



Price Schedule 2010

Effective February 1, 2010



THERN CUSTOMER SERVICE

hours:	7:30 AM to 5:30 PM CST
toll-free:	800-843-7648
phone:	507-454-2996
fax:	507-454-5282
email:	sales@thern.com
web:	www.thern.com

ASK US ABOUT THESE VALUE-ADDED SERVICES

Expedited Delivery

When you need better than standard delivery, we can hand-hold your order from entry to shipment to ensure best delivery.

Engineered Solutions

We embrace any opportunity to put our years of experience to the task to help you come up with a unique, custom engineered solution to your most demanding applications.

System Solutions

Sheaves, controls, rigging – we can help put together the best system to solve your lifting, pulling or tensioning need.

Technical Assistance

Not sure how to select the right winch for your application? Let one of our experienced technical sales engineers help you, every step of the way.

Wire Rope

Winches need wire rope, and we can help you select the best wire rope for your application and supply it with the winch if you wish. We can even spool it onto the drum for you, to save you valuable time in installation.

Leasing Options

Sometimes it's nice to have options. Just ask and we can give you full details on leasing and other options for financing Thern products.

TERMS

Visit our website at www.thern.com/customer/terms for most recent terms of sale.

All orders are subject to Credit Department approval and are F.O.B., Winona, MN.

- Freight** To minimize any shipping delays, Thern, Inc. reserves the right to use the carrier of its choice. For separate freight charge invoices, terms are net 15 days. Thern, Inc. reserves the right to apply a shipping and handling fee to all freight charges. We do not supply copies of original freight invoices. Thern, Inc. will attempt to comply with specific routing instructions, designated as the purchaser's responsibility, only when provided on each individual order. Blanket instructions are not acceptable. Shipments are F.O.B. Winona, MN unless otherwise specified.
- Small Package Service** Shipments routed via United Parcel Service (UPS) or Federal Express will have a \$5.00 handling charge.
- Claims** On all F.O.B. factory shipments, title to the merchandise passes to the purchaser at the time the merchandise leaves Thern, Inc.'s factory dock. The purchaser should inspect the merchandise thoroughly when received for damage or shortages and should not sign for the merchandise until satisfied that all merchandise has arrived in good condition. Any claim for loss or damage by the purchaser must be settled with the carrier. Thern, Inc. accepts no responsibility for losses or delays in transit.
- Minimum Billing** The minimum billing is \$25.00 per order, plus freight charges.
- Returns** Thern, Inc.'s prior approval is required before any merchandise is returned. Approved returned merchandise must have an RGA# (Returned Goods Authorization Number) issued by Thern, Inc.
- No returns will be accepted by Thern, Inc. without an RGA#.** Approved returned merchandise will have a minimum applied charge of 25% of original cost, subject to condition upon receipt. Thern does not accept collect shipments. Non-standard or modified products are non-returnable.
- Any approved merchandise returned to Thern, Inc. will be reviewed by Thern, Inc. and the purchaser shall be notified of the cost for reconditioning within 30 days. The purchaser shall have 30 days after notification by Thern, Inc. to either authorize reconditioning of the merchandise or otherwise direct the disposition of the merchandise. In the event the purchaser does not notify Thern, Inc. within the 30 day period, Thern, Inc. shall consider the merchandise abandoned and shall dispose of the merchandise.
- Conditions** Possession of this catalog is not to be construed as an offer to sell by Thern, Inc. Products may be discontinued or changed (modified and/or improved) without notice. All orders are subject to prices established by Thern, Inc. at the time of shipment and prices are subject to change without notice. Please contact Thern, Inc. for current pricing.
- Certificates** There is a minimum \$25.00 charge for a Quality Assurance Certification.
- Cancellation** Orders may be cancelled only with written approval from Thern, Inc. and with terms that will indemnify Thern, Inc. against all loss.
- Documents** Thern, Inc. will supply up to two (2) owner's manuals and two (2) assembly drawings at no charge. Additional manuals and drawings are \$5.00 each.

PAYMENT OPTIONS

- Best Source:** Thern, Inc. sells through a nationwide network of industrial and specialty distributors. For the name of a Thern Distributor near you, call Thern Customer Service at 1-800-843-7648 or visit us online at www.thern.com.
- Account:** Orders can ship to open accounts upon Credit Department approval.
- Credit Card:** Thern, Inc. accepts MasterCard and VISA with no surcharge. All credit card orders are processed immediately upon authorization. Your account will not be charged until we have shipped your order.
- COD:** Thern, Inc. can ship your order COD.

SECTION 1 – HAND WINCHES



M4022PB



M4312PBSS



M452B



M492



4WM2



FVC-1000

model no.	description	approx. ship wt.	user price
HAND WINCH – DIRECT DRIVE			
M401	500 lb (for pulling only) – marine duty	8 lb	\$ 89
SPUR GEAR HAND WINCHES – SINGLE REDUCTION			
M4022	1000 lb (for pulling only) – marine duty	12 lb	\$ 193
M4022PB	1000 lb with brake (for lifting) – marine duty	17 lb	312
M4032	1000 lb (for pulling only) – marine duty	14 lb	203
M4032PB	1000 lb with brake (for lifting) – marine duty	18 lb	328
SPUR GEAR HAND WINCHES – DOUBLE REDUCTION			
M4312	2000 lb (for pulling only) – marine duty – double gear	23 lb	\$ 401
M4312PB	2000 lb with brake (for lifting) – marine duty – double gear	28 lb	531
M4412	2000 lb (for pulling only) – marine duty – double gear	25 lb	437
M4412PB	2000 lb with brake (for lifting) – marine duty – double gear	30 lb	552
SPUR GEAR HAND WINCHES – STAINLESS STEEL			
M4042PBSS	1000 lb with brake (for lifting) – stainless steel – single gear	24 lb	\$ 838
M4312PBSS	2000 lb with brake (for lifting) – stainless steel – double gear	28 lb	1,120
SPUR GEAR HAND WINCHES – DOUBLE REDUCTION			
M452	4000 lb (for pulling only) – marine duty – double gear	83 lb	\$ 1,145
M452B	4000 lb with brake (for lifting) – marine duty – double gear	91 lb	1,400
M452B-A	4000 lb with brake (for lifting) – 4" drum width – marine duty – double gear	83 lb	1,320
M492	10,000 lb (for pulling only) – marine duty – double gear	166 lb	1,745
M492B	10,000 lb with brake (for lifting) – marine duty – double gear	173 lb	2,045
M492-12	10,000 lb (for pulling only) – 12" drum width – marine duty – double gear	175 lb	1,820
M492B-12	10,000 lb with brake (for lifting) – 12" drum width – marine duty – double gear	190 lb	2,110
■ MB451	disc brake only for M452 (for lifting)	13 lb	307
■ MB491	disc brake only for M492 and M492-12 (for lifting)	15 lb	344
■ HW452	hand wheel only for M452 (for pulling only)	19 lb	411
■ HW492	hand wheel only for M492 and M492-12 (for pulling only)	20 lb	432
WORM GEAR HAND WINCHES			
Contact factory for conversion to wall or ceiling mount style.			
465	750 lb (recommended for pulling only) – open gears	12 lb	\$ 156
462	1000 lb (recommended for pulling only) – enclosed gearing	15 lb	250
4622PB	1000 lb with brake (for lifting) – enclosed gearing	21 lb	432
472	2000 lb (recommended for pulling only) – enclosed gearing	32 lb	385
4WM2	2000 lb with brake (for lifting) – enclosed gearing – drill driveable	41 lb	661
482	4000 lb (recommended for pulling only) – enclosed gearing	100 lb	994
482B	4000 lb with brake (for lifting) – enclosed gearing	113 lb	1,310
SPECIAL PURPOSE HAND WINCHES			
FVC-1000	1000 lb with band brake - for opening smoke hatch doors	31 lb	\$ 723

SECTION 2 – POWER WINCHES

4WP2 AND 4WP2T SERIES — WORM GEAR POWER WINCHES

Standard motor is 115/1/60 VAC TEFC, for other configurations add motor code to model number when ordering.

Standard 4WP2 includes 8 ft power cord with grounded plug and push button pendant control on 6 ft cord.

Standard 4WP2T8 and 4WP2TC include 16 ft power cord with grounded plug and push button pendant control on 16 ft cord.

Please order wire rope separately.



4WP2T8-2000-8

model no.	description	approx. ship wt.	user price
4WP2	2000 lb – 1.3 hp – 115 VAC – ATLAS – with brake for lifting	85 lb	\$ 1,625
4WP2T8-2000-8	2000 lb – 1.3 hp – 115 VAC – ATLAS – 8" drum – with brake for lifting	101 lb	1,855
4WP2TC-2000-8	2000 lb – 1.3 hp – 115 VAC – ATLAS – 5.5" drum – clutch model – horizontal pulling only	106 lb	2,115
■ A ¹	115 volt 1 phase motor – no controls or power cord – TENV		less \$115
■ B ¹	230 volt 1 phase motor – no controls or power cord – TEFC		add \$45
■ D ¹	230 volt 3 phase motor – no controls or power cord – TEFC		add \$90
■ E ¹	460 volt 3 phase motor – no controls or power cord – TEFC		add \$90
■ F ¹	all other voltages or hertz		CALL
■ PN	8-vane air motor with controls (mounted)		add \$ 515
■ TPL-4WP2T8	two part line kit – not available on 4WP2 series	4 lb	286

¹Order controls separately, see Electric Drum Control Switches below.

4WP2D SERIES — HIGH SPEED WORM GEAR POWER WINCHES

When ordering, please indicate Model Number and Extensions.

