

ENERPAC®

POWERFUL SOLUTIONS. GLOBAL FORCE.



US

WCC

THE
WORLD CLASS COLLECTION
INDUSTRIAL TOOLS

GENERAL PURPOSE CYLINDERS



RC-SERIES, GENERAL PURPOSE CYLINDERS

- The GR2 Bearing System absorbs eccentric loading to prevent galling cylinder parts
- Heavy-duty return spring for fast retraction
- Collar threads, plunger threads and base mounting holes enable easy fixturing on most models

Model Number	Cylinder Class (tons)	Stroke (in)	Collapsed Height (in)
RC-50	5	.63	1.63
RC-51	5	1.00	4.34
RC-53	5	3.00	6.50
RC-55	5	5.00	8.50
RC-57	5	7.00	10.75
RC-59	5	9.13	12.75
RC-101	10	1.00	3.53
RC-102	10	2.13	4.78
RC-104	10	4.13	6.75
RC-106	10	6.13	9.75
RC-108	10	8.00	11.75
RC-1010	10	10.13	13.75
RC-1012	10	12.00	15.75
RC-1014	10	14.00	17.75
RC-151	15	1.00	4.88
RC-152	15	2.00	5.88
RC-154	15	4.00	7.88
RC-156	15	6.00	10.69
RC-158	15	8.00	12.69
RC-1510	15	10.00	14.69
RC-1512	15	12.00	16.69
RC-1514	15	14.00	18.69
RC-251	25	1.00	5.50
RC-252	25	2.00	6.50
RC-254	25	4.00	8.50
RC-256	25	6.25	10.75
RC-258	25	8.25	12.75
RC-2510	25	10.25	14.75
RC-2512	25	12.25	16.75
RC-2514	25	14.25	18.75
RC-308	30	8.25	15.25
RC-502	50	2.00	6.94
RC-504	50	4.00	8.94
RC-506	50	6.25	11.13
RC-5013	50	13.25	18.13
RC-756	75	6.13	11.25
RC-7513	75	13.13	19.38
RC-1006	100	6.63	14.06
RC-10010	100	10.25	17.69

CYLINDER BASE PLATES



JB1-SERIES, BASE PLATES

- Ensures the stability of cylinders for lifting applications
- Distributes load across a larger area

Model Number	For Cylinder	Footprint (in)	Height (in)
JB1-10	RC-10 ton	9.00 x 9.00	.81
JB1-25	RC-25 ton	11.00 x 11.00	1.03
JB1-50	RC-50 ton	ø 12.00	1.25

HOLLOW PLUNGER CYLINDERS



RCH, RRR-SERIES SPRING OR HYDRAULIC RETURN

- Hollow plunger design for both push and pull forces
- Safety valve in double-acting models prevents over pressurizing

Model Number	Cylinder Capacity (tons)		Stroke (in)	Collapsed Height (in)
	Push	Pull		
RCH-120	12	-	.31	2.19
RCH-121	12	-	1.63	4.75
RCH-1211	12	-	1.63	4.75
RCH-123	12	-	3.00	7.25
RCH-202	20	-	2.00	6.38
RCH-206	20	-	6.10	12.05
RCH-302	30	-	2.50	7.03
RCH-306	30	-	6.13	13.00
RCH-603	60	-	3.00	9.75
RCH-606	60	-	6.00	12.75
RCH-1003	100	-	3.00	10.00
RRH-307	30	24	7.00	13.00
RRH-606	60	42	6.50	12.75
RRH-6010	60	42	10.12	17.25
RRH-1001	100	68	1.50	6.50
RRH-1006	100	68	6.00	13.50

LOW-HEIGHT CYLINDERS



RCS, RSM-SERIES, LOW-HEIGHT CYLINDERS

- Compact and portable
- Large plunger contact area with grooved end
- Single acting, spring return

Model Number	Cylinder Class (tons)	Stroke (in)	Collapsed Height (in)
RCS-101	10	1.50	3.47
RCS-201	20	1.75	3.88
RCS-302	30	2.44	4.63
RCS-502	50	2.38	4.81
RCS-1002	100	2.25	5.56
RSM-50	5	.25	1.28
RSM-100	10	.44	1.69
RSM-200	20	.44	2.03
RSM-300	30	.50	2.31
RSM-500	50	.63	2.63
RSM-750	75	.63	3.13
RSM-1000	100	.63	3.38
RSM-1500	150	.63	3.94

ULTRA-LOW CYLINDERS



CULP-SERIES, WITH STOP-RING

- Extremely low collapsed height
- Nitrocarburized surface treatment for harsh conditions
- Stop-ring for maximum stroke limitation

Model Number	Cylinder Cap. @ 10,150 psi (tons (max))	Stroke (in)	Extended Height (in)
CULP10 ¹⁾	10 (10.9)	.24	1.08
CULP20 ¹⁾	20 (22.2)	.24	1.26
CULP30 ¹⁾	30 (34.8)	.24	1.38
CULP50 ¹⁾	50 (61.8)	.24	1.75

¹⁾ Coupler AR630 including dustcap; Use HB7206 hose including AH630 coupler to connect to your pump.

Enerpac Hydraulic Cylinders

CYLINDER PUMP SETS



SINGLE-ACTING CYLINDER PUMP SETS

- Optimum component match
- 6-ft. hose, gauge, adaptor
- 2-speed hand pumps

HYDRAULIC TOOLBOX



PORTABLE HYDRAULIC TOOLBOX

- Includes a single-acting cylinder, two-speed lightweight hand pump (P392), gauge adaptor assembly (GA45GC), and 6 ft. rubber hose with couplers (HC9206C)
- Easy to carry sturdy toolbox

MAINTENANCE SETS



THE UNIVERSAL HYDRAULIC TOOL BOX

- Power to push, pull, lift, press, straighten, spread and clamp
- Sets include Enerpac lightweight hand pump, 6-ft. hose, cylinder(s), gauge and adaptor
- Numerous attachments permit quick configuration of specialized tools

Model Number	Cylinder Capacity (tons)	Cylinder Model No.	Stroke (in)
SCR-102H	5	RC-102	2.13
SCR-106H	10	RC-106	6.13
SCR-154H	15	RC-154	4.00
SCR-156H	15	RC-156	6.00
SCR-252H	25	RC-252	2.00
SCR-254H	25	RC-254	4.00
SCR-256H	25	RC-256	6.25
SCL-101H	10	RCS-101	1.50
SCL-201H	20	RCS-201	1.75
SCL-302H	30	RCS-302	2.44
SCL-502H	50	RCS-502	2.38
SCH-202H	20	RCH-202	2.00
SCH-302H	30	RCH-302	2.50

Model Number	Cylinder Capacity (tons)	Cylinder Model No.	Cylinder Stroke (in)
SCR-55TB	5	RC-55	5.00
SCR-102TB	10	RC-102	2.13
SCR-106TB	10	RC-106	6.13
SCR-1010TB	10	RC-1010	10.13
SCR-154TB	15	RC-154	4.00
SCR-256TB	25	RC-256	6.25
SCL-101TB	10	RCS-101	1.50
SCL-201TB	20	RCS-201	1.75
SCL-302TB	30	RCS-302	2.44
SCL-502TB	50	RCS-502	2.38
SRS-100TB	10	RSM-100	0.44
SRS-200TB	20	RSM-200	0.44
SRS-300TB	30	RSM-300	0.50
SRS-500TB	50	RSM-500	0.63

Model Number	Capacity* (tons)	No. of Attachments	Single-Acting Cylinder(s) Included
MS2-4	2.5	33	RC-55
MSFP-5	2.5	24	RC-55
MSFP-10	5.0	23	RC-106
MS2-10	5.0	35	RC-106
MS2-20	12.5	13	RC-256
MS2-1020	5.0-12.5	53	RC-102, 106, 2566

* When cylinders are used with attachments, the maximum system pressure must be limited to half the rated pressure (5,000 psi).

