

ENERPAC 

HYDRAULIC PRESSES

STANDARD AND CUSTOM SOLUTIONS.
NO WORKSHOP CAN DO WITHOUT ONE.



THE RIGHT TOOL MAKES ALL THE DIFFERENCE

Hydraulic Presses Section Overview

Enerpac Hydraulic Presses are available in a variety of capacities and sizes. The press frames are designed for maximum strength and durability. Strong frames and powerful high-pressure hydraulics will provide years of dependable service in many applications.

Enerpac Presses are available in Bench, C-Frame, Arbor, Workshop and Roll-Frame models.

Available in capacities from 10 to 200 ton, each Enerpac press consists of three basic high quality components: press frame, power source and a cylinder.

Capacity ton (kN)	Press type and functions		Series	Page
10 (101)	Bench Presses	VLP		4 ▶
25 - 200 (232 - 1995)	Workshop Presses	XLP VLP		4 ▶
50 - 200 (498 - 1995)	Roll-Frame Presses	BPR		6 ▶
5 - 20 (45 - 178)	C-Clamp Presses	A		8 ▶
10 - 30 (101 - 295)	Arbor Presses	A		8 ▶
10 - 200 (101 - 1995)	Press Accessories	A, VB BSS IPL, XLP		10 ▶
900 - 90.000 kg	Tension Meters Load Cells	TM LH		11 ▶



IMPORTANT!

The pressframe of the workshop presses are exclusively designed for pressing operations, not for pulling. For pulling applications please contact Enerpac.

Page: 10



With decades of experience and in-house capabilities look to Enerpac to help find solutions to your customization needs.

Next to our large range of standard workshop presses, Enerpac offers the possibility of customization. Because many customers have specific requirements, we offer turn-key project management, including design, engineering and manufacturing. As the market leader, we listen to our customers and with our world

wide experience we offer the best solutions, especially when safety is not negotiable. Whether a longer stroke, wider frame or complete new design is required, our custom product group has many years of experience in multiple industries to deliver a solution that meets or exceeds expectations.



◀ *Fully Automated PLC-Controlled 1800-Ton, High-Accuracy Press. The pressing and heating cycle, during the production of magnetic acceleration coils, required high force and high- accuracy to ensure absolute quality*



◀ *600 Ton High-Accuracy Collar Press. For the production of accelerator coils, sheet metal needs to be formed into a specific shape and size.*



◀ *50 ton Workshop Press for maintenance jobs.*

Overview Custom Presses



▲ *Enerpac's hydraulic presses can be configured to fulfill a broad range of applications. Each press is designed and manufactured according to customer specifications and in cooperation with our engineering team.*

CUSTOMIZABLE FEATURES:

- Capacity
- Cylinder Stroke
- Pump Type
- Controls
- Guarding
- Daylight Dimensions

CONFIGURATIONS:

- Vertical and horizontal press
- Cylinders mounted in upper and lower bolsters
- Height built to customer specifications
- Daylight (vertical and horizontal) built to customer specifications

▼ From left to right: VLP106P142, XLP506XA12G, XLP256XA11G



XLP-Series Presses

- Multi-functional presses in kit form (50 and 75 ton presses)
- Easy grip forklift access on 50 and 75 ton presses
- Height adjustment of upper or lower bed with winch (50 & 75 ton)
- Width adjustment allows cylinder to move from side-to-side
- Pump options include XA-Series air-operated foot pump
 - pressure gauge integrated in pump for optimal control
 - suitable for delicate pressing jobs from variable oil flow.

VLP-Series presses

- Unique “Hydrajust” bed positioning device on 100 and 200 ton VLP-presses allows adjustment of the lower bed.

No Workshop can do without one



XA-Series Foot Pump

The XLP-press with XA-Series air powered foot pump: no need to fully lift up foot – rest bodyweight on heel, resulting in a handsfree and stable working position – safe and controlled press operation.



Gauges

All press models include a gauge and gauge adaptor, matching the press capacity.



Side-to-side cylinder movement

Cylinder can be positioned horizontally side-to-side on all XLP-Series presses.



Safety Cages & Screen

Optional safety cages and screen with polycarbonate glass for additional operator protection.