Please order wire rope separately. Please order controls separately, see Electric Drum Control Switches below.



4WP2D8-800-26

model number	model number extensions			description	approx. ship wt. (lb)	user price	
	load rating	line speed	motor codes			115/230 1 phase	230/460 3 phase
High Speed Atlas winches for lifting or pulling							
4WP2D8	800	26	A,B,D,E	1 hp – ATLAS electric with brake, no controls	100	\$ 1,820	\$ 1,795
4WP2D8	800	40	D,E	1.5 hp – ATLAS electric with brake, no controls	100	–	1,820
4WP2D8	1500	26	D,E	2 hp – ATLAS electric with brake, no controls	100	–	1,900
4WP2D8	1500	40	B,D,E	3 hp – ATLAS electric with brake, no controls	100	1,945	1,920
High Speed Clutch Models for horizontal pulling only							
4WP2DC	800	26	A,B,D,E	1 hp – ATLAS electric with brake and clutch, no controls	100	2,065	2,040
4WP2DC	800	40	D,E	1.5 hp – ATLAS electric with brake and clutch, no controls	100	–	2,065
4WP2DC	1500	26	D,E	2 hp – ATLAS electric with brake and clutch, no controls	100	–	2,140
4WP2DC	1500	40	B,D,E	3 hp – ATLAS electric with brake and clutch, no controls	100	2,190	2,170
■ TPL-4WP2T8	two part line kit – not available on 4WP2 series				4 lb	286	

motor codes		
A	115 volt	1 phase
B	230 volt	1 phase
D	230 volt	3 phase
E	460 volt	3 phase
F	All other voltages – please contact factory	
PN	Please contact factory	

477 SERIES — HELICAL/WORM GEAR POWER WINCHES

All 115 VAC models include 8 ft power cord with grounded plug.

Please specify voltage and phase when ordering. Please order wire rope separately.



4771

model no.	description	approx. ship wt.	user price
4771	2000 lb – 1.2 hp – 115 VAC – 1 phase electric with 6 ft pendant control	88 lb	\$ 1,890
4771AC-1PH ¹	2000 lb – 1.2 hp – 115 VAC – 1 phase electric (without controls)	87 lb	1,815
4771AC-1PH2 ¹	2000 lb – 1.5 hp – 115/230 VAC – 1 phase electric (without controls)	115 lb	1,960
4771AC-3PH ¹	2000 lb – 1.5 hp – 230/460 VAC – 3 phase electric (without controls)	111 lb	1,935
4771DC	2000 lb – 1.0 hp – 12 VDC electric with 10 ft pendant control	105 lb	2,545
4771PN	2000 lb – 1.2 hp – pneumatic – 80 cfm at 100 psi (without controls or hoses)	70 lb	2,015
4771HY	2000 lb – 2.3 hp – hydraulic – 4 gpm at 1000 psi (without controls or hoses)	72 lb	2,275
4777	2000 lb – 1.2 hp – 115 VAC – 1 phase electric with 6 ft pendant control – 4" drum	93 lb	2,130
4777DC	2000 lb – 1.0 hp – 12 VDC electric with 10 ft pendant control – 4" drum width	105 lb	2,915

¹Order controls separately, see Electric Drum Control Switches below.

■ 477PN-CNTRL	pneumatic control valve (not mounted or plumbed, no hoses)	6 lb	458
■ 477PN-HS6	6 ft hoses for pneumatic controls (not plumbed)	4 lb	112
■ 477HY-CNTRL	hydraulic control valve (not mounted or plumbed, no hoses)	5 lb	406
■ 477HY-HS6	6 ft hoses for hydraulic controls (not plumbed)	4 lb	99

ELECTRIC DRUM CONTROL SWITCHES

Drum control switches for 115 volt single phase motors up to 1.5 hp, include 8 ft power cord with grounded plug.

Please specify voltage, phase, and motor hp when ordering. For magnetic reversing starters see Section 8.



4771PN

model number	description	Voltage/Phase/Hertz with maximum rated motor hp				approx. ship wt.	user price
		115/1/60	230/1/60	230/3/60	460/3/60		
10L2A1	NEMA 1	to 1.5 hp	to 2 hp	to 3 hp	to 3 hp	3 lb	\$ 375
10L7E1	NEMA 1	to 1.5 hp	to 3 hp	to 5 hp	to 7.5 hp	3 lb	526
10L2A4	NEMA 4 – watertight	to 1.5 hp	to 2 hp	to 3 hp	to 3 hp	7 lb	583
10L7E4	NEMA 4 – watertight	to 1.5 hp	to 3 hp	to 5 hp	to 7.5 hp	7 lb	962
10P1A46	6 ft pendant control	to 1 hp	—	—	—	5 lb	312

SECTION 2 – POWER WINCHES CONT.

4WS SERIES – WORM/SPUR GEAR POWER WINCHES

When ordering, please indicate Model Number and Extensions. Please order wire rope and controls separately, see Section 8.



4WS1M6-1100-20-E-C

motor codes		
A	115 volt	1 phase
B	230 volt	1 phase
D	230 volt	3 phase
E	460 volt	3 phase
F	All other voltages – please contact factory	
PN	Please contact factory	

model number	model number extensions				description	approx. user price		
	load rating	line speed	motor codes	clutch option		ship wt. (lb)	115/230 1 phase	230/460 3 phase
4WS1M6	800	15	A, B, D, E, F	C	.5 hp – electric with brake, no controls	155	\$ 2,425	\$ 2,405
4WS1M6	800	30	A, B, D, E, F	C	.75 hp – electric with brake, no controls	165	2,660	2,625
4WS1M6	800	40	A, B, D, E, F	C	1 hp – electric with brake, no controls	175	2,700	2,680
4WS1M6	1100	20	A, B, D, E, F	C	.75 hp – electric with brake, no controls	165	2,640	2,610
4WS1M6	1100	30	A, B, D, E, F	C	1 hp – electric with brake, no controls	175	2,695	2,660
4WS1M6	1100	40	D, E, F	C	1.5 hp – electric with brake, no controls	170	—	2,740
4WS1M6	1500	20	A, B, D, E, F	C	1 hp – electric with brake, no controls	175	2,725	2,685
4WS1M6	1500	30	D, E, F	C	1.5 hp – electric with brake, no controls	170	—	2,780
4WS1M6	1500	40	B, D, E, F	C	2 hp – electric with brake, no controls	180	3,005	2,940
clutch option for 4WS1M6 (for horizontal pulling only) – add:						5	890	890
4WS3M10	2000	15	A, B, D, E, F	C	1 hp – electric with brake, no controls	310	3,495	3,460
4WS3M10	2000	20	D, E, F	C	1.5 hp – electric with brake, no controls	305	—	3,545
4WS3M10	2500	20	B, D, E, F	C	2 hp – electric with brake, no controls	320	3,760	3,705
4WS3M10	3000	15	D, E, F	C	1.5 hp – electric with brake, no controls	305	—	3,590
4WS3M10	3000	20	B, D, E, F	C	2 hp – electric with brake, no controls	320	3,810	3,750
4WS3M10	3500	7	A, B, D, E, F	C	1 hp – electric with brake, no controls	330	3,660	3,590
4WS3M10	3500	15	B, D, E, F	C	2 hp – electric with brake, no controls	320	3,890	3,825
4WS3M10	3500	20	D, E, F	C	3 hp – electric with brake, no controls	330	—	3,945
clutch option for 4WS3M10 (for horizontal pulling only) – add:						8	921	921
4WS6M12	3000	10	D, E, F	C	1.5 hp – electric with brake, no controls	515	—	5,530
4WS6M12	3000	20	B, D, E, F	C	2 hp – electric with brake, no controls	530	5,750	5,690
4WS6M12	4000	10	B, D, E, F	C	2 hp – electric with brake, no controls	530	5,880	5,820
4WS6M12	4000	20	D, E, F	C	3 hp – electric with brake, no controls	540	—	6,010
4WS6M12	6000	4	A, B, D, E, F	C	1 hp – electric with brake, no controls	535	6,120	6,050
4WS6M12	6000	10	D, E, F	C	3 hp – electric with brake, no controls	540	—	6,240
4WS6M12	6000	20	D, E, F	C	5 hp – electric with brake, no controls	585	—	6,540
clutch option for 4WS6M12 (for horizontal pulling only) – add:						12	1,130	1,130

ELECTRIC DRUM CONTROL SWITCHES

Drum control switches for 115 volt single phase motors up to 1.5 hp, include 8 ft power cord with grounded plug. Please specify voltage, phase, and motor hp when ordering. For magnetic reversing starters see Section 8.



10L2A1

model number	description	Voltage/Phase/Hertz with maximum rated motor hp				approx. ship wt.	user price
		115/1/60	230/1/60	230/3/60	460/3/60		
10L2A1	NEMA 1	to 1.5 hp	to 2 hp	to 3 hp	to 3 hp	3 lb	\$ 375
10L7E1	NEMA 1	to 1.5 hp	to 3 hp	to 5 hp	to 7.5 hp	3 lb	526
10L2A4	NEMA 4 – watertight	to 1.5 hp	to 2 hp	to 3 hp	to 3 hp	7 lb	583
10L7E4	NEMA 4 – watertight	to 1.5 hp	to 3 hp	to 5 hp	to 7.5 hp	7 lb	962
10P1A46	6 ft pendant control	to 1 hp	—	—	—	5 lb	312

SECTION 3 – POWER WINCHES

4WS SERIES – WORM/SPUR GEAR POWER WINCHES

When ordering, please indicate Model Number and Extensions. Please order wire rope and controls separately, see Section 8.