PULL CYLINDERS



PULL CYLINDERS

- Chrome plated plunger
- Replaceable links on BRP models

Model Number	Cylinder Class (tons)	Stroke (in)	Extended Height (in)
BRC-25	2.5	5.00	15.44
BRC-46	5.0	5.50	17.38
BRC-106	10.0	5.95	17.33
BRP-106C*	10.0	5.90	29.06
BRP-106L*	10.0	5.90	28.50
BRP-306*	30.0	6.00	48.82
BRP-606*	60.0	6.00	34.32

* Fitted with rubber bellows for rod protection.

SPREADER CYLINDERS



HYDRAULIC WEDGIE AND SPREAD CYLINDERS

- Single acting, spring return
- WR-5: for use in very confined areas
- WR-15: for long stroke spreading
- A-92: spreader attachment

Model Number	Capacity (ton)	Tip Clearance (in)	Max. Spread (in)	Oil Capacity (in ³)
WR-5	1.00	.50	3.70	0.61
WR-15	.75	1.26	11.50	3.91
A-92*	1.00	1.38	6.25	-

* Screws onto RC-Series 10 ton cylinders (except RC-101).

CUSTOM PRODUCTS & SOLUTIONS



Although Enerpac has the broadest portfolio of high-pressure, controlled force hydraulic products, we know that some situations require a solution not available in our standard offering. These applications require a tailored solution to meet your needs. Whether you have a solution in mind or are not sure where to begin, we are committed to serving you. We welcome all requests, regardless of complexity and our team will follow your project from design to delivery.

- Special cylinders, pumps, presses, bolting tools
- Private-label products for OEM customers
- Special hydraulic systems
- Heavy lifting solutions

Request your Custom Product or Solution online at: www.Enerpac.com/custom

ALUMINUM CYLINDERS - LIGHTWEIGHT



RAC-SERIES, SINGLE-ACTING, SPRING RETURN

- Lightweight, easy to carry and position
- Handles standard on all models

Model Number	Cylinder Class (tons)	Stroke (in)	Collapsed Height (in)
RAC-202	20	1.97	6.85
RAC-204	20	3.94	8.82
RAC-206	20	5.91	10.79
RAC-302	30	1.97	7.13
RAC-304	30	3.94	9.09
RAC-306	30	5.91	11.06
RAC-502	50	1.97	7.32
RAC-504	50	3.94	9.29
RAC-506	50	5.91	11.26
RAC-1004	100	3.94	10.67
RAC-1006	100	5.91	12.64
RAC-1008	100	7.87	14.61
RAC-1506	150	5.91	13.49

* Custom strokes available.



RACL-SERIES WITH LOCK NUT, SPRING RETURN

- With lock nut to secure loads mechanically
- Lightweight, easy to carry and position
- Handles standard on all models

Model Number	Cylinder Class (tons)	Stroke (in)	Collapsed Height (in)
RACL-302	30	1.97	9.10
RACL-304	30	3.94	11.07
RACL-306	30	5.91	13.04
RACL-502	50	1.97	9.29
RACL-504	50	3.94	11.26
RACL-506	50	5.91	13.23
RACL-1002	100	1.97	11.65
RACL-1004	100	3.94	13.62
RACL-1006	100	5.91	15.59
RACL-1502	150	1.97	12.72
RACL-1504	150	3.94	14.69
RACL-1506	150	5.91	16.65

* Custom strokes available.

DOUBLE-ACTING CYLINDERS



HEAVY-DUTY, LONG-STROKE CYLINDERS

- Plunger and collar threads, base mounting holes for easy fixturing
- Solid plunger design; built-in safety valve
- For industrial, construction and high-cycling production applications

Model Number	Cylinder Capacity (tons)		Stroke (in)	Collapsed Height (in)
	Push	Pull		
RR-1010	10	4	10.00	16.13
RR-1012	10	4	12.00	18.00
RR-308	30	5	8.25	15.25
RR-3014	30	5	14.50	21.63
RR-506	50	10	6.13	13.06
RR-5013	50	10	13.13	20.06
RR-1006	100	48	6.63	14.06
RR-10013	100	48	13.13	20.63
RR-1506	150	74	6.13	15.19
RR-15013	150	74	13.13	22.20
RR-2006	200	112	6.00	16.94
RR-20013	200	112	13.00	23.94



RACH-SERIES, HOLLOW PLUNGER, SINGLE-ACTING

- Hollow plunger design allows for both pull and push forces
- Lightweight, easy to carry and position

Model Number	Cylinder Class (tons)	Stroke (in)	Collapsed Height (in)
RACH-202	20	1.97	7.41
RACH-206	20	5.91	12.41
RACH-302	30	1.97	8.20
RACH-306	30	5.91	13.12
RACH-604	60	3.94	12.41
RACH-606	60	5.91	14.97
RACH-1002	100	1.97	10.16
RACH-1006	100	5.91	15.40
RACH-1502	150	1.97	11.03
RACH-1506	150	5.91	16.93

* Custom strokes available.



RAR-SERIES, SOLID PLUNGER, DOUBLE-ACTING

- Double-acting for rapid plunger retraction
- Safety valve prevents overpressurization
- Lightweight, easy to carry and position

Model Number	Cyl. Capacity (tons)		Stroke (in)	Collapsed Height (in)
	Push	Pull		
RAR-202	24.2	14.4	1.97	7.45
RAR-206	24.2	14.4	5.91	11.29
RAR-302	34.2	19	1.97	7.92
RAR-306	34.2	19	5.91	11.86
RAR-502	55	21	1.97	7.92
RAR-504	55	21	3.94	9.89
RAR-506	55	21	5.91	11.86
RAR-1004	111	62	3.94	11.86
RAR-1006	111	62	5.91	13.83
RAR-1008	111	62	7.87	15.80
RAR-1506	176	102	5.91	13.71

* Custom strokes available.



RD-SERIES, PRECISION PRODUCTION CYLINDERS

- Double-acting operation provides force in both directions for maximum versatility
- Unique mounting configurations simplify fixturing
- Designed for long life; the best choice for production applications

Model Number	Cylinder Capacity (tons)		Stroke (in)	Collapsed Height (in)
	Push	Pull		
RD-41	3.93	1.72	1.13	7.31
RD-43	3.93	1.72	3.13	9.31
RD-46	3.93	1.72	6.13	12.31
RD-91	8.84	4.91	1.13	8.75
RD-93	8.84	4.91	3.13	10.78
RD-96	8.84	4.91	6.13	13.78
RD-910	8.84	4.91	10.13	17.78
RD-166	15.71	8.28	6.25	15.31
RD-1610	15.71	8.28	10.25	19.31
RD-256	24.54	10.74	6.25	16.69
RD-2510	24.54	10.74	10.25	20.69

Enerpac Hydraulic Cylinders and Jacks

SPECIALTY LIFTING TOOLS



HYDRAULIC MACHINE LIFTS

- For lifting heavy equipment with minimal access
- Separate hydraulic pump enhances safety
- Adjustable toe starting height
- Extendible support feet provide extra stability
- Includes RC-DUO Series cylinder with CR-400 coupler



VERTICAL LIFTING WEDGE

- Requires .39 inch access gap
- .83 inch of vertical lift from each step (max. lift to 2.72 inches with optional LWB-1 stepped block)
- Automatic mechanical retraction (single-acting)

INDUSTRIAL STEEL BOTTLE JACKS



GBJ-SERIES, INDUSTRIAL STEEL BOTTLE JACKS

- Screw extension feature
- Fully serviceable
- Safety relief valve to prevent overload
- Automatic by-pass port prevents over-extension
- Wiper seal for extended life

Model Number	Capacity (tons)	Stroke (in)	Toe Position (in)			Oil Capacity (in ³)
			min	central	max	
SOH-10-6	8.5	5.39	0.79	3.74	6.69	13.7
SOH-23-6	20	6.18	1.18	4.33	7.48	32.0

Model Number	Capacity (ton)	Max. Lift per Stage (in)	Min. Clearance Gap (in)	Oil Capacity (in ³)
LW-16	16	.83	.39	4.75