▼ SELECTION CHART

Press Capacity	Maximum Daylight (mm)		Press Model Number	Power Source						Cylinder				
	ton (kN)	Vertical		Horizontal	Pump Type			Valve Type		Pump Model Nr.			Stroke (mm)	
				Man.	Elec.	Air	Man.	Elec.						
10 (101)	430	435	VLP106P142	●			●		P142	●		156	RC106	
	430	435	VLP106PAT1			●	●		PATG1102N	●		156	RC106	
25 (232)	1265	510	XLP256P392	●			●		P392	●		158	RC256	
	1265	510	XLP256XA11G			●	●		XA11G	●		158	RC256	
50 (498)	980	990	XLP506P802 *	●			●		P802	●		159	RC506	
	980	990	XLP506XA12G *			●	●		XA12G	●		159	RC506	
	980	990	XLP506ZES *		●			●	ZE4410SE-E050		●	156	RR506	
	980	990	XLP5013ZES *		●			●	ZE4410SE-E050		●	334	RR5013	
75 (718)	970	990	XLP756XA12G *			●	●		XA12G	●		156	RC756	
100 (933)	989	990	VLP1006ZES		●			●	ZE5420SW-E050		●	168	RR1006	
	989	990	VLP10013ZES		●			●	ZE5420SW-E050		●	333	RR10013	
200 (1995)	1340	1220	VLP20013ZES		●			●	ZE6420SW		●	330	RR20013	

* 50 and 75 ton XLP-Series presses can be ordered as factory assembled press frame. Add suffix “M” to press model number. Example: XLP506XA12GM.



= Single-Acting



= Double-Acting

Bench and Workshop Presses



Optional V-Blocks

To facilitate positioning of pipes and bars, or placed upside-down, to serve as a convenient worktable. Featuring precise fit into the press bolster. Each model number includes two V-blocks.

To be used with press (ton)	V-Blocks Model Number
10	VB10
25	VB25
50	VB501
75, 100	VB101
200	A200

"Hydrajust" Bed Positioning

Allows vertical adjustment of the lower bed on 100 and 200 ton VLP presses.

IMPORTANT: The "Hydrajust" bed positioning is not designed to withstand full cylinder capacity, only to be used for bed adjustment.

Page: 10

XLP, VLP Series



Capacity:

10 - 200 ton

Maximum Daylight x Width:

1340 x 1220 mm

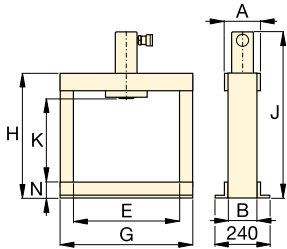
Maximum Operating Pressure:

700 bar

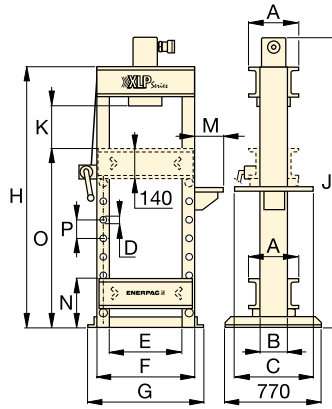


IMPORTANT!

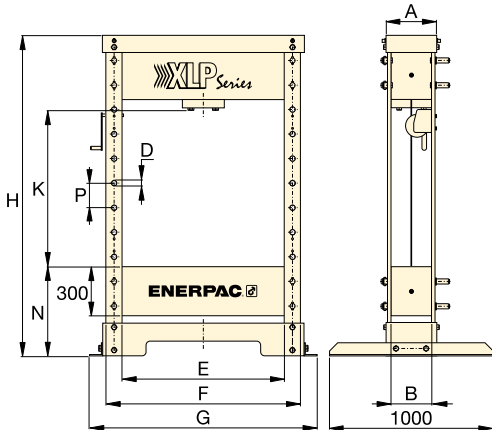
The pressframe of the workshop presses are exclusively designed for pressing operations, not for pulling. For pulling applications please contact Enerpac.