4WS9M18-10000-10-E

motor codes		
D	230 volt	3 phase
E	460 volt	3 phase
F	All other voltages – please contact factory.	

model number	model number extensions			description	approx. ship wt. (lb)	user price 230/460 3 phase
	load rating	line speed	motor codes			
4WS9M18	7000	20	D, E, F	5 hp – electric with brake, no controls	1,098	\$ 8,380
4WS9M18	7000	30	D, E, F	7.5 hp – electric with brake, no controls	1,095	8,830
4WS9M18	10000	10	D, E, F	5 hp – electric with brake, no controls	1,098	8,380
4WS9M18	10000	20	D, E, F	7.5 hp – electric with brake, no controls	1,095	8,830
4WS9M18	10000	30	D, E, F	10 hp – electric with brake, no controls	1,151	9,560
4WS16M20	13000	15	D, E, F	7.5 hp – electric with brake, no controls	1,550	13,930
4WS16M20	13000	20	D, E, F	10 hp – electric with brake, no controls	1,610	14,910
4WS16M20	13000	35	D, E, F	15 hp – electric with brake, no controls	1,650	16,220
4WS16M20	16000	15	D, E, F	7.5 hp – electric with brake, no controls	1,550	13,930
4WS16M20	16000	20	D, E, F	10 hp – electric with brake, no controls	1,610	14,910
4WS26M26	22000	20	D, E, F	15 hp – electric with brake, no controls	3,110	25,310
4WS26M26	22000	25	D, E, F	20 hp – electric with brake, no controls	3,290	26,450
4WS26M26	22000	35	D, E, F	25 hp – electric with brake, no controls	3,350	28,520
4WS26M26	26000	10	D, E, F	10 hp – electric with brake, no controls	3,070	24,280
4WS26M26	26000	15	D, E, F	15 hp – electric with brake, no controls	3,110	25,310

4HS Series – Helical/Spur Gear Power Winches

Clutch option is for horizontal pulling only. Weight shown is without clutch, contact factory for clutch weight. Please order wire rope and controls separately, see Section 8.



4HS11M-11000-20-D-C

motor codes		
D	230 volt	3 phase
E	460 volt	3 phase
F	All other voltages – please contact factory.	

model number	model number extensions				description	approx. ship wt. (lb)	user price	
	load rating	line speed	motor codes	clutch option			230/460 3 phase	clutch adder
4HS6M	5000	15	D, E, F	C	2 hp – electric with brake, no controls	568	\$ 6,810	\$ 1,780
4HS6M	5000	20	D, E, F	C	3 hp – electric with brake, no controls	588	6,970	1,780
4HS6M	5000	30	D, E, F	C	5 hp – electric with brake, no controls	588	7,060	1,780
4HS6M	6600	15	D, E, F	C	3 hp – electric with brake, no controls	588	6,970	1,780
4HS6M	6600	25	D, E, F	C	5 hp – electric with brake, no controls	588	7,060	1,780
4HS6M	6600	40	D, E, F	C	7.5 hp – electric with brake, no controls	645	7,670	1,780
4HS11M	9000	20	D, E, F	C	5 hp – electric with brake, no controls	1,074	10,070	2,330
4HS11M	9000	30	D, E, F	C	7.5 hp – electric with brake, no controls	1,120	10,590	2,330
4HS11M	9000	40	D, E, F	C	10 hp – electric with brake, no controls	1,160	11,550	2,330
4HS11M	11000	15	D, E, F	C	5 hp – electric with brake, no controls	1,074	10,070	2,330
4HS11M	11000	20	D, E, F	C	7.5 hp – electric with brake, no controls	1,120	10,590	2,330
4HS11M	11000	30	D, E, F	C	10 hp – electric with brake, no controls	1,160	11,550	2,330
4HS16M	13000	20	D, E, F	C	7.5 hp – electric with brake, no controls	1,573	12,930	2,800
4HS16M	13000	25	D, E, F	C	10 hp – electric with brake, no controls	1,633	13,800	2,800
4HS16M	13000	40	D, E, F	C	15 hp – electric with brake, no controls	1,674	15,030	2,800
4HS16M	16000	10	D, E, F	C	5 hp – electric with brake, no controls	1,516	12,350	2,800
4HS16M	16000	15	D, E, F	C	7.5 hp – electric with brake, no controls	1,573	12,930	2,800
4HS16M	16000	20	D, E, F	C	10 hp – electric with brake, no controls	1,633	13,800	2,800
4HS26M	22000	15	D, E, F	C	10 hp – electric with brake, no controls	3,122	23,250	3,320
4HS26M	22000	25	D, E, F	C	15 hp – electric with brake, no controls	3,164	24,230	3,320
4HS26M	22000	30	D, E, F	C	20 hp – electric with brake, no controls	3,343	25,260	3,320
4HS26M	26000	15	D, E, F	C	10 hp – electric with brake, no controls	3,122	23,250	3,320
4HS26M	26000	20	D, E, F	C	15 hp – electric with brake, no controls	3,164	24,230	3,320
4HS26M	26000	25	D, E, F	C	20 hp – electric with brake, no controls	3,343	25,260	3,320
4HS40M	33000	20	D, E, F	C	20 hp – electric with brake, no controls	5,568	41,720	5,580
4HS40M	33000	30	D, E, F	C	30 hp – electric with brake, no controls	5,652	43,020	5,580
4HS40M	33000	40	D, E, F	C	40 hp – electric with brake, no controls	5,799	44,840	5,580
4HS40M	40000	20	D, E, F	C	20 hp – electric with brake, no controls	5,568	41,720	5,580
4HS40M	40000	25	D, E, F	C	30 hp – electric with brake, no controls	5,652	43,020	5,580
4HS40M	40000	35	D, E, F	C	40 hp – electric with brake, no controls	5,799	44,840	5,580
4HS56M	48000	20	D, E, F	C	30 hp – electric with brake, no controls	9,217	58,380	6,300
4HS56M	48000	30	D, E, F	C	40 hp – electric with brake, no controls	9,364	60,320	6,300
4HS56M	52000	35	D, E, F	C	50 hp – electric with brake, no controls	9,479	63,340	6,300
4HS56M	56000	20	D, E, F	C	30 hp – electric with brake, no controls	9,217	58,380	6,300
4HS56M	56000	25	D, E, F	C	40 hp – electric with brake, no controls	9,364	60,320	6,300
4HS56M	56000	30	D, E, F	C	50 hp – electric with brake, no controls	9,479	63,340	6,300



4HS40M-33000-20-E-C

SECTION 3 – POWER WINCHES CONT.

4HPF SERIES – HELICAL/PARALLEL GEAR POWER WINCHES

When ordering, please indicate Model Number and Extensions. Please order wire rope and controls separately, see Section 8.



4HPF5M-5000-20-E

motor codes		
D	230 volt	3 phase
E	460 volt	3 phase
F	All other voltages – please contact factory.	

model number	model number extensions			description	approx. ship wt. (lb)	user price 230/460 3 phase
	load rating	line speed	motor codes			
4HPF2M	2000	20	D, E, F	1 hp – electric with brake, no controls	170	\$ 3,080
4HPF2M	2000	35	D, E, F	2 hp – electric with brake, no controls	200	3,310
4HPF3M	3000	20	D, E, F	1.5 hp – electric with brake, no controls	250	4,150
4HPF3M	3000	35	D, E, F	3 hp – electric with brake, no controls	260	4,435
4HPF5M	5000	20	D, E, F	3 hp – electric with brake, no controls	495	5,740
4HPF5M	5000	35	D, E, F	5 hp – electric with brake, no controls	495	5,820
4HPF7M	7000	25	D, E, F	5 hp – electric with brake, no controls	645	7,160
4HPF7M	7000	40	D, E, F	7.5 hp – electric with brake, no controls	760	7,560
4HPF9M	9000	20	D, E, F	5 hp – electric with brake, no controls	1,000	10,480
4HPF9M	9000	40	D, E, F	10 hp – electric with brake, no controls	1,115	11,880
4HPF15M	15000	25	D, E, F	10 hp – electric with brake, no controls	1,340	15,210
4HPF15M	15000	35	D, E, F	15 hp – electric with brake, no controls	1,370	16,220
4HPF20M	20000	20	D, E, F	10 hp – electric with brake, no controls	2,395	23,510
4HPF20M	20000	40	D, E, F	25 hp – electric with brake, no controls	2,620	26,720
4HPF25M	25000	20	D, E, F	15 hp – electric with brake, no controls	3,185	31,620
4HPF25M	25000	40	D, E, F	30 hp – electric with brake, no controls	3,440	32,750

4HPFC SERIES – HELICAL/PARALLEL GEAR POWER WINCHES WITH CLUTCH

Clutch option is for horizontal pulling only. When ordering, please indicate Model Number and Extensions. Please order wire rope and controls separately, see Section 8.