Model Number	Cap. (tons)	Stroke (in)	Collapsed Height (in)	Screw Extension (in)
GBJ0002L	2	18.11	22.44	—
GBJ005	5	5.91	8.35	2.95
GBJ010	10	5.91	8.62	2.95
GBJ010S	10	2.44	5.16	1.18
GBJ015	15	5.91	8.98	2.95
GBJ020	20	5.91	9.21	2.95
GBJ020S	20	4.13	7.48	2.17
GBJ030	30	5.91	9.53	2.95

POW'R-RISER®



Shown: PRASA10027L and accessory Locking U-Rings

POW'R-RISER® LIFTING JACKS

- 60, 100, 150 and 200-ton capacities with pneumatic or electric pumps for the toughest jobs
- 3-pos. handle provides easy tilt and transport
- Complies with ASME B30.1 specifications

Model Number	Capacity (tons)	Stroke (in)	Collapsed Height (in)
PREMB06014L	60	14	24
PRAMA06014L	60	14	24
PREMB06027L	60	27	37
PRAMA06027L	60	27	37
PREMB10016L	100	16	26
PRASA10016L	100	16	26
PREMB10027L	100	27	37
PRASA10027L	100	27	37
PREMB15016L	150	15.5	26
PRASA15016L	150	15.5	26
PREMB15027L	150	26.5	37
PRASA15027L	150	26.5	37
PRASA20016L	200	15.5	26
PRASA20027L	200	26.5	37

* PRAMA with air pump; PREME with electric pump.

Pow'R-LOCK®



POW'R-LOCK® PORTABLE LIFT SYSTEM

- Provides continuous locking protection during lift, lower and hold functions
- Simple two-button pendant allows operation of raise and lower functions from up to 20 feet away
- Meets ANSI B30.1-2009, AS/NZS-2538, AS/NZS-2693 certification criteria

Model Number	Capacity (tons)	Stroke (in)	Collapsed Height (in)
PL20014-ASA	200	14.0	34
PL20025-ASA	200	24.5	45.5

JACKS



JHA-SERIES SAF-T-LITE® ALUMINUM JACKS

- All-directional operation on 7, 15 and 35-ton
- Two-directional operation (vertical and horizontal) on 75 and 150-ton models

JH-SERIES PREMIUM STEEL JACKS

- Chrome plated plungers
- Machined-flat front and bottom surfaces permit flush alignment in tight corners

Model Number	Capacity (tons)	Stroke (in)	Collapsed Height (in)
JHA-73	7	3.00	5.25
JHA-156	15	6.06	9.75
JHA-356	35	6.13	10.13
JHA-756	75	6.06	11.25
JHA-1506	150	6.13	12.88
JH-306	30	6.13	10.00
JH-506	50	6.09	10.25
JH-1006	100	6.06	11.31

SINGLE-ACTING, HIGH TONNAGE



HCG-SERIES, SINGLE-ACTING, GRAVITY-RETURN

- Hardened surface resists side-loading and cyclic wear
- Designed to withstand up to 10% side-load of maximum capacity ¹⁾
- Stop-ring to prevent plunger blow-out
- Weather protected, inside and out
- Upper and lower replaceable bearings enclose the cylinder plunger for support throughout the stroke
- Certified lifting eyes, base mounting holes and collar threads

DOUBLE-ACTING, HIGH TONNAGE



HCR-SERIES, DOUBLE-ACTING CYLINDERS

- Fast advance and retract
- Designed to withstand up to 10% side-load of maximum capacity ¹⁾
- Hardened surface resists side-loading and cyclic wear
- Weather protected, inside and out
- Upper and lower replaceable bearings enclose the cylinder plunger for support throughout the stroke
- Certified lifting eyes, base mounting holes and collar threads

LOCK NUT, HIGH TONNAGE



HCL-SERIES, SINGLE-ACTING, GRAVITY-RETURN

- Low-friction locking rings spin easy, save time and effort
- Designed to withstand 10% side-load up to 90% of maximum stroke
- Hardened surface resists side-loading and cyclic wear
- Overflow port as stroke limiter to prevent plunger blow-out
- Weather protected, inside and out
- Replaceable bearings enclose the plunger for support throughout the stroke
- Certified lifting eyes and base mounting holes

Model Number	Capacity (tons)	Stroke (in)	Collapsed Height (in)
HCG-502	50	1.97	7.20
HCG-506 ¹⁾	50	5.91	11.14
HCG-5010	50	9.84	15.59
HCG-1002	100	1.97	7.95
HCG-1006	100	5.91	11.89
HCG-10010	100	9.84	16.89
HCG-1502	150	1.97	8.66
HCG-1506	150	5.91	12.60
HCG-15010	150	9.84	17.60
HCG-2002	200	1.97	9.09
HCG-2006	200	5.91	13.03
HCG-20012	200	11.81	20.00
HCG-2502	250	1.97	9.49
HCG-2506	250	5.91	13.43
HCG-25012	250	11.81	20.91
HCG-3002	300	1.97	11.65
HCG-3006	300	5.91	15.59
HCG-30012	300	11.81	21.50
HCG-4002	400	1.97	12.64
HCG-4006	400	5.91	16.57
HCG-40012	400	11.81	22.48
HCG-5006	500	5.91	17.48
HCG-50012	500	11.81	23.39
HCG-6006	600	5.91	17.80
HCG-60012	600	11.81	23.70
HCG-8006	800	5.91	19.84
HCG-80012	800	11.81	25.75
HCG-10006	1000	5.91	21.34
HCG-100012	1000	11.81	27.24

* All models are available in 1.97 inch stroke increments from 1.97 to 11.81 inches.

¹⁾ HCG-506 and HCG-5012: 7% side-load of maximum capacity.

Model Number	Capacity (tons)	Stroke (in)	Collapsed Height (in)
HCR-502	50	1.97	7.20
HCR-506 ¹⁾	50	5.91	11.14
HCR-5010	50	9.84	15.59
HCR-1002	100	1.97	7.95
HCR-1006	100	5.91	11.89
HCR-10010	100	9.84	16.89
HCR-1502	150	1.97	8.66
HCR-1506	150	5.91	12.60
HCR-15010	150	9.84	17.60
HCR-2002	200	1.97	9.09
HCR-2006	200	5.91	13.03
HCR-20012	200	11.81	20.00
HCR-2502	250	1.97	9.49
HCR-2506	250	5.91	13.43
HCR-25012	250	11.81	20.91
HCR-3002	300	1.97	11.65
HCR-3006	300	5.91	15.59
HCR-30012	300	11.81	21.50
HCR-4002	400	1.97	12.64
HCR-4006	400	5.91	16.57
HCR-40012	400	11.81	22.48
HCR-5006	500	5.91	17.48
HCR-50012	500	11.81	23.39
HCR-6006	600	5.91	17.80
HCR-60012	600	11.81	23.70
HCR-8006	800	5.91	19.84
HCR-80012	800	11.81	25.75
HCR-10006	1000	5.91	21.34
HCR-100012	1000	11.81	27.24

* All models are available in 1.97 inch stroke increments from 1.97 to 11.81 inches.

¹⁾ HCR-506 and HCR-5012: 7% side-load of maximum capacity.

Model Number	Capacity (tons)	Stroke (in)	Collapsed Height (in)
HCL-502	50	1.97	6.46
HCL-506	50	5.91	10.39
HCL-5010	50	9.84	14.33
HCL-1002	100	1.97	7.36
HCL-1006	100	5.91	11.30
HCL-10010	100	9.84	15.24
HCL-1502	150	1.97	8.23
HCL-1506	150	5.91	12.17
HCL-15010	150	9.84	16.10
HCL-2002	200	1.97	9.37
HCL-2006	200	5.91	13.31
HCL-20012	200	11.81	19.21
HCL-2502	250	1.97	9.80
HCL-2506	250	5.91	13.74
HCL-25012	250	11.81	19.65
HCL-3002	300	1.97	10.94
HCL-3006	300	5.91	14.88
HCL-30012	300	11.81	20.79
HCL-4002	400	1.97	12.48
HCL-4006	400	5.91	16.42
HCL-40012	400	11.81	22.32
HCL-5006	500	5.91	17.99
HCL-50012	500	11.81	23.90
HCL-6006	600	5.91	18.90
HCL-60012	600	11.81	24.80
HCL-8006	800	5.91	20.87
HCL-80012	800	11.81	26.77
HCL-10006	1000	5.91	22.99
HCL-100012	1000	11.81	28.90

* All models are available in 1.97 inch stroke increments from 1.97 to 11.81 inches.

Enerpac High-Tonnage & Telescopic Cylinders

DOUBLE ACTING LOCK-NUT CYLINDERS



HCRL-SERIES, DOUBLE-ACTING, LOCK NUT

- Hydraulically controlled fast retraction
- Lock nut provides mechanical load holding for a safe work environment
- Designed to withstand up to 10% side-load of maximum capacity
- Integrated tilt saddle allows up to 5 degrees of misalignment
- Hardened surface resists side-loading and cyclic wear

Model Number	Capacity (tons)	Stroke (in)	Collapsed Height (in)
HCRL-506	50	5.91	12.20
HCRL-508	50	7.87	14.84
HCRL-5010	50	9.84	16.81
HCRL-5012	50	11.81	18.77
HCRL-1006	100	5.91	13.62
HCRL-1008	100	7.87	16.57
HCRL-10010	100	9.84	18.54
HCRL-10012	100	11.81	20.51
HCRL-1506	150	5.91	14.13
HCRL-1508	150	7.87	17.09
HCRL-15010	150	9.84	19.06
HCRL-15012	150	11.81	21.02
HCRL-2006	200	5.91	15.70
HCRL-2008	200	7.87	18.46
HCRL-20010	200	9.84	20.43
HCRL-20012	000	11.81	22.40
HCRL-2506	250	5.91	16.38
HCRL-2508	250	7.87	19.33
HCRL-25010	250	9.84	21.30
HCRL-25012	250	11.81	23.27
HCRL-3006	300	5.91	16.57
HCRL-3008	300	7.87	19.53
HCRL-30010	300	9.84	21.50
HCRL-30012	300	11.81	23.46

* Up to 2000-ton and additional stroke lengths available on request.

LOW-HEIGHT LOCK-NUT CYLINDERS



LPL-SERIES, SINGLE-ACTING, GRAVITY-RETURN

- Lock nut provides mechanical load holding for a safe work environment
- Integrated tilt saddle allows for up to 5 degrees of misalignment
- Extreme low-height for use in confined areas
- Side-load resistance 5-10% of maximum capacity
- Overflow port as stroke limiter to prevent plunger blow-out

Model Number	Capacity (tons)	Stroke (in)	Collapsed Height (in)
LPL-602	60	1.97	4.94
LPL-1002	100	1.97	5.39
LPL-1602	150	1.77	5.83
LPL-2002	200	1.77	6.10
LPL-2502	250	1.77	6.24
LPL-4002	400	1.77	7.01
LPL-5002	500	1.77	7.56

ULTRA-FLAT CYLINDERS



CUSP-SERIES, SINGLE-ACTING, GRAVITY-RETURN

- Extremely low collapsed height
- Designed to withstand up to 4% side load of maximum capacity
- Integrated tilting function up to 4 degrees
- Nitrocarburized surface treatment for harsh conditions
- "Red Line" for visual maximum stroke limitation

Model Number	Cylinder Cap. @ 10,150 psi ton (max.)	Straight Stroke (in)	Collapsed Height (in)
CUSP-10	10 (10.9)	0.26	1.40
CUSP-20	20 (22.2)	0.28	1.59
CUSP-30	30 (34.8)	0.29	1.67
CUSP-50	50 (61.8)	0.52	2.24
CUSP-75	75 (89.0)	0.55	2.38
CUSP-100	100 (121.1)	0.58	2.50
CUSP-150	150 (178.6)	0.56	2.56
CUSP-200	200 (235.0)	0.59	2.72
CUSP-250	250 (285.6)	0.61	2.85
CUSP-300	300 (355.9)	0.56	2.85
CUSP-400	400 (450.5)	0.57	3.05
CUSP-500	500 (574.8)	0.60	3.25
CUSP-600	600 (672.9)	0.61	3.44
CUSP-750	750 (846.0)	0.64	3.68
CUSP-1000	1000 (1142.6)	0.69	4.06

TELESCOPIC CYLINDERS



Model Number	Capacity @ Maximum Stroke (tons)	Maximum Stroke (in)	Stages	Collapsed Height (in)
RT-1510	15.4	10.63	2	11.14
RT-1817	18.7	17.13	3	13.58
RT-2111	22.2	11.81	2	12.48
RT-2119	22.2	19.69	3	15.55
RT-3311	34.8	11.81	2	13.86
RT-3323	34.8	23.62	3	18.74

RT-SERIES, MULTI-STAGE, LOAD RETURN

- Long cylinder stroke in confined spaces
- Nitrocarburized surface treatment for superior performance in harsh conditions
 - Hardened surface resists side-loading and cyclic wear
 - Corrosion protected, inside and out
- 3% side-load of full capacity
- Integral tilt saddle with maximum tilt angle up to 5 degree



Ask about Enerpac Safety Training Seminars

HYDRAULIC HAND PUMPS



COMPOSITE HYDRAULIC HAND PUMPS

- Lightweight design; impact and corrosion resistant
- Single- and two-speed operation
- Handle lock and lightweight construction for easy carrying



STEEL HYDRAULIC HAND PUMPS

- Reduced handle effort and ergonomic grip for less operator fatigue
- Two-speed operation for fast and easy operation (except P-39)
- Quick grip handle allows for easy transport
- All steel construction, chrome plated plunger and wiper system for durable, long lasting performance

ALUMINUM HAND PUMP



LIGHTWEIGHT ALUMINUM HAND PUMP

- Proven design for harsh conditions
- Compact durable design
- Two-speed operation for high efficiency
- Handle lock and lightweight construction for easy carrying
- Internal pressure relief valve for overload protection

Model No.	For Cylinder*	Maximum Pressure (psi)	Displacement per Stroke (in ³)		Usable Oil Capacity (in ³)
			1st	2nd	
P-141	S/A	10,000	N/A	.055	20
P-142	S/A	10,000	.221	.055	20
P-202	S/A	10,000	.221	.055	55
P-391	S/A	10,000	N/A	.151	55
P-392	S/A	10,000	.687	.151	55
P-802	S/A	10,000	2.40	.151	155
P-842	D/A	10,000	2.40	.151	155

* S/A = single-acting; D/A = double-acting.

Model Number	For Cyl.*	Maximum Pressure (psi)	Displacement per Stroke (in ³)		Usable Oil Capacity (in ³)
			1st	2nd	
P-39	S/A	10,000	N/A	.15	47
P-77	S/A	10,000	1.00	.15	47
P-80	S/A	10,000	1.00	.15	134
P-801	S/A	10,000	1.00	.15	250
P-84	D/A	10,000	1.00	.15	134
P-462	S/A	10,000	7.69	.29	453
P-464	D/A	10,000	7.69	.29	453

* S/A = single-acting; D/A = double-acting.

Model Number	For Cylinder	Max. Pressure (psi)	Displacement per stroke (in ³)		Usable Oil Capacity (in ³)
			1st	2nd	
P-392AL	S/A	10,000	.069	.051	50

CORDLESS PUMPS



- Lightweight design with integrated handle and carrying strap for portability
- Bladder reservoir prevents contamination and allows pump usage in any position
- Powerful 1/2 horsepower motor and 28-volt Lithium-Ion battery deliver exceptional speed and run time

Model Number*	Charger Voltage (VAC)	Output Flow Rate (in ³ /min)			Usable Oil Cap. (in ³)
		No Load	2000 psi	10,000 psi	
XC-1201MB	115	125	30	15	60
XC-1202MB	115	125	30	15	120
XC-1201ME	230	125	30	15	60
XC-1202ME	230	125	30	15	120
XC-1201M*	-	125	30	15	60
XC-1202M*	-	125	30	15	120

Note: All models for single-acting tools and cylinders.
* Batteries and charger not included.