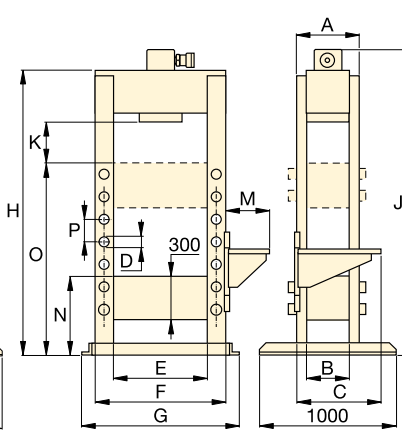
VLP 10 ton



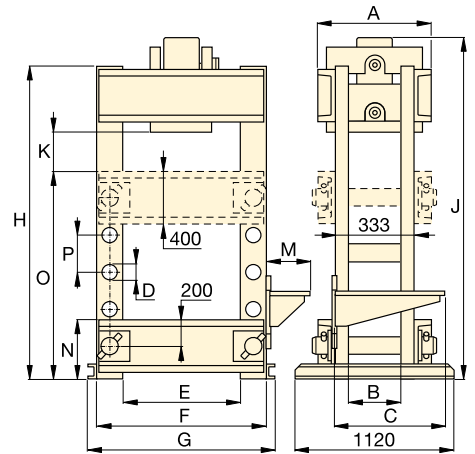
XLP 25 ton



XLP 50 and 75 ton



VLP 100 ton



VLP 200 ton

	Speed (mm/s) **		Dimensions (mm)															Press Model Number
	Rapid Advance	Pressing	A	B	C	D	E	F	G	H	J	K	M	N	O	P		
	{2,5} **	{0,6} **	110	80	–	–	435	–	542	620	748	430	–	80	–	–	49	VLP106P142
	10,0	1,8	110	80	–	–	435	–	542	620	748	430	–	80	–	–	54	VLP106PAT1
	{3,4} **	{0,7} **	260	140	510	32	510	630	700	1622	1740	370-1265	140	212	1070	122	165	XLP256P392
	10,0	1,3	260	140	610	32	510	630	700	1622	1740	370-1265	323	212	1070	122	170	XLP256XA11G
	{5,5} **	{0,3} **	310	240	–	32	990	1190	1390	1995	–	210-980	–	540	–	150	595	XLP506P802 *
	4,7	0,6	310	240	–	32	990	1190	1390	1995	–	210-980	–	540	–	150	600	XLP506XA12G *
	10,0	2,0	310	240	–	32	990	1190	1390	1995	–	210-980	–	540	–	150	660	XLP506ZES *
	10,0	2,0	310	240	–	32	990	1190	1390	1995	–	210-980	–	540	–	150	700	XLP5013ZES *
	3,2	0,4	420	330	–	40	990	1240	1430	1995	–	210-970	–	540	–	150	900	XLP756XA12G *
	10,0	2,1	400	340	560	40	990	1240	1400	1879	1885	239	425	540	1290	150	970	VLP1006ZES
	10,0	2,1	400	340	560	40	990	1240	1400	1879	2050	239	425	540	1290	150	993	VLP10013ZES
	6,6	1,6	553	233	560	76	1220	1620	1740	2285	2370	377	425	453	1415	254	1992	VLP20013ZES

** {...} = advance speed in mm per handpump stroke.

▼ Shown: BPR5075



- Quality welded frame for maximum strength and long life
- Frame rolls easily on 4 steel roller bearings
- Exclusive 'Hydra-Lift' bolster for effortless adjustment of the vertical daylight
- Standard roller head design allows lateral movement and locking of the cylinder up to 300 mm left or right of centre
- All models in the quick selection chart have been matched to an electric pump, double-acting cylinder, hose and gauge, offering the complete package
- Roll-Frame design features a stationary bed with the ability to support heavy loads
- Hydraulic clamp cylinder locks roll-frame into position.

Expert Designed Versatility



Cylinder adjustment

Cylinder adjustment allows horizontal side to side cylinder positioning.



Hydra-Lift

Allows easy, effortless daylight adjustment. Standard on all Roll-Frame presses.

Page: 10



Optional V-Blocks

These V-Blocks are designed for easy fixturing of round stock and other non-uniform materials. Featuring precise fit into the press bolster.

Page: 10

▼ SELECTION CHART

Press Capacity ton (kN)	Vertical Daylight A (mm)		Maximum Bed Width E (mm)	Electric Pump	Press Model Number		Double-Acting Cylinder		Speed (mm/sec)	
	min.	max.		Model Number			Stroke (mm)	Model Number	Rapid Advance	Pressing
50 (498)	152	942	730	ZE5420SW-S	BPR5075	334	RR5013	4,1	3,9	
100 (933)	159	1048	889	ZE3420SW	BPR10075	333	RR10013	7,7	0,7	
200 (1995)	279	1295	1219	ZE4420SW	BPR20075	330	RR20013	5.2	0.5	

Roll-Frame Presses

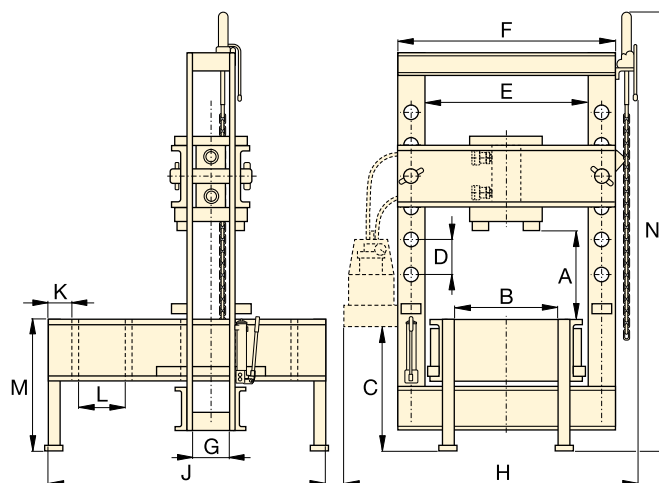


▲ For offshore application high capacity spring loaded cylinders need to be assembled and tested. A special 100 ton roll frame press, with long stroke cylinder has been constructed. All movements are operated and monitored through a PLC controlled pendant.



IMPORTANT!

The frameworks of the presses are exclusively designed for pressing operations, not for pulling. For pulling applications please contact Enerpac.



BPR Series



Capacity:

50 - 200 ton

Maximum Daylight x Width:

1295 x 1222 mm

Maximum Operating Pressure:

700 bar



Gauges

All press models include a gauge and gauge adaptor, matching the press capacity:

Press Capacity	Gauge Model Number	Adaptor Model Number
ton		
50	GF50B	GA2
100	GF871B	GA3
200	GF200B	GA3

For more information on gauges, please refer to the System Components section.



Spring Centred Valves

Manual valves on electric and air pumps of Enerpac presses are Spring Centred Valves. The handle will automatically move into the neutral valve position when released.

neutral valve position when released.

Roll-Frame Press Dimensions (mm)

Roll-Frame Press Dimensions (mm)														Press Model Number
A (min.-max.)	B	C	D	E	F	G	H	J	K	L	M	N	(kg)	
152 - 942	526	971	264	730	933	127	1420	1626	203	270	762	2870	917	BPR5075
159 - 1048	673	965	222	889	1143	146	1605	1676	203	270	813	3021	1767	BPR10075
279 - 1295	984	933	254	1219	1626	232	2150	2197	203	381	915	3200	4186	BPR20075

▼ Shown from left to right: A220, A330, A310



The Standard Workshop Tools

C-Clamp Press

- 5, 10 and 20 ton capacity
- Operational in all positions.

Arbor Press

- 10 and 30 ton capacity
- Foot mounting holes for horizontal or vertical positioning
- Machined working surfaces for easier fixturing
- Slotted back to simplify loading and unloading of longer parts.

▼ A310 Arbor Press



Push Pin A183

For applications requiring precision pressing, such as shaft removal and insertion. This attachment fits 10 ton cylinders and requires the use of a threaded adaptor saddle (A13).



Smooth Saddle A185

For pressing applications of delicate parts, such as aluminium castings, this saddle decreases surface marks during the pressing application. Requires 10 ton cylinder and threaded adaptor saddle (A13).



10 ton Bench Presses

For 10 ton VLP-Series Bench Presses selection see:

Page: 4

▼ SELECTION CHART

Press Type	Press Capacity	Maximum Vertical Daylight	Maximum Bed Width	Press Model Number	Cylinder Model Number *
	ton (kN)	(mm)	(mm)		
C-Clamp	5 (45)	165	51	A205	5 ton RC-cylinder *
	10 (101)	228	57	A210	10 ton RC-cylinder *
	20 (178)	305	69	A220	25 ton RC-cylinder **
Arbor	10 (101)	230	135	A310	10 ton RC-cylinder *
	30 (295)	254	178	A330	RC308 *

* Recommended cylinder must be ordered separately.

** Must be limited to 20 ton.

C-Clamp and Arbor Presses



▲ RC308 cylinder mounted in A330 Arbor Press powered by a PATG-Turbo Air pump for controlled pressing of bearings for sprockets of weaving machines. The V152 Pressure Relief Valve controls the pressing force.