4HPF7MC-7000-25-D

motor codes		
D	230 volt	3 phase
E	460 volt	3 phase
F	All other voltages – please contact factory.	

model number	model number extensions			description	approx. ship wt. (lb)	user price 230/460 3 phase
	load rating	line speed	motor codes			
4HPF2MC	2000	20	D, E, F	1 hp – electric with brake and clutch, no controls	265	\$ 4,545
4HPF2MC	2000	35	D, E, F	2 hp – electric with brake and clutch, no controls	295	4,755
4HPF3MC	3000	20	D, E, F	1.5 hp – electric with brake and clutch, no controls	275	5,780
4HPF3MC	3000	35	D, E, F	3 hp – electric with brake and clutch, no controls	295	6,050
4HPF5MC	5000	20	D, E, F	3 hp – electric with brake and clutch, no controls	545	8,000
4HPF5MC	5000	35	D, E, F	5 hp – electric with brake and clutch, no controls	545	8,090
4HPF7MC	7000	25	D, E, F	5 hp – electric with brake and clutch, no controls	700	9,800
4HPF7MC	7000	35	D, E, F	7.5 hp – electric with brake and clutch, no controls	755	10,320
4HPF9MC	9000	20	D, E, F	5 hp – electric with brake and clutch, no controls	1,245	14,390
4HPF9MC	9000	40	D, E, F	10 hp – electric with brake and clutch, no controls	1,360	15,510
4HPF15MC	15000	20	D, E, F	10 hp – electric with brake and clutch, no controls	1,580	20,130
4HPF15MC	15000	35	D, E, F	15 hp – electric with brake and clutch, no controls	1,620	21,110

4HWF SERIES – HELICAL/WORM GEAR POWER WINCHES

When ordering, please indicate Model Number and Extensions. Please order wire rope and controls separately, see Section 8.



4HWF2M-2000-25-E

motor codes		
D	230 volt	3 phase
E	460 volt	3 phase
F	All other voltages – please contact factory.	

model number	model number extensions			description	approx. ship wt. (lb)	user price 230/460 3 phase
	load rating	line speed	motor codes			
4HWF1M	1500	25	D, E, F	1.5 hp – electric with brake, no controls	190	\$ 3,610
4HWF1M	1500	35	D, E, F	2 hp – electric with brake, no controls	190	3,665
4HWF2M	2000	25	D, E, F	2 hp – electric with brake, no controls	235	4,040
4HWF2M	2000	35	D, E, F	3 hp – electric with brake, no controls	255	4,225
4HWF4M	4000	25	D, E, F	3 hp – electric with brake, no controls	480	5,900
4HWF4M	4000	35	D, E, F	5 hp – electric with brake, no controls	480	5,950
4HWF6M	6000	25	D, E, F	5 hp – electric with brake, no controls	650	7,680
4HWF6M	6000	35	D, E, F	7.5 hp – electric with brake, no controls	705	7,990
4HWF8M	8000	25	D, E, F	7.5 hp – electric with brake, no controls	1,120	12,110
4HWF8M	8000	35	D, E, F	10 hp – electric with brake, no controls	1,180	13,190

Ordering your crane is as easy as 1...2...3...

- 1** Base Model Crane
- 2** Winch Model (order wire rope separately)
- 3** Optional Finish* (crane only)
*leave blank for standard powder coat finish

For Example:

A 5122 Crane, with a M3 Winch and Stainless Steel Finish on Crane is Model No. 5122M3SS (\$1,565)

Order wire rope separately, see Section 9.



5122M1 with 522 Pedestal Base (base sold separately)



5110M1 with 510R Wheel Base (base sold separately)



B1766 Wire Rope Keeper

SECTION 4 – CRANES

model no.	description	approx. ship wt.	user price
5122 SERIES – PORTABLE DAVIT CRANES			
1	5122 up to 500 lb – portable davit – base model – powder coated – no winch	54 lb	\$ 323
2	M1 M4022PB-K – spur gear hand winch only – zinc plated	17 lb	318
	M3 M4042PBSS-K – spur gear hand winch only – stainless steel	24 lb	843
	M4 TSSBW600-K – spur gear hand winch only – stainless steel	9 lb	286
3	GAL galvanized finish – on crane only		67
	SS 304 stainless steel construction – on crane only		463
5122 SERIES – BASES AND ACCESSORIES – SOLD SEPARATELY			
■	522 pedestal/socket base – powder coat finish – upright or flush mount	18 lb	\$ 125
■	522GAL pedestal/socket base – galvanized finish – upright or flush mount	18 lb	146
■	522SS pedestal/socket base – stainless steel – upright or flush mount	18 lb	250
■	522W wall mount base – powder coat finish	21 lb	240
■	522WGAL wall mount base – galvanized finish	21 lb	281
■	522SSW wall mount base – stainless steel	21 lb	422
■	514 wheel base – enamel finish	80 lb	583
■	TK2P base cover for 5122 bases – plastic		12
■	B1766 wire rope keeper – metal		13
■	RW50 cable spool – stainless steel	12 lb	286
5122 SERIES – POPULAR CONFIGURATIONS			
	5122M1 up to 500 lb davit crane with M4022PB-K spur gear hand winch	71 lb	\$ 641
	5122M1GAL up to 500 lb davit crane with M4022PB-K spur gear hand winch – galvanized finish	71 lb	708
	5122M3SS up to 500 lb davit crane with M4042PBSS-K spur gear hand winch – stainless steel	78 lb	1,629
Cranes and bases also available in 316 stainless steel, please contact factory for more information.			
5110 SERIES – PORTABLE DAVIT CRANES			
1	5110 up to 1000 lb – portable davit – base model – powder coated – no winch	160 lb	\$ 832
2	M1 M4312PB-K – spur gear hand winch only – zinc plated	28 lb	536
	M2 4WM2-K – worm gear hand winch only – powder coated (for epoxy finish call factory)	42 lb	666
	M3 M4312PBSS-K – spur gear hand winch only – stainless steel	28 lb	1,125
	M4 TSSBW1300-K – spur gear hand winch only – stainless steel	22 lb	630
2	E2 4WP2-K electric winch – 115/1/60 VAC with 6 ft pendant control – enamel	85 lb	1,630
	E2X 4WP2-K electric winch – 115/1/60 VAC with 6 ft pendant control – epoxy	85 lb	2,270
	E4 4777-K electric winch – 115/1/60 VAC with 6 ft pendant control – enamel	110 lb	2,135
	E4X 4777-K electric winch – 115/1/60 VAC with 6 ft pendant control – epoxy	110 lb	2,585
3	E4DC 4777DC-K electric winch – 12 volt DC with 10 ft pendant control – enamel	105 lb	2,920
	GAL galvanized finish – on crane only		162
	SS 304 stainless steel construction – on crane only		1,043
5110 SERIES – BASES AND ACCESSORIES – SOLD SEPARATELY			
■	510 pedestal base – powder coat finish – upright mount	52 lb	\$ 297
■	510GAL pedestal base – galvanized finish – upright mount	52 lb	364
■	510SS pedestal base – stainless steel – upright mount	52 lb	572
■	510F socket base – powder coat finish – flush mount	45 lb	203
■	510FGAL socket base – galvanized finish – flush mount	45 lb	229
■	510SSF socket base – stainless steel – flush mount	45 lb	385
■	510W wall mount base – powder coat finish	52 lb	354
■	510WGAL wall mount base – galvanized finish	52 lb	422
■	510SSW wall mount base – stainless steel	52 lb	656
■	510R wheel base – enamel finish	313 lb	1,255
■	ED120ML heavy-duty drill-motor drive – 10 amp, 250 rpm – 120 VAC with 1 1/8" hex socket drive	25 lb	1,530
■	ED120BD drill-motor drive – 7 amp, 400 rpm – 120 VAC with 1 1/8" hex socket drive	12 lb	645
■	TK3P base covers for 5110 – plastic		15
■	B1766 wire rope keeper – metal		13
■	RW50 cable spool – stainless steel	12 lb	286
5110 SERIES – POPULAR CONFIGURATIONS			
	5110M1 up to 1000 lb davit crane with M4312PB-K spur gear hand winch	188 lb	\$1,368
	5110M1GAL up to 1000 lb davit crane with M4312PB-K spur gear hand winch – galvanized finish	188 lb	1,530
	5110M2 up to 1000 lb davit crane with 4WM2-K worm gear hand winch	202 lb	1,498
	5110M3SS up to 1000 lb davit crane with M4312PBSS-K spur gear hand winch – stainless steel	188 lb	3,000
	5110E4 up to 1000 lb davit crane with 4777-K electric winch	270 lb	2,967
Cranes and bases also available in 316 stainless steel, please contact factory for more information.			

SECTION 4 – CRANES CONT.



**5124M1 with 524 Pedestal Base
(base sold separately)**



RW50 Cable Spool



**5PT30J-M1 with 5BP30
Pedestal Base
(base sold separately)**

Form PS10-0210

model no.	description	approx. ship wt.	user price
5124 SERIES – PORTABLE DAVIT CRANES			
7	5124	up to 2000 lb – portable davit – base model – powder coated – no winch	253 lb \$ 1,490
1	M1	M4312PB-K – spur gear hand winch only – zinc plated	28 lb 536
	M2	4WM2-K – worm gear hand winch only – powder coated (for epoxy finish call factory)	42 lb 666
	M3	M4312PBSS-K – spur gear hand winch only – stainless steel	28 lb 1,125
	M4 ¹	TSSBW1300-K – spur gear hand winch only – stainless steel	22 lb 630
2	E2	4WP2-K electric winch – 115/1/60 VAC with 6 ft pendant control – enamel	85 lb 1,630
	E2X	4WP2-K electric winch – 115/1/60 VAC with 6 ft pendant control – epoxy	85 lb 2,270
	E4	4777-K electric winch – 115/1/60 VAC with 6 ft pendant control – enamel	110 lb 2,135
	E4X	4777-K electric winch – 115/1/60 VAC with 6 ft pendant control – epoxy	110 lb 2,585
3	E4DC	4777DC-K electric winch – 12 volt DC with 10 ft pendant control – enamel	105 lb 2,920
	GAL	galvanized finish – on crane only	295
	SS	304 stainless steel construction – on crane only	2,245

Maximum crane capacity reduced to 1,300 lb with M4 winch option.

5124 SERIES – BASES AND ACCESSORIES – SOLD SEPARATELY			
■	524	pedestal base – powder coat finish – upright mount	69 lb \$ 385
■	524GAL	pedestal base – galvanized finish – upright mount	69 lb 463
■	524SS	pedestal base – stainless steel – upright mount	69 lb 812
■	524F	socket base – powder coat finish – flush mount	58 lb 292
■	524FGAL	socket base – galvanized finish – flush mount	58 lb 354
■	524SSF	socket base – stainless steel – flush mount	58 lb 630
■	524W	wall mount base – powder coat finish	85 lb 448
■	524WGAL	wall mount base – galvanized finish	85 lb 531
■	524SSW	wall mount base – stainless steel	85 lb 968
■	524R	wheel base – enamel finish	445 lb 1,600
■	ED120ML	heavy-duty drill-motor drive – 10 amp, 250 rpm – 120 VAC with 1 1/8" hex socket drive	25 lb 1,530
■	ED120BD	drill-motor drive – 7 amp, 400 rpm – 120 VAC with 1 1/8" hex socket drive	12 lb 645
■	TK4P	base cover for 5124 – plastic	18
■	B1766	wire rope keeper – metal	13
■	RW50	cable spool – stainless steel	12 lb 286

5124 SERIES – POPULAR CONFIGURATIONS			
5124M1	up to 2000 lb davit crane with M4312PB-K spur gear hand winch	281 lb	\$2,026
5124M1GAL	up to 2000 lb davit crane with M4312PB-K spur gear hand winch – galvanized finish	281 lb	2,321
5124M2	up to 2000 lb davit crane with 4WM2-K worm gear hand winch	295 lb	2,156
5124M2GAL	up to 2000 lb davit crane with 4WM2-K worm gear hand winch – galvanized finish	295 lb	2,451
5124M3SS	up to 2000 lb davit crane with M4312PBSS-K spur gear hand winch – stainless steel	281 lb	4,860
5124E2	up to 2000 lb davit crane with 4WP2-K electric winch	338 lb	3,120

Cranes and bases also available in 316 stainless steel, please contact factory for more information.

5PT30 SERIES – TRANSPORTABLE DAVIT CRANES			
1	5PT30	up to 3000 lb – boom brace – enamel finish – no winch	563 lb \$ 5,310
	5PT30J	up to 3000 lb – adjustable ratchet-jack – enamel finish – no winch	628 lb 6,120
2	G	galvanized finish – on crane and ratchet-jack	- 916
	X	epoxy finish – on crane and ratchet-jack	- 1,840
3	M1	M452B-K – spur gear hand winch only – enamel finish	78 lb 1,325
	M1X	M452BEGRA-K – spur gear hand winch only – epoxy finish	78 lb 1,725
	E5A1	4WS3M6-K1A1 electric winch - 115/1/60 VAC with 6 ft pendant control - enamel	300 lb 4,030
	E5XA1	4WS3M6-K1XA1 electric winch - 115/1/60 VAC with 6 ft pendant control - epoxy	300 lb 5,250

5PT30 SERIES – BASES AND ACCESSORIES – SOLD SEPARATELY			
■	5BP30	pedestal base - enamel finish - upright mount	200 lb \$ 671
■	5BP30G	pedestal base - galvanized finish - upright mount	200 lb 775
■	5BP30X	pedestal base - epoxy finish - upright mount	200 lb 874
■	5BF30	socket base - enamel finish - flush mount	200 lb 723
■	5BF30G	socket base - galvanized finish - flush mount	200 lb 832
■	5BF30X	socket base - epoxy finish - flush mount	200 lb 942
■	5BW30	wall mount base - enamel finish	200 lb 988
■	5BW30G	wall mount base - galvanized finish	200 lb 1,140
■	5BW30X	wall mount base - epoxy finish	200 lb 1,285

5PT30 SERIES – POPULAR CONFIGURATIONS			
5PT30J-M1	3000 lb davit crane with M452B-K hand winch and ratchet jack	706 lb	\$7,445
5PT30J-E5A1	3000 lb davit crane with 4WS3M6-K1A1 electric winch and ratchet jack	863 lb	10,150
5PT30JG-M1	3000 lb davit crane with M452B-K hand winch and ratchet jack - galvanized	706 lb	8,361
5PT30JG-E5A1	3000 lb davit crane with 4WS3M6-K1A1 electric winch and ratchet jack - galvanized	863 lb	11,066
5PT30JG-M1X	3000 lb davit crane with M452BEGRA-K hand winch (epoxy) and ratchet jack - galvanized	706 lb	8,761

SECTION 4 – CRANES CONT.

model no.	description	approx. ship wt.	user price
571 AND 572 SERIES – FRE ROL DAVIT CRANES			
Other configurations available, please contact factory.			
571M1	up to 1500 lb – with M4312PB-K spur gear hand winch	425 lb	\$ 3,495
571M2	up to 1500 lb – with 4WM2V-K worm gear hand winch	450 lb	3,685
571E2	up to 1500 lb – with 4WP2-K electric winch – 115 VAC, 1 phase, 6 ft pendant control	475 lb	4,275
571E4	up to 1500 lb – with 4777-K electric winch – 115 VAC, 1 phase, 6 ft pendant control	489 lb	4,890
572M1	up to 2200 lb – with M452B-K spur gear hand winch	720 lb	4,655
572E3	up to 2000 lb – with 4771-K electric winch – 115 VAC, 1 phase, 6 ft pendant control	750 lb	5,390
572E5	up to 2200 lb – with 4WS3M6-K electric winch – 115 VAC, 1 phase, 6 ft pendant control	889 lb	6,680
■ SJ1	ratchet style screw-jack for Series 571 (replaces standard boom brace)	37 lb	666
■ SJ2	ratchet style screw-jack for Series 572 (replaces standard boom brace)	97 lb	1,110
■ EPOXY	epoxy finish available on Fre Rol crane, electric winches and screw-jacks		add 30%
■ ED120ML	heavy-duty drill-motor drive – 10 amp, 250 rpm – 120 VAC with 1 1/8" hex socket drive	25 lb	1,530
■ ED120BD	drill-motor drive – 7 amp, 400 rpm – 120 VAC with 1 1/8" hex socket drive	12 lb	645
■ RW50	cable spool – stainless steel	12 lb	286
PORTABLE FLOOR CRANE			
548	1000 lb – manual hydraulic pump operation – collapsible	154 lb	\$ 1,715



571M1

SECTION 9 – WIRE ROPE

model no.	description	approx. ship wt.	user price
Wire Rope Assemblies			
For additional wire rope assemblies, please contact the factory.			
WA19-20NS	3/16 in x 20 ft – galvanized aircraft cable with swivel hook and swaged ball fitting	3 lb	\$ 74
WA19-28NS	3/16 in x 28 ft – galvanized aircraft cable with swivel hook and swaged ball fitting	4 lb	81
WA19-36NS	3/16 in x 36 ft – galvanized aircraft cable with swivel hook and swaged ball fitting	4 lb	84
WA19-45NS	3/16 in x 45 ft – galvanized aircraft cable with swivel hook and swaged ball fitting	7 lb	100
WA25-20NS	1/4 in x 20 ft – galvanized aircraft cable with swivel hook and swaged ball fitting	4 lb	83
WA25-28NS	1/4 in x 28 ft – galvanized aircraft cable with swivel hook and swaged ball fitting	5 lb	87
WA25-36NS	1/4 in x 36 ft – galvanized aircraft cable with swivel hook and swaged ball fitting	6 lb	94
WA25-45NS	1/4 in x 45 ft – galvanized aircraft cable with swivel hook and swaged ball fitting	7 lb	113
WA25-60NS	1/4 in x 60 ft – galvanized aircraft cable with swivel hook and swaged ball fitting	9 lb	121
WA25-75NS	1/4 in x 75 ft – galvanized aircraft cable with swivel hook and swaged ball fitting	11 lb	147
WA31-20DS	5/16 in x 20 ft – galvanized aircraft cable with swivel hook and unfinished end	6 lb	109
WA31-28DS	5/16 in x 28 ft – galvanized aircraft cable with swivel hook and unfinished end	7 lb	120
WA31-36DS	5/16 in x 36 ft – galvanized aircraft cable with swivel hook and unfinished end	8 lb	128
WA31-45DS	5/16 in x 45 ft – galvanized aircraft cable with swivel hook and unfinished end	10 lb	142
WA31-60DS	5/16 in x 60 ft – galvanized aircraft cable with swivel hook and unfinished end	12 lb	150
WA31-75DS	5/16 in x 75 ft – galvanized aircraft cable with swivel hook and unfinished end	15 lb	160
WA38-28DS	3/8 in x 28 ft – galvanized aircraft cable with swivel hook and unfinished end	8 lb	286
WA38-36DS	3/8 in x 36 ft – galvanized aircraft cable with swivel hook and unfinished end	10 lb	312
WA38-45DS	3/8 in x 45 ft – galvanized aircraft cable with swivel hook and unfinished end	11 lb	344
WA38-60DS	3/8 in x 60 ft – galvanized aircraft cable with swivel hook and unfinished end	14 lb	390
WA38-75DS	3/8 in x 75 ft – galvanized aircraft cable with swivel hook and unfinished end	17 lb	442
WS19-20NO	3/16 in x 20 ft – 304 stainless steel wire rope with SS oval hook and swaged ball fitting	3 lb	137
WS19-28NO	3/16 in x 28 ft – 304 stainless steel wire rope with SS oval hook and swaged ball fitting	3 lb	145
WS19-36NO	3/16 in x 36 ft – 304 stainless steel wire rope with SS oval hook and swaged ball fitting	4 lb	154
WS19-45NO	3/16 in x 45 ft – 304 stainless steel wire rope with SS oval hook and swaged ball fitting	7 lb	167
WS19-60NO	3/16 in x 60 ft – 304 stainless steel wire rope with SS oval hook and swaged ball fitting	9 lb	185
WS19-75NO	3/16 in x 75 ft – 304 stainless steel wire rope with SS oval hook and swaged ball fitting	11 lb	213
WS25-20NE	1/4 in x 20 ft – 304 stainless steel wire rope with SS eye hook and swaged ball fitting	5 lb	187
WS25-28NE	1/4 in x 28 ft – 304 stainless steel wire rope with SS eye hook and swaged ball fitting	5 lb	198
WS25-36NE	1/4 in x 36 ft – 304 stainless steel wire rope with SS eye hook and swaged ball fitting	6 lb	208
WS25-45NE	1/4 in x 45 ft – 304 stainless steel wire rope with SS eye hook and swaged ball fitting	7 lb	243
WS25-60NE	1/4 in x 60 ft – 304 stainless steel wire rope with SS eye hook and swaged ball fitting	9 lb	290
WS25-75NE	1/4 in x 75 ft – 304 stainless steel wire rope with SS eye hook and swaged ball fitting	11 lb	322
WS31-20DE	5/16 in x 20 ft – 304 stainless steel wire rope with SS eye hook and unfinished end	6 lb	256
WS31-28DE	5/16 in x 28 ft – 304 stainless steel wire rope with SS eye hook and unfinished end	7 lb	271
WS31-36DE	5/16 in x 36 ft – 304 stainless steel wire rope with SS eye hook and unfinished end	9 lb	284
WS31-45DE	5/16 in x 45 ft – 304 stainless steel wire rope with SS eye hook and unfinished end	11 lb	303
WS31-60DE	5/16 in x 60 ft – 304 stainless steel wire rope with SS eye hook and unfinished end	14 lb	335
WS31-75DE	5/16 in x 75 ft – 304 stainless steel wire rope with SS eye hook and unfinished end	17 lb	368
WS38-28DS	3/8 in x 28 ft – 304 stainless steel wire rope with SS swivel hook and unfinished end	8 lb	307
WS38-36DS	3/8 in x 36 ft – 304 stainless steel wire rope with SS swivel hook and unfinished end	10 lb	333
WS38-45DS	3/8 in x 45 ft – 304 stainless steel wire rope with SS swivel hook and unfinished end	12 lb	359
WS38-60DS	3/8 in x 60 ft – 304 stainless steel wire rope with SS swivel hook and unfinished end	15 lb	411
WS38-75DS	3/8 in x 75 ft – 304 stainless steel wire rope with SS swivel hook and unfinished end	18 lb	458



548



WA25-28NS

SECTION 8 – CONTROLS

ELECTRIC MOTOR CONTROLS – SINGLE SPEED REVERSING MOTOR STARTERS

Starters listed include NEMA 4 rated pendant control on 50 foot cord.

Please specify voltage, phase, and motor hp when ordering. Contact factory for required voltages and options.



10S3C4

model number	maximum rated motor horsepower for power supply current					approx. ship wt.	user price
	115/1/60	230/1/60	208/3/60	230/3/60	460/3/60		
10S2A4	to 1.5 hp	—	—	—	—	25 lb	\$1,280
10S3B4	—	to 3 hp	—	—	—	25 lb	1,295
10S3C4	—	—	to 3 hp	—	—	25 lb	1,055
10S7C4	—	—	to 7.5 hp	—	—	25 lb	962
10S10C4	—	—	to 10 hp	—	—	28 lb	1,415
10S20C4	—	—	to 20 hp	—	—	28 lb	1,640
10S3D4	—	—	—	to 3 hp	—	25 lb	1,040
10S7D4	—	—	—	to 7.5 hp	—	25 lb	1,195
10S10D4	—	—	—	to 10 hp	—	28 lb	1,405
10S20D4	—	—	—	to 20 hp	—	28 lb	1,965
10S30D4	—	—	—	to 30 hp	—	60 lb	2,770
10S7E4	—	—	—	—	to 7.5 hp	25 lb	994
10S15E4	—	—	—	—	to 15 hp	25 lb	1,345
10S20E4	—	—	—	—	to 20 hp	28 lb	1,295
10S40E4	—	—	—	—	to 40 hp	60 lb	2,400
10S60E4	—	—	—	—	to 60 hp	60 lb	4,670

ELECTRIC DRUM CONTROL SWITCHES

Drum control switches for 115 volt single phase motors up to 1.5 hp, include 8 ft power cord with grounded plug. Please specify voltage, phase, and motor hp when ordering. For magnetic reversing starters see Section 8.



10L2A1

model number	description	Voltage/Phase/Hertz with maximum rated motor hp				approx. ship wt.	user price
		115/1/60	230/1/60	230/3/60	460/3/60		
10L2A1	NEMA 1	to 1.5 hp	to 2 hp	to 3 hp	to 3 hp	3 lb	\$ 375
10L7E1	NEMA 1	to 1.5 hp	to 3 hp	to 5 hp	to 7.5 hp	3 lb	526
10L2A4	NEMA 4 – watertight	to 1.5 hp	to 2 hp	to 3 hp	to 3 hp	7 lb	583
10L7E4	NEMA 4 – watertight	to 1.5 hp	to 3 hp	to 5 hp	to 7.5 hp	7 lb	962
10P1A46	6 ft pendant control	to 1 hp	—	—	—	5 lb	312

ELECTRIC MOTOR CONTROLS – VARIABLE SPEED REVERSING MOTOR STARTERS

All enclosures are rated NEMA 12. Starters listed include NEMA 4 rated pendant control with 3 step infinitely variable speed push buttons on 50 foot cord.

Please specify voltage, phase, and motor hp when ordering. Contact factory for other required voltages and options. IMPORTANT! Please see notes below before ordering.



Variable Speed Control

model number	voltage/phase/hertz with maximum rated motor hp ¹²	approx. ship wt.	user price ³
10V1D12L	230/3/60, 1 hp, 10:1 variable speed drive	100 lb	\$ 4,540
10V2D12L	230/3/60, 2 hp, 10:1 variable speed drive	100 lb	5,100
10V3D12L	230/3/60, 3 hp, 10:1 variable speed drive	100 lb	5,450
10V5D12L	230/3/60, 5 hp, 10:1 variable speed drive	100 lb	6,370
10V7D12L	230/3/60, 7.5 hp, 10:1 variable speed drive	120 lb	7,560
10V10D12L	230/3/60, 10 hp, 10:1 variable speed drive	120 lb	8,230
10V15D12L	230/3/60, 15 hp, 10:1 variable speed drive	120 lb	11,160
10V20D12L	230/3/60, 20 hp, 10:1 variable speed drive	210 lb	14,930
10V25D12L	230/3/60, 25 hp, 10:1 variable speed drive	210 lb	19,680
10V1E12L	460/3/60, 1 hp, 10:1 variable speed drive	100 lb	4,645
10V2E12L	460/3/60, 2 hp, 10:1 variable speed drive	100 lb	4,885
10V3E12L	460/3/60, 3 hp, 10:1 variable speed drive	100 lb	5,510
10V5E12L	460/3/60, 5 hp, 10:1 variable speed drive	100 lb	6,600
10V7E12L	460/3/60, 7.5 hp, 10:1 variable speed drive	100 lb	7,530
10V10E12L	460/3/60, 10 hp, 10:1 variable speed drive	100 lb	8,600
10V15E12L	460/3/60, 15 hp, 10:1 variable speed drive	120 lb	12,100
10V20E12L	460/3/60, 20 hp, 10:1 variable speed drive	180 lb	15,100
10V25E12L	460/3/60, 25 hp, 10:1 variable speed drive	180 lb	17,800

¹ When ordering winch, specify brake voltage to be the same as motor voltage, leads must be capable of being wired separate from motor power.

² Contact factory to verify drive compatibility to winch and motor.

³ Price includes dynamic brake resistor to be mounted and wired by others.

Explosion Proof Controls also available, please contact factory for more information.

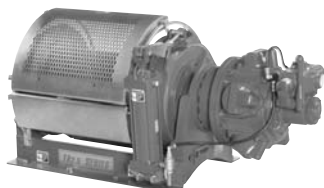
SECTION 15 – UTILITY RATED AIR WINCHES



TA2-24MX1

TA2 SERIES UTILITY RATED — RADIAL PISTON AIR DRIVEN POWER WINCHES ^{1,2}					
model number	1st layer load rating	line speed (fpm)	description	approx. ship wt.	user price
TA2-16MX1	7200 lb	30-46	7.1 hp winch, 16" drum, manual brake	1,000 lb	\$ 20,040
TA2-24MX1	7200 lb	30-46	7.1 hp winch, 24" drum, manual brake	1,100 lb	19,700
TA2-16AX1	7200 lb	30-46	7.1 hp winch, 16" drum, auto band brake	1,000 lb	22,410
TA2-24AX1	7200 lb	30-46	7.1 hp winch, 24" drum, auto band brake	1,100 lb	22,090

TA2H SERIES UTILITY RATED — RADIAL PISTON AIR DRIVEN POWER WINCHES ^{1,2}					
TA2H-16MX1	3600 lb	61-94	7.1 hp winch, 16" drum, manual brake	1,000 lb	\$ 20,190
TA2H-24MX1	3600 lb	61-94	7.1 hp winch, 24" drum, manual brake	1,100 lb	19,860
TA2H-16AX1	3600 lb	61-94	7.1 hp winch, 16" drum, auto band brake	1,000 lb	22,560
TA2H-24AX1	3600 lb	61-94	7.1 hp winch, 24" drum, auto band brake	1,100 lb	22,250



**TA2.5-16AX1 with TA2/2.5-16GL
Drum Guard and Line Guide**

TA2.5 SERIES UTILITY RATED — RADIAL PISTON AIR DRIVEN POWER WINCHES ^{1,2}					
TA2.5-16MX1	7200 lb	79-114	18.3 hp winch, 16" drum, manual brake	1,615 lb	\$ 27,180
TA2.5-24MX1	7200 lb	79-114	18.3 hp winch, 24" drum, manual brake	1,700 lb	26,810
TA2.5-16AX1	7200 lb	79-114	18.3 hp winch, 16" drum, auto band brake	1,615 lb	29,720
TA2.5-24AX1	7200 lb	79-114	18.3 hp winch, 24" drum, auto band brake	1,700 lb	29,340



TA5-30AX1

TA5 SERIES UTILITY RATED — RADIAL PISTON AIR DRIVEN POWER WINCHES ^{1,2}					
TA5-16MX1	18,000 lb	30-47	17.8 hp winch, 16" drum, manual brake	2,460 lb	\$ 36,880
TA5-24MX1	18,000 lb	30-47	17.8 hp winch, 24" drum, manual brake	2,625 lb	36,510
TA5-30MX1	18,000 lb	30-47	17.8 hp winch, 30" drum, manual brake	2,750 lb	37,340
TA5-16AX1	18,000 lb	30-47	17.8 hp winch, 16" drum, auto band brake	2,460 lb	39,570
TA5-24AX1	18,000 lb	30-47	17.8 hp winch, 24" drum, auto band brake	2,625 lb	39,190
TA5-30AX1	18,000 lb	30-47	17.8 hp winch, 30" drum, auto band brake	2,750 lb	40,020

TA7 SERIES UTILITY RATED — RADIAL PISTON AIR DRIVEN POWER WINCHES ^{1,2}					
TA7-24MX1	23,600 lb	19-29	14.4 hp winch, 24" drum, manual brake	3,435 lb	\$ 39,370
TA7-30MX1	23,600 lb	19-29	14.4 hp winch, 30" drum, manual brake	3,620 lb	40,540
TA7-36MX1	23,600 lb	19-29	14.4 hp winch, 36" drum, manual brake	3,800 lb	41,730
TA7-24AX1	23,600 lb	19-29	14.4 hp winch, 24" drum, auto band brake	3,435 lb	42,240
TA7-30AX1	23,600 lb	19-29	14.4 hp winch, 30" drum, auto band brake	3,620 lb	43,420
TA7-36AX1	23,600 lb	19-29	14.4 hp winch, 36" drum, auto band brake	3,800 lb	44,590



TA10-30MX1

TA10 SERIES UTILITY RATED — RADIAL PISTON AIR DRIVEN POWER WINCHES ^{1,2}					
TA10-30MX1	37,000 lb	20-34	27 hp winch, 30" drum, manual band brake	3,220 lb	\$ 63,680
TA10-40MX1	37,000 lb	20-34	27 hp winch, 40" drum, manual band brake	3,515 lb	67,470
TA10-60MX1	37,000 lb	20-34	27 hp winch, 60" drum, manual band brake	4,105 lb	72,360
TA10-30AX1	37,000 lb	20-34	27 hp winch, 30" drum, auto band brake	3,234 lb	66,400
TA10-40AX1	37,000 lb	20-34	27 hp winch, 40" drum, auto band brake	3,530 lb	70,190
TA10-60AX1	37,000 lb	20-34	27 hp winch, 60" drum, auto band brake	4,120 lb	75,080

¹ All TA utility winches include throttle lever control.

² Please order wire rope separately, see Section 8.

SECTION 15 – PERSONNEL RATED AIR WINCHES⁷



TA2P-16MK1

TA2P SERIES PERSONNEL RATED — RADIAL PISTON AIR DRIVEN POWER WINCHES^{2,3}

model number	1st layer load rating	line speed (fpm)	description	approx. ship wt.	user price
TA2P-16MK1	4,500 lb	46-70	6.8 hp winch, 16" drum, manual band brake, auto disc brake	995 lb	\$ 24,620
TA2P-24MK1	4,500 lb	46-70	6.8 hp winch, 24" drum, manual band brake, auto disc brake	1,085 lb	24,290
TA2P-16AK1	4,500 lb	46-70	6.8 hp winch, 16" drum, auto band brake, auto disc brake	1,025 lb	26,990
TA2P-24AK1	4,500 lb	46-70	6.8 hp winch, 24" drum, auto band brake, auto disc brake	1,120 lb	26,680

TA2HP SERIES PERSONNEL RATED — RADIAL PISTON AIR DRIVEN POWER WINCHES^{2,3}

TA2HP-16MK1	3,600 lb	61-94	7.1 hp winch, 16" drum, manual brake, auto disc brake	995 lb	24,780
TA2HP-24MK1	3,600 lb	61-94	7.1 hp winch, 24" drum, manual brake, auto disc brake	1,085 lb	24,440
TA2HP-16AK1	3,600 lb	61-94	7.1 hp winch, 16" drum, auto band brake, auto disc brake	1,025 lb	27,150
TA2HP-24AK1	3,600 lb	61-94	7.1 hp winch, 24" drum, auto band brake, auto disc brake	1,120 lb	26,840

TA2.5P SERIES PERSONNEL RATED — RADIAL PISTON AIR DRIVEN POWER WINCHES^{2,3}

TA2.5P-16MK1	4,500 lb	112-162	16.2 hp winch, 16" drum, manual brake, auto disc brake	1,265 lb	32,050
TA2.5P-24MK1	4,500 lb	112-162	16.2 hp winch, 24" drum, manual brake, auto disc brake	1,350 lb	31,680
TA2.5P-16AK1	4,500 lb	112-162	16.2 hp winch, 16" drum, auto band brake, auto disc brake	1,300 lb	34,590
TA2.5P-24AK1	4,500 lb	112-162	16.2 hp winch, 24" drum, auto band brake, auto disc brake	1,385 lb	34,220

TA5P SERIES PERSONNEL RATED — RADIAL PISTON AIR DRIVEN POWER WINCHES^{2,3}

TA5P-16MK1	10,700 lb	47-74	16.7 hp winch, 16" drum, manual brake, auto disc brake	2,535 lb	41,760
TA5P-24MK1	10,700 lb	47-74	16.7 hp winch, 24" drum, manual brake, auto disc brake	2,700 lb	41,380
TA5P-30MK1	10,700 lb	47-74	16.7 hp winch, 30" drum, manual brake, auto disc brake	2,825 lb	42,210
TA5P-16AK1	10,700 lb	47-74	16.7 hp winch, 16" drum, auto band brake, auto disc brake	2,570 lb	44,440
TA5P-24AK1	10,700 lb	47-74	16.7 hp winch, 24" drum, auto band brake, auto disc brake	2,735 lb	44,060
TA5P-30AK1	10,700 lb	47-74	16.7 hp winch, 30" drum, auto band brake, auto disc brake	2,860 lb	44,900

¹ Personnel rated per ABS 2006 Guide for Certification of Drilling Systems.

² All TA personnel winches include lever handle control valve, 2 mufflers and ABS Type approval.

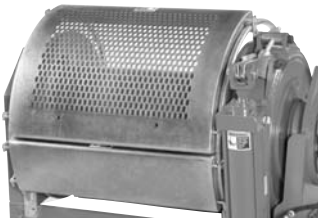
³ Please order wire rope separately, see Section 8.

SECTION 15 – AIR WINCH OPTIONS

TA SERIES AIR WINCH – OPTIONS AND ACCESSORIES



Automatic Band Brake



Drum Guard



Line Guard

base model		price
options	description	adder
■ K ¹	automatic disc brake– replaces 'X' in base model number string TA2 series TA2.5 series, TA5 series, TA7 series and TA10 series	\$ 4,345 4,680
■ EPOXY	3 part marine epoxy with zinc primer - colors: red, pearl grey, offshore yellow For TA2 series, TA2P series, TA2H series, TA2PH series, TA2.5 series, TA2.5P series For TA5-16, TA5-24, TA5P-16, TA5P-24 For TA5-30, TA5P-30 For TA7-24, TA7-30 For TA7-36 For TA10-30 For TA10-40 For TA10-60	\$ 1,015 1,170 1,300 1,430 1,560 1,460 1,665 1,875
■ 3	remote pendant control valve – 50ft max. – specify length when ordering – replaces '1' in base model number string For TA2, TA2H, TA2P, TA2PH Series: B3478 Valve Pendant, B4580 Remote 310 Motor Valve For TA2.5, TA2.5P, TA5, TA5P and TA7 Series: B3478 Valve Pendant, B4581 Remote 510 Motor Valve NOTE: Remote Control requires use of an automatic brake.	1,665

model number	description	approx. ship wt.	price adder
■ TA-FRL	filter, regulator, and lubricator pkg - not mounted - all models	42 lb	2,025
■ TA-MF1	two muffler kit - TA2 series	9 lb	260
■ TA-MF2	two muffler kit - TA2.5, TA5, TA7 series	11 lb	281
■ TA-MF3	two muffler kit - TA10 series	6 lb	468
■ TA2/2.5-16G	drum guard for TA2-16 and TA2.5-16	46 lb	1,355
■ TA2/2.5-16GL	line guide and drum guard for TA2-16 and TA2.5-16	63 lb	2,030
■ TA2/2.5-24G	drum guard for TA2-24 and TA2.5-24	56 lb	1,355
■ TA2/2.5-24GL	line guide and drum guard for TA2-24 and TA2.5-24	73 lb	2,030
■ TA5-16G	drum guard for TA5-16	57 lb	1,665
■ TA5-16GL	line guide and drum guard for TA5-16	74 lb	2,370
■ TA5-24G	drum guard for TA5-24	68 lb	1,770
■ TA5-24GL	line guide and drum guard for TA5-24	82 lb	2,470
■ TA5-30G	drum guard for TA5-30	76 lb	1,875
■ TA5-30GL	line guide and drum guard for TA5-30	92 lb	2,600
■ TA7-24G	drum guard for TA7-24	94 lb	1,745
■ TA7-24GL	line guide and drum guard for TA7-24	109 lb	2,500
■ TA7-30G	drum guard for TA7-30	102 lb	1,850
■ TA7-30GL	line guide and drum guard for TA7-30	118 lb	2,630
■ TA7-36G	drum guard for TA7-36	109 lb	1,950
■ TA7-36GL	line guide and drum guard for TA7-36	125 lb	2,730

¹For double auto braking systems, please call factory.

MOVE IT WITH
TWO WARRANTY YEAR
CONFIDENCE

TWO-YEAR LIMITED WARRANTY

Thern, Inc. warrants its products against defects in material or workmanship for two years from the date of purchase by the original using buyer, or if this date cannot be established, the date the product was sold by Thern, Inc. to the dealer. To make a claim under this warranty, contact the factory for an RGA number. The product must be returned, prepaid, directly to Thern, Inc., 5712 Industrial Park Road, Winona, Minnesota 55987. The following information must accompany the product: the RGA number, the date of purchase, the description of the claimed defect, and a complete explanation of the circumstances involved. If the product is found to be defective, it will be repaired or replaced free of charge, and Thern, Inc. will reimburse the shipping cost within the contiguous USA.

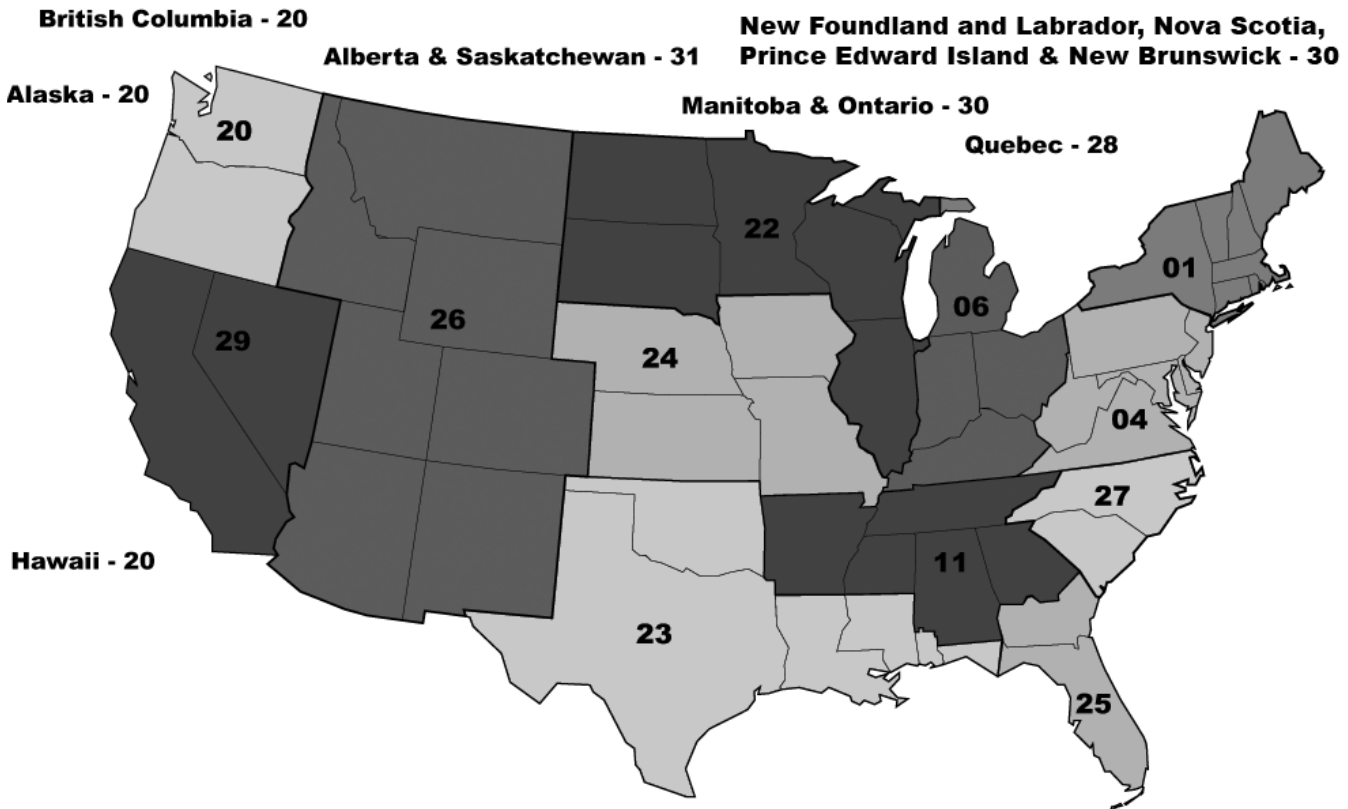
This warranty does not cover any damage due to accident, misuse, abuse, or negligence. Any alteration, repair or modification of the product outside the Thern, Inc. factory shall void this warranty. This warranty does not cover any costs for removal of our product, downtime, or any other incidental or consequential costs or damages resulting from the claimed defects. This warranty does not cover brake discs, wire rope or other wear components, as their life is subject to use conditions which vary between applications.

FACTORY AUTHORIZED REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY TO THE CONSUMER. THERN, INC. SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



Thern, Inc. • 5712 Industrial Park Road
PO Box 347 • Winona, MN 55987
Toll-free 800-843-7648
Phone 507-454-2996
Fax 507-454-5282
www.thern.com



THERN SALES REPRESENTATIVES

If you are interested in learning more about Thern products, please call the factory or the Thern Sales Representative for your area.

01 AMVAL Associates
 PO Box 384
 53 Strawberry Hill
 Lyndonville, VT 05851
 Phn: 802-626-5847
 Fax: 802-626-9734
 amval@charter.net

04 Frederick W. Tugend & Associates Inc.
 1825 Sturbridge Drive
 Lancaster, PA 17601
 Phn: 717-569-4660
 Fax: 717-569-4662
 ftugend@earthlink.net

06 Speltz Associates
 7065 Quaker Trace Court
 Dayton, OH 45414
 Phn: 937-890-3360
 Fax: 937-890-0455
 speltzbros@aol.com

11 Mark Walpole & Assoc., Inc.
 2288 Gunbarrel Road
 Suite 111
 Chattanooga, TN 37421
 Phn: 901-761-1613
 Fax: 413-793-3904
 markwalpole@att.net

20 Blecher & Associates
 1521 Woodland Terrace
 Lake Oswego, OR 97034
 Phn: 503-635-7341
 Fax: 503-210-6888
 r.blecher@comcast.net

22 NAPCO & Associates, Inc.
 PO Box 826
 Winona, MN 55987
 Phn: 507-452-5424
 Fax: 507-452-5217
 steve@napco-inc.com

23 Richerson & Assoc., Inc.
 PO Box 8540
 Mandeville, LA 70471
 Phn: 985-867-1415
 Fax: 985-867-1416
 orrich@bellsouth.net

24 Randy Landgrebe
 221 East College #1108
 Iowa City, IA 52240
 Phn: 877-644-2694
 Fax: 877-644-2915
 alandgr@aol.com

25 Guy Stone & Associates
 5426 Beamin Dew Loop
 Land O'Lakes, FL 34638
 Phn: 813-996-7870
 Fax: 813-996-0383
 repforlifting@cs.com

26 Blackwell & Associates
 9221 South Mill Creek Court
 Highlands Ranch, CO 80126
 Phn: 303-798-0908
 Fax: 303-798-0960
 wshreves@comcast.net

27 TASC0, Inc.
 1443 Wedgefield Drive
 Rock Hill, SC 29732
 Phn: 803-980-7438
 Fax: 803-980-7438
 Ltrem@comporium.net

28 Reptech LTD
 1040 Rue Robert
 Saint Jerome, QC J5L 2G9
 CANADA
 Phn: 450-565-6141
 Fax: 450-565-3432
 reptech@videotron.ca

29 Medcraft Sales
 9891 Kings Canyon Drive
 Huntington Beach, CA 92646
 Phn: 714-964-0714
 Fax: 714-962-0798
 bowmanhb@aol.com

30 Raebrooke
 211 Old Barrie Road W
 Oro Station, ON L0L 2EO
 CANADA
 Phn: 705-487-7890
 Fax: 705-487-6565
 sales@raebrooke.com

31 Norwest Reping, LLC
 5002 East View Lane NE
 Silverton, OR 97381
 Phn: 503-874-9766
 Fax: 503-874-9696
 cnorris@rsengr.com

*All Other Areas
 and International*

Thern, Inc.
 PO Box 347
 5712 Industrial Park Road
 Winona, MN 55987
 Toll-free: 800-843-7648
 Phone: 507-454-2996
 Fax: 507-454-5282
 www.thern.com
 info@thern.com