LOW-PRESSURE HAND PUMPS



- Bi-directional pumping (P-25 and P-50)
- For single-acting tools and cylinders
- Single-speed operation

Model Number	Maximum Pressure (psi)	Displacement per stroke (in ³)	Usable Oil Capacity (in ³)
P-18	2,850	.16	18
P-25	2,500	.58	200
P-50	5,000	.29	200
P-51	3,000	.25	50

HIGH-PRESSURE HAND PUMPS



- Two-speed operation for faster fill, reducing cycle times for many testing operations (P-2282)
- 303 stainless steel construction for use with distilled water, diesters, silicones, soluble oils and petroleum (11-100, 11-400)

Model Number	Maximum Pressure (psi)	Displacement per stroke (in ³)		Usable Oil Capacity (in ³)
		1st	2nd	
P-2282	40,000	.99	.037	60
11-100	10,000	-	.152	45
11-400	40,000	-	.038	45

Enerpac Hydraulic Pumps

Z-CLASS ELECTRIC HYDRAULIC PUMPS



ZU4 ELECTRIC PUMPS

- High-efficiency pump has higher oil flow and bypass pressure, runs cooler and requires 18% less current draw than comparable pumps
- Powerful 1.7 hp universal electric motor provides high power-to-weight ratio and excellent low-voltage operating characteristics

Model Number *	LCD	For Cyl. **	Valve Type	Usable Oil Cap. (gal)
ZU4108DB		S/A	Elec. Dump VE-32D	2.0
ZU4308MB		S/A	Manual VM-33	2.0
ZU4320MB		S/A	Manual VM-33	5.0
ZU4208SB	•	S/A	Electric VE-32	2.0
ZU4408SB	•	D/A	Electric VE-43	2.0
ZU4308JB		S/A	Manual VM-33	2.0
ZU4408JB		D/A	Manual VM-43	2.0

* ZU4 Pumps are 115 volt, 1 ph. motor, output flow: 60 in³/min @ 10,000 psi.

** S/A = single-acting; D/A = double-acting.



ZE ELECTRIC PUMPS

- High-efficiency pump has higher oil flow and bypass pressure, runs cooler and requires 18% less current draw than comparable pumps
- ZE3: 1 hp, 40 cu in/min flow rate
- ZE4: 1.5 hp, 60 cu in/min flow rate
- ZE5: 3 hp, 120 cu in/min flow rate
- ZE6: 7.5 hp, 200 cu in/min flow

Model Number	LCD	*For Cylinder	Valve Type	Usable Oil Cap. (gal)
ZE3108DB	•	S/A	Elec. Dump VE-32D	2.0
ZE3208MB		S/A	Manual VM-32	2.0
ZE4308MB		S/A	Manual VM-33	2.0
ZE4420LB	•	D/A	Manual VM-43	5.0
ZE4308SB	•	S/A	Electric VE-33	2.0
ZE5410SG		D/A	Electric VE-43	2.5
ZE5420SG	•	D/A	Electric VE-43	5.0
ZE6440SG		D/A	Electric VE-43	10.0

* S/A = single-acting; D/A = double-acting.

Z-CLASS AIR HYDRAULIC PUMPS



ZA4 AIR HYDRAULIC PUMPS

- Features Z-Class high efficiency pump design; higher oil flow and bypass pressure than comparable pumps
- Two-speed operation and high by-pass pressure reduces cycle time for improved productivity
- ATEX rated

Model Number	For Cylinder*	Valve Type	Usable Oil Cap. (gal)
ZA4204MX	S/A	Manual VM-32	1.0
ZA4208MX	S/A	Manual VM-32	1.75
ZA4220MX	S/A	Manual VM-32	5.0
ZA4404MX	D/A	Manual VM-43	1.0
ZA4408MX	D/A	Manual VM-43	1.75
ZA4410MX	D/A	Manual VM-43	2.5
ZA4420MX	D/A	Manual VM-43	5.0
ZA4440MX	D/A	Manual VM-43	10.0

* S/A = single-acting; D/A = double-acting.

ELECTRIC HYDRAULIC PUMPS



ECONOMY PUMPS

- Lightweight and compact
- Highest oil-flow-to-weight ratio: 200 in³/min up to 200 psi; 20 in³/min up to 10,000 psi
- Single-phase 50/60-cycle universal motor

Model Number	For Cylinder *	Valve Type	Usable Oil Cap. (gal)
PUD-1100B	S/A	Dump valve**	.50
PUJ-1200B	S/A	Manual 3/2	.50
PUJ-1201B	S/A	Manual 3/2	1.00
PUJ-1400B	D/A	Manual 4/3	.50

* S/A = single-acting; D/A = double-acting.

** Electric dump valve for auto-retract of cylinders.

AIR HYDRAULIC PUMPS



TURBO II

- Operating air pressure: 25 – 125 psi
- Quiet, only 76 dba with low air consumption of 12 scfm

XA -SERIES

- Ergonomic design for less operator fatigue
- Variable oil flow and fine metering for precise control

Model Number	For Cylinder	Oil Flow @ 0 psi (in ³ /min)	Oil Flow @ 10,000 psi (in ³ /min)
PATG-1102N*	S/A	60	10
PAMG-1402N*	D/A	60	10
PARG-1102N**	S/A	48	5
XA11	S/A	120	15
XA11G	S/A	120	15

*305 in³ (5 liter) reservoir available: PATG-1105N, PAMG-1105N.

** Remote pendant controlled.

GASOLINE HYDRAULIC PUMPS



ZG5 AND ZG6 GAS HYDRAULIC PUMPS

- Features high efficiency pump design; higher oil flow and bypass pressure than comparable pumps

Model Number	For Cyl.*	Engine (hp)	Oil Flow** (in ³ /min)	Valve Type	Usable Oil Capacity (gal)
ZG5410MX-R	D/A	5.5	100	4/3	2.5
ZG5410MX-BR	D/A	6.5	100	4/3	2.5
ZG6440MX-BCFH	D/A	13.0	200	4/3	10.0

* D/A = double-acting.

** Oil flow at 10,000 psi

PULLERS



MECHANICAL SYNC GRIP PULLERS

- Sync Grip mechanism synchronizes movement of all jaws for simultaneous engagement, helping to prevent misalignment for safe and easy use
- Threaded spindle and jaw indexes provide adjustable reach
- Three-jaw configuration for even load distribution
- Two-jaw configuration for confined access*

Model Number*	Capacity (tons)	Dimensions (in)	
		Maximum Reach	Maximum Spread
SGM01	1	4.13	4.33
SGM04	4	7.28	6.89
SGM07	7	8.86	9.45
SGM10	10	16.14	13.78
SGM20 *	20	23.62	26.77

* Two jaw configuration not available on model SGM20



HYDRAULIC SYNC GRIP MASTER PULLER SETS

- Sync Grip mechanism synchronizes movement of all jaws for simultaneous engagement
- Hydraulically applied pulling force increases pulling capacity reducing operator fatigue
- Standard jaws adjust to accommodate different reach requirements. Optional long jaw sets available for additional reach requirements

Model No. (Puller and Cylinder)	Puller Capacity (tons)	Stroke (in)	Dimensions (in)	
			Maximum Reach	Maximum Spread
SGH14	14	1.0	12.60	13.78
SGH24	24	2.0	12.60	18.90
SGH36	36	2.5	16.14	25.59
SGH64	50*	3.0	27.56	38.58

* Puller capacity at 7,850 psi, maximum cylinder capacity at 10,000 psi is 64.6 tons.

PIPE BENDERS



QUICK, SAFE AND WRINKLE-FREE BENDING

- Set includes pump, cylinder, hose, bender frame and bending shoes
- Pipe range ½ - 4 inch nominal bore size
- With bending angle indicator for accuracy and convenience

Set Model Number *	Pipe Range nominal bore (in)	
	one shot	sweep
STB-101B	0.50 - 2.00	-
STB-221H	1.00 - 2.00	2.50 - 4.00
STB-202B	1.25 - 4.00	-

* B = with electric pump; H = with hand pump.

HYDRAULIC PUNCH



MUCH FASTER THAN DRILLING

- Punches mild steel up to .50 inch thickness
- Durable steel case keeps tools and dies together and provides for easy carrying and storage
- Round, oblong and square punches and dies available
- Available as Tool-Pump Set SP35SP

Model Number	Capacity (ton)	Round Punch & Die Sets				
		Included	Hole Size		Bolt Size	
SP-35S	35	SPD-438	.44	11,1	¾	M10
		SPD-563	.56	14,3	½	-
		SPD-688	.69	17,5	¾	M10
		SPD-813	.81	20,6	¾	-

HEAVY-DUTY CATERROLLER LOAD SKATES



MOVE HEAVY LOADS EASILY AND SAFELY

- Rugged and sturdy construction for long life
- Low profile construction for increased stability
- Low rolling-resistance allows for easy load movement
- Attachable load leveling plates and swivel turntables for turning corners

Model No.	Capacity* (ton)	Set includes		
		Load Skates (4)	Turntable Swivels (2)	Leveling Plates (2)
ERS-20	20	ER-10	ES-10	ELP-10
ERS-30	30	ER-15	ES-15	ELP-15
ERS-60	60	ER-30	ES-30	ELP-30

* Sets are designed to enable two skates to take full load for extra safety on uneven floor surfaces.

HYDRAULIC CUTTERS



IDEAL FOR A WIDE RANGE OF MATERIALS

- Spring-return for easy operation
- Self-contained (WMC) and pump powered (WHC) models available
- Guillotine action for easy operation
- Rotating head for operator convenience

Model Number	Capacity (ton)	Cutting Capacity Ø (in)			
		Bar*	Bolt*	Wire Strand*	Cable*
WMC-750	4	0.75	0.69	0.75	0.75
WMC-1250	20	1.25	1.25	1.25	-
WMC-2000	13	1.25	0.88	2.00	2.00
WHC-750*	4	0.75	0.56	0.75	-
WHC-1250*	20	1.25	1.13	1.25	-
WHC-2000*	13	1.25	0.88	2.00	2.00

* Recommended pump P-392 hand pump.

PRESSES



IP SERIES H-FRAME PRESSES

- Capacities from 10 to 200 tons
- Welded steel frames and powerful high-pressure hydraulics

Model Number	Pump Type*			Cyl. Cap. (tons)	Cyl. Stroke (in)	Daylight H x W (in)
	H	E	A			
IPH-1240	•			10	10	40.00 x 18.63
IPA-1244			•	10	10	40.00 x 18.63
IPE-2505		•		25	6	54.50 x 29.00
IPA-2520			•	25	14	54.50 x 29.00
IPH-5030	•			50	6	48.56 x 28.75
IPA-5021			•	50	6	48.56 x 28.75
IPE-5005		•		50	6	48.56 x 28.75
IPE-5060			•	50	13	48.56 x 28.75
IPH-10030	•			100	10	42.50 x 35.00
IPA-10023			•	100	10	42.50 x 35.00
IPE-10060			•	100	13	42.50 x 35.00

* H = Hand; E = Electric; A = Air.

PRESSURE GAUGES



GLYCERINE FILLED PRESSURE GAUGES

- Dual-scale reading in psi and bar
- All pressure sensing parts sealed and dampened by glycerine for long life
- Includes safety blow-out disk and pressure equalizing membrane
- GA45GC includes gauge, coupler and 45° adaptor

Model Number	Face Ø (in)	Connection (NPTF)	Pressure Range	
			(psi)	(bar)
G-2531R	2.5	1/4" Center Rear	0-1,000	0-70
G-4088L	4	1/4" Lower Mount	0-10,000	0-700
G-4039L	4	1/2" Lower Mount	0-10,000	0-700
GA45GC	2.5	3/8" Lower Mount	0-10,000	0-700



IPR SERIES ROLL-FRAME PRESSES

- Capacities from 50 to 200 tons
- Welded steel frames and powerful HP hydraulics
- Frame rolls easily on four steel roller bearings
- Exclusive Hydra-Lift™ for effortless adjustment

Model Number	Pump Type	Cyl. Cap. (tons)	Cyl. Stroke (in)	Daylight
				Height x Width (in)
IPR-5075	Electric	50	13.13	37.12 x 28.75
IPR-10075	Electric	100	13.13	41.28 x 35.00
IPR-20075	Electric	200	13.00	51.00 x 48.00



C-CLAMP PRESSES

- 5, 10 and 20-ton capacities
- Operational in all positions

BENCH FRAME PRESS

- Cylinder mounting adapter allows lateral positioning along rails
- Mounting holes for easy anchoring

Model Number	Press Type	Press Capacity (tons)	Max. Bed Daylight (in)
A-205	C-clamp	5	6.5
A-210	C-clamp	10	9.0
A-220	C-clamp	20	11.9
A-258	Bench	10	15.4

SYSTEM COMPONENTS



HOSES

- Thermo-plastic hoses (700-series) for demanding applications, featuring 4:1 design factor
- Heavy duty rubber hoses (900-series); the most complete offering: 34 different models up to 50 feet in length
- High flow coupler with 3/8"-18 NPTF oil connection, 1040 in³/min. maximum oil flow
- Use premium Enerpac HF hydraulic oil: prevents pump cavitation, additives help prevent rust, oxidation and sludge

Model Number	Description
H-7220	Hose length 20 ft., 3/8" NPTF
HC-9206	Hose length 6 ft., 3/8" NPTF, includes CH-604
HC-9210	Hose length 10 ft., 3/8" NPTF, includes CH-604
HC-7206	Hose length 6 ft., 3/8" NPTF, includes CH-604
HC-7210	Hose length 10 ft., 3/8" NPTF, includes CH-604
C-604	3/8" High flow coupler complete
CR-400	3/8" Female high flow coupler half
CH-604	3/8" Male high flow coupler half
HF-100	Premium hydraulic oil, one quart
HF-101	Premium hydraulic oil, one gallon



FLOW CONTROL VALVES

- All valves are rated for 10,000 psi operating pressure
- All valves feature NPTF porting to insure against leakage at rated pressure
- All valves are painted, coated, or plated for corrosion resistance

Model Number	Description
V-82	Needle valve
V-182	Needle valve
V-8F	Needle valve
V-91	Snubber valve
V-10	Auto damper valve
V-17	Check valve
V-42	Pilot operated check valve
V-66	Manually operated check valve
V-66F	Manually operated check valve
V-152	Pressure relief valve
V-161	Sequence valve

ULTRASLIM CASSETTES



W-SERIES, ULTRASLIM BI-HEXAGONAL CASSETTES

- Lean, stepped-width design allows tool to be mounted over bolts where other tools won't fit
- Premium components provide best-in-class endurance compared to other limited access tools
- Uses same drive unit as standard cassettes

Cassette Model Number	Hexagon Size		Maximum Torque @ 10,000 psi (Ft-lbs)
	(in)	(mm)	
W2113SL	1 13/16	46	2000
W2203SL	2 3/16	55	2000
W2206SL	2 3/8	60	2000
W4203SL	2 3/16	55	4300
W4206SL	2 3/8	60	4300
W4209SL	2 9/16	65	4300
W4212SL	2 3/4	70	4300
W4215SL	2 15/16	75	4300

RIGID STEEL HYDRAULIC TORQUE WRENCHES



S-SERIES, SQUARE DRIVE TORQUE WRENCHES

- Compact, high-strength uni-body construction provides a small operating radius without sacrificing endurance
- 35° rotation angle and rapid return stroke for fast operation
- Constant torque output provides accuracy of +/-3% across full stroke
- All X-Edition tools are CE-ATEX declared

Model Number	Socket Size Range *		Square Drive (in)	Max. Torque (Ft-lbs)
	(in)	(mm)		
S1500X	3/4 - 2	19 - 50	3/4	1440
S3000X	3/4 - 3 7/8	19 - 100	1	3225
S6000X	1 7/16 - 4 3/8	36 - 115	1 1/2	6150
S11000X	1 7/16 - 4 3/8	36 - 115	1 1/2	11,175
S25000X	2 7/16 - 6 1/8	65 - 155	2 1/2	25,150

* See our BSH-Series heavy-duty sockets at www.enerpac.com.



W-SERIES, LOW-PROFILE HEXAGON WRENCHES

- Superior strength to size ratio provides easy access to difficult to reach applications without sacrificing endurance
- Fast release drive unit enables rapid exchange of cassettes, no tools required
- Constant torque output provides accuracy of +/-3% across full stroke
- All X-Edition tools are CE-ATEX declared

Drive Unit Model No.	Hexagon Cassette Range		Maximum Torque (Ft-lbs)
	(in)	(mm)	
W2000X	1 1/16 - 2 3/8	30 - 60	2040
W4000X	1 5/16 - 3 3/8	36 - 85	4175
W8000X	1 7/8 - 4 1/8	50 - 105	8470
W15000X	2 1/16 - 4 3/8	65 - 115	15,330
W22000X	2 5/16 - 5 3/8	75 - 135	22,500
W35000X	3 1/8 - 6 1/8	80 - 155	35,000

MANUAL TORQUE MULTIPLIERS



E-SERIES, ACCURATE TORQUE MULTIPLICATION

- Reversible, tighten or loosen nuts and bolts
- Provides high output torque for accurate make-up or break-out of fasteners
- 1/2 inch female input square drive

Model Number	Output Capacity (Ft-lbs)	Input Torque (Ft-lbs)	Torque Ratio	Output Male Square Drive (in)
E391	1200	200	6 : 1	3/4
E392	2200	162	13.6 : 1	1
E393	3200	173	18.5 : 1	1
E492	2200	162	13.6 : 1	1
E493	3200	173	18.5 : 1	1
E494	5000	189	26.5 : 1	1 1/2
E495	8000	154	52 : 1	1 1/2

PNEUMATIC TORQUE WRENCHES



PTW-SERIES, PNEUMATIC TORQUE WRENCHES

- High-speed continuous rotation for constant torque output
- Ergonomic, low-vibration design reduces fatigue and the risk of vibration-related injuries for the operator
- Provided with standard reaction arm; wide assortment of custom arms and accessories are available

Model Number*	Max. Torque (Ft-lbs)	Square Drive (in)	Speed (RMP)
PTW1000C	1000	1	12.6
PTW2000C	2000	1	8.0
PTW3000C	3000	1	3.1
PTW6000C	6000	1 1/2	2.5

* To order without FRL and hose, remove "C" Suffix (e.g. PTW3000).

ELECTRIC TORQUE WRENCHES



ETW-SERIES, ELECTRIC TORQUE WRENCHES

- High speed continuous rotation for constant torque output
- Patented firmware design provides accurate fastening on soft, hard, or pre-tightened joints
- Control box with large 7-inch touchscreen
- Fastening record can be viewed on-screen and transferred to a computer

Model Number*	Max. Torque (Ft-lbs)	Square Drive (in)	Speed (RMP)
ETW1000E	1000	1	12.6
ETW2000E	2000	1	8.0
ETW3000E	3000	1	3.1
ETW6000E	6000	1 1/2	2.5

* To order a 115V, 60 Hz remove the "C" suffix and change to "B" for 230V, 60 Hz or change to an "I" for 230V, 60 Hz. (e.g. ETW1000B)

Enerpac Professional Bolting Tools

TORQUE WRENCH PUMPS



ZU4 ELECTRIC TORQUE WRENCH PUMPS

- High-efficiency Universal Motor draws lower amps for superior performance in remote locations
- Two-speed operation and high by-pass pressure reduces cycle time for improved productivity

ZA4 AIR DRIVEN TORQUE WRENCH PUMP

- Two-speed operation and high by-pass pressure reduces cycle time for improved productivity
- Heat exchanger cools oil and warms exhaust air to prevent freezing

Model Number*	Max. Pressure (psi)	Useable Oil Cap. (gal)	Motor Voltage (VAC)	Air Pressure (psi)
ZU4204BB-QH	10,000	1.00	115	—
ZU4208BB-QH	10,000	1.75	115	—
ZA4204TX-Q	10,000	1.00	—	60-100
ZA4208TX-Q	10,000	1.75	—	60-100

* ZU4: 1.7 hp universal motor, 115 V-1 phase.
ZA4: Air consumption 20-100 scfm.



TQ700 ELECTRIC TORQUE WRENCH PUMP

- Optimized-flow technology delivers up to 50% faster bolting than competing pumps
- Compact and lightweight design fits through tight openings and provides easy handling
- Built-in protection for controls and gauge for job-site durability
- IP55 rating for superior dust and water protection

Model Number	Max. Pressure (psi)	Useable Oil Cap. (gal)	Motor Voltage (V - Ph - Hz)	Motor Power (hp)
TQ700B	10,000	1.00	115-1-50/60	1
TQ700I	10,000	1.00	230-1-60	1



PORTABLE ELECTRIC TORQUE WRENCH PUMP

- Powerful two-speed pump is lightweight and easy to carry
- Standard heat exchanger package keeps pump cool under extreme use
- Universal motor for a high power-to-weight ratio; generates full pressure on as little as 50% of the rated line voltage

Model Number	Max. Pressure (psi)	Useable Oil Cap. (gal)	Motor Voltage (VAC)
PMU-10427-Q	10,000	.50	115
PMU-10447-Q	10,000	1.0	115
PMU-10422-Q	10,000	.50	230
PMU-10442-Q	10,000	1.0	230

TORQUE WRENCH PUMPS



PORTABLE ELECTRIC TORQUE WRENCH PUMP

- Auto cycle feature provides continuous cycle operation of the torque wrench as long as the advance button is pressed
- LCD readout provides pressure and torque display and a number of diagnostic and readout capabilities never before offered on a portable electric pump
- With roll bar and heat exchanger

Model Number	Max. Pressure (psi)	Useable Oil Cap. (gal)	Motor Voltage (V - Ph - Hz)
ZE4208TB-QHR	10,000	2	115 -1- 50/60
ZE4208TI-QHR	10,000	2	230 -1- 50/60
ZE4208TG-QHR	10,000	2	230 -3 - 50/60
ZE4208TW-QHR	10,000	2	400 -3 - 50/60

ELECTRIC TENSIONING PUMPS



ZUTP ELECTRIC TENSIONER PUMP

- High-efficiency Universal Motor draws lower amps for superior performance in remote locations
- Panel mounted 6-inch pressure gauge, with polycarbonate cover for improved visibility and safety
- User adjustable valve for safe and precise pressure control

Model Number	Max. Pressure (psi)	Useable Oil Capacity (gal)	Motor Voltage (VAC)
ZUTP-1500B	21,750	1.00	115
ZUTP-1500I	21,750	1.00	230

* ATP air consumption 70 scfm.*

AIR TENSIONING PUMPS



ATP ULTRA-HIGH PRESSURE AIR DRIVEN TENSIONER PUMP

- Compact, lightweight, rugged steel frame for protection and easy handling
- User adjustable valve for safe and precise pressure control

Model Number	Max. Pressure (psi)	Useable Oil Cap. (gal)	Air Pressure (psi)
ATP-1500*	21,750	1.00	80-90

* ATP air consumption 70 scfm.*

GENERAL PURPOSE TENSIONERS



GT-SERIES HYDRAULIC BOLT TENSIONERS

- Maximum operating pressure: 21,750 psi (1500 bar)
- Twin ports for quick connection of multiple tools
- For available adapter kits and additional technical details visit www.enerpac.com

Threaded Fastener Range		Load Cell and Bridge Reference	Cylinder Effective Area (in ²)	Load Cap. (ton)
(in)	(mm)			
5/8-1	M16-M30	GT1-LCB	2.32	25.2
1 1/8-1 1/2	M30-M39	GT2-LCB	4.15	45.1
1 1/2-2	M39-M52	GT3-LCB	7.95	86.4
2-2 1/2	M52-M68	GT4-LCB	15.16	164.9
2 1/2-3 1/4	M68-M80	GT5-LCB	23.37	254.1
3 1/4-3 3/4	M80-M95	GT6-LCB	29.41	319.8

SPECIALITY BOLT TENSIONERS



PGT-SERIES BOLT TENSIONERS

- Designed for critical fastening applications in wind, steam and gas turbines
- Single-stage and double-deck tensioners provide high performance in tight spaces
- Loaded with performance enhancing features such as Auto-Retract Pistons, Cycle Counters and a premium coating to offer the ultimate in efficiency, durability and ease of use

Bolt Dia. (in)	Thread	Model No.	Nut AF (in)	Load Cap. (ton)	Stroke (in)
0.79	M20 x 2.5	PGTS2030S	1.18	22.9	0.28
0.94	M24 x 3.0	PGTS2436S	1.42	32.8	0.28
1.42	M36 x 4.0	PGTS3655S	2.17	75.3	0.35
1.65	M42 x 4.5	PGTS4265S	2.56	105.5	0.39
1.06	M27 x 3.0	PGTD2742S	1.65	44.6	0.24
1.18	M30 x 3.5	PGTD3046S	1.81	52	0.28
1.30	M33 x 3.5	PGTD3350S	1.97	64.8	0.28
1.42	M36 x 4.0	PGTD3655S	2.17	75.8	0.31
1.65	M42 x 4.5	PGTD4265S	2.56	104.2	0.39



FTR-SERIES FOUNDATION BOLT TENSIONERS (ROUND)

- Provide fast, accurate and easy tightening of external or internal ring wind tower foundations
- Long stroke options accelerate process with single-pull tensioning

FTE-SERIES FOUNDATION BOLT TENSIONERS (ELLIPTICAL)

- Provide fast and accurate performance in difficult, narrow access foundation tensioning applications
- Fits both standard and narrow access applications

Bolt Dia. (in)	Bar Size Designation	Model No.	Nut AF (in)	Load Cap. (ton)	Stroke (in)
1.38	#10	FTR751025S	2.00	42.1	0.98
1.50	#11	FTR751110S	2.25	52.8	0.39
1.88	#14	FTR751420S	2.75	80.1	0.79
1.44	1.25	FTR15012510S	2.25	90.8	0.39
1.56	1.375	FTR15013810S	2.50	90.8	0.39
1.38	#10	FTE7510S	2.00	41.9	0.39
1.50	#11	FTE7511S	2.25	52.4	0.39
1.44	1.25	FTE150125S	2.25	68.4	0.39
1.56	1.375	FTE150138S	2.50	85.6	0.39

NUT SPLITTERS/NUT CUTTER



NC NUT CUTTERS

- Compact, ergonomic, lightweight design

NS NUT SPLITTERS

- Designed to suit ANSI B16.5/BS1560 flanges
- Interchangeable heads provide maximum nut range flexibility

Model Number	Cap. (ton)	Bolt Range (in)	Hexagon Nut Sizes (in)	Oil Cap. (in ³)
NC-1319	5	.31-.50	.50-.75	.92
NC-1924	10	.50-.63	.75-.94	1.22
NC-2432	15	.63-.88	.94-1.13	3.66
NC-3241	20	.88-1.13	1.13-1.56	4.88
NC-4150	35	1.13-1.38	1.56-2.00	9.46
NC-5060	50	1.38-1.50	2.00-2.25	14.64
NC-6075	90	1.50-1.88	2.38-2.88	30.00
NS-7080	103.2	1.75-2.00	2.75-3.13	23.00
NS-70105	103.2	1.75-2.75	2.75-4.25	23.00
NS-110115	192.5	2.75-3.00	4.25-4.63	50.00
NS-110130	192.5	2.75-3.50	4.25-5.38	50.00

FLANGE MAINTENANCE TOOLS



PARALLEL WEDGE SPREADERS

- Lightweight, portable, easy to use, one person operation
- FSM-8 mechanical version
- FSH-14 hydraulic version also available as set STF-14H including pump, hose and gauge

Model Number	Maximum Spreading Force (ton)	Tip Clearance (in)	Max. ¹⁾ Spread (in)	Oil Cap. (in ³)
FSM-8	8	.24	3.16	-
FSH-14	14	.24	3.16	4.76

¹⁾ Using optional stepped block FSB-1.



FLANGE ALIGNMENT TOOLS

- Easy to use, one person operation
- Corrects twist and rotational misalignment without additional stress in pipelines
- For most commonly used ANSI, API, BS and DIN flanges

Model Number	Max. Lifting Force* (ton)	Minimum Bolt Size (in)	Flange Wall Thickness (including gap between flanges) (in)
ATM-2	1	0.63	.55 - 3.29
ATM-4	4	0.95	1.18 - 5.23
ATM-9**	10	1.24	3.66 - 9.00

* At 10,000 psi maximum operating pressure.

** ATM-9 includes an Enerpac hand pump and hydraulic hose

HYD. FLANGE SPREADERS



PIN TYPE HYDRAULIC FLANGESPREADERS

- Lightweight and ergonomic design for ease of use
- Adjustable jaw widths from 2.75 - 8.50" for a wide range of applications
- Available as a complete set including tool, pump, hose, coupler, gauge and adaptor:
STF-56H set with P-392 hand pump;
STF-109H set with P-392 hand pump;
STF-109A set with PATG-1102N Turbo II air hydraulic pump

Model Number	Cap. (ton)	Max. Flange Thickness (in)	Stud Size (in)	Stroke (in)
FS-56	5	2 x 2.25	.75 - 1.13	1.50
FS-109	10	2 x 3.63	1.25 - 1.63	2.13

Heavy Lifting Technology

JACK-UP SYSTEM



JS-SERIES, JACK-UP SYSTEMS

The Jack-Up System is a custom developed multi-point incremental lifting system - synchronously lift and mechanically hold. A typical system setup includes four jack-up units positioned under each corner of a load.

HYDRAULIC GANTRIES



SL, SBL, MBL-SERIES HYDRAULIC GANTRIES

Heavy-lifting systems that offer control and stability, even in confined spaces. For your most demanding lifting and rigging operations.

STRAND JACKS



HSL-SERIES, STRAND JACKS

Compact high-capacity system for controlled lifting and lowering. Strand jack systems that provide fully controlled, precise lifting.

SYNCHRONOUS HOISTING



SHS, SHAS-SERIES, SYNCHOIST - HIGH PRECISION LOAD POSITIONING SYSTEMS

Accurate hoisting and load positioning system to enhance a crane's capability.

SHAS-Series: Wireless remote control and integrated hydraulics.

SKIDDING SYSTEMS



HSK, HSKLH, LH-SERIES, SKIDDING SYSTEM

A system comprised of a series of skid-shoes powered by hydraulic push-pull cylinders, traveling over a pre-constructed track.

MODULAR TRANSPORTER



SPMT-SERIES, SELF-PROPELLED MODULAR TRANSPORTER

A trailer with a slim design to transport large and heavy objects. Hydraulic strength in a linear drive transport system.

CLIMBING JACKS



BLS-SERIES, HYDRAULIC STAGE-LIFT CYLINDERS

Double-acting cylinders with solid plunger design allows for a load to be lifted many times the stroke of the cylinder. The solution for incremental lifting.

SPLIT-FLOW PUMPS



SFP-SERIES, SPLIT FLOW PUMP

The Split-Flow Pump is an economical solution for multi-point controlled lifting applications. Multiple outlets with equal oil flow.

SYNCHRONOUS LIFTING SYSTEMS



EVO, EVOB-SERIES SYNCHRONOUS LIFTING SYSTEMS

High-pressure hydraulics combined with computer-controlled monitoring systems for precise lifting applications. The multi-functional lifting system.

Visit enerpac.com for full product line information.

Series	Reservoir Capacity (gal)	Motor Size (hp)
EVO	66	5-10
EVOB	10	1-3

Enerpac Worldwide Locations

For a complete list of addresses see:
www.enerpac.com/en-us/enerpac-locations

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