A Series



Capacity:

5 - 30 ton

Maximum Daylight x Width:

305 x 178 mm

Maximum Operating Pressure:

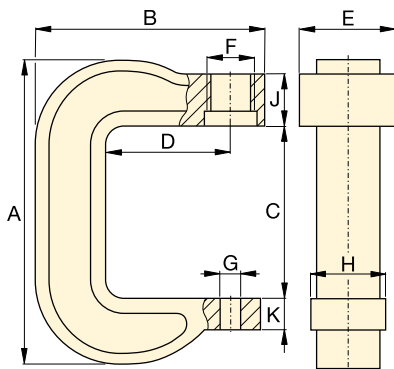
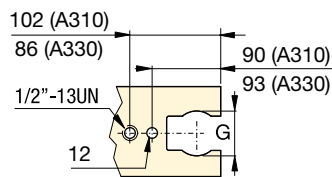
700 bar



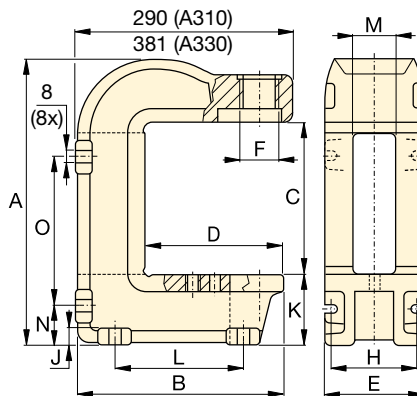
IMPORTANT!

For high-cycle production applications, the C-Clamp and Arbor presses should be limited to 50% of their capacity.

Top View Working Surface



A205, A210, A220



A310, A330



Hydraulic Cylinders

Cylinders for C-Clamps and Arbor Presses must be ordered separately.



Hydraulic Pumps

Pumps for C-Clamps and Arbor Presses must be ordered separately.

Press Dimensions (mm)



Press
Model
Number

A	B	C	D	E	F	G	H	J	K	L	M	N	O	(kg)	Press Model Number
291	203	165	95	73	1½" -16 UNS	26	51	66	25	—	—	—	—	7	A205
406	283	228	152	83	2¼" -14 UNS	26	76	64	41	—	—	—	—	17	A210
540	346	305	152	121	3⅝" -12 UNS	26	95	70	44	—	—	—	—	38	A220
414	281	230	184	151	2¼" -14 UNS	63	122	19	95	175	65	54	219	28	A310
563	356	254	188	178	3⅝" -12 UNS	63	140	28	168	203	67	99	276	100	A330

Description	Press Capacity and Press Series	Model Number		Features
V-Blocks	10 ton Bench VLP-Presses	VB10		- Facilitate positioning of pipes and bars - All V-Block model numbers include 2 V-blocks.
	25 ton Workshop XLP-Presses	VB25		
	50 ton Workshop XLP-Presses	VB501		
	75 ton XLP- and 100 ton VLP-Presses	VB101		
	200 ton Workshop VLP-Press	A200		
	200 ton BPR-Roll-Frame Press	A200R		
Hydra-Lift	50 ton BPR-Roll-Frame Press	IPLR100		- Allows easy, effortless daylight adjustments - Includes accessory chain.
	100 ton BPR-Roll-Frame Press	IPLR100		
	200 ton BPR-Roll-Frame Press	IPLR200		
Hydrajust Bed Positioning	100 ton Workshop VLP-Presses	VHJ100		- Allowing effortless daylight adjustment by moving the lower bed up and down - Can be used with presses equipped with double-acting cylinder.
	200 ton Workshop VLP-Press	BSS5380		
Safety Cage	IMPORTANT! The “Hydrajust” bed positioning is not designed to withstand full cylinder capacity, only to be used for bed adjustment.			- Aluminium safety cage with polycarbonate glass for additional operator protection - Front and rear door for easy access to press bed
Safety Screen	Front door for XLP25 ton press	XLP25SC1		- Aluminium safety screen with polycarbonate glass - Versatile use and protection - Lockable wheels for easy positioning
	Front + rear door for XLP25 ton press	XLP25SC2		
	Front door for XLP50 ton press	XLP50SC1		
	Front + rear door for XLP50 ton press	XLP50SC2		
	Front door for XLP75ton press	XLP75SC1		
	Front + rear door for XLP50 ton press	XLP75SC2		
	Universal moveable safety screen to be positioned before any press	XLPSS1		



IMPORTANT!

The pressframe of the workshop presses are exclusively designed for pressing operations, not for pulling. For pulling applications please contact Enerpac.

In order to fully comