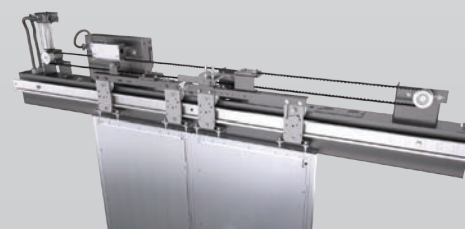
The **endura MRL** uses enviromax, formulated from materials that have minimal effects on the environment. It is a canola-based hydraulic fluid that is readily biodegradable and rapidly renewable. Grown, harvested and processed in North America, you now have an environmentally sound elevator that is 95% petroleum-free. And it gets the job done without having to pay for an over complicated product that has no benefit to your tenants.



LED LIGHTING
AUTOMATICALLY
SHUTS OFF



UL VALIDATED
LOW-EMITTING
CAB INTERIORS



The linear door operator has fewer parts, increases reliability and reduces maintenance costs.

LIFE CYCLE COSTS ARE SIMPLY CLEAR

We've done the homework so you can make an educated decision about purchasing the right low-rise elevator. Our Life Cycle Analysis (LCA) and Costing (LCC) research make the long-term cost and environmental impacts of low-rise elevators transparent. Each elevator type listed below is a three-stop, 2,500 lb. capacity unit with the same interiors and settings. Total cost reflects 25 years of elevator life.



enduraMRL

INITIAL COST	BUILDING COST	MAINTENANCE COST	TOTAL COST
\$74,000	\$0	\$91,856	\$165,856



TRACTION MRL

INITIAL COST	BUILDING COST ¹	MAINTENANCE COST	TOTAL COST
\$90,000	\$2,500	\$173,379	\$265,879

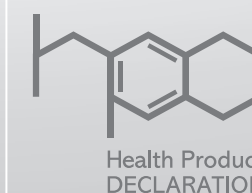


MACHINE ROOM HYDRAULIC

INITIAL COST	BUILDING COST ²	MAINTENANCE COST	TOTAL COST
\$69,000	\$6,700	\$91,856	\$167,556

When it comes to energy we understand the importance of using less. Based on national averages and industry operating use standards, the annual energy consumption of a traction unit is approximately \$350 versus \$500 for a like hydraulic unit.

All above information is based on national averages and may not be reflective of your geographical location.
¹ Cost includes controller closet construction and electrical disconnect.
² Cost includes machine room construction and electrical disconnect.



ThyssenKrupp Elevator is the only elevator manufacturer to offer Health Product Declarations (HPDs), which show product ingredients and associated health information.

ThyssenKrupp Elevator Locations

UNITED STATES OFFICES

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Alaska Anchorage 907-522-3002	Pensacola/ Mobile Area 850-477-0015 West Palm Beach 561-842-5761	Louisiana Baton Rouge 225-928-1120 New Orleans 504-733-6141	New Jersey Atlantic City 609-567-2333 Cranford 908-497-9297	Pennsylvania Allentown 610-366-0161 King of Prussia 609-567-2333 Philadelphia 215-405-2340 Pittsburgh 412-367-7500 York 717-767-5600	Utah Salt Lake City 801-908-7433
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Colorado Col. Springs 719-548-0211 Denver 303-318-9700 Eagle 970-328-5955 Fort Collins 970-221-1744	Idaho Boise 208-658-0000	Michigan Grand Rapids 616-942-4710 Detroit 734-953-3734	North Dakota Fargo 701-232-2673	South Dakota Sioux Falls 605-332-4950	Tennessee Chattanooga 423-499-2216 Knoxville 865-588-8517 Memphis 901-377-1993
Connecticut New Haven 860-828-6672	Illinois Chicago 630-652-4000 Peoria 309-691-2596	Minnesota Duluth 218-624-5566 Minneapolis 612-588-7844	Ohio Cincinnati 513-241-6000 Cleveland 440-717-0080 Columbus 614-895-8930 Toledo 419-666-3304	Texas Austin 512-447-9511 Corpus Christi 361-299-0033 Dallas Central 972-785-0505 Dallas 214-303-1389 El Paso 915-595-0171	For a complete list of all the state licensing contractor numbers, please visit www.thyssenkruppelevator.com
Florida Ft. Lauderdale 954-971-6500 Ft. Myers 239-334-2511 Gainesville 352-376-2241	Indiana Evansville 812-475-9419 Indianapolis 317-595-1125	Mississippi Jackson 601-922-9400	Missouri Springfield 417-581-9466 St. Louis 314-991-0800	Oklahoma Okla. City 405-949-1916 Tulsa 918-665-2040	
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		Ontario Hamilton 905-385-1785 Kingston 613-542-2904		

ThyssenKrupp Elevator

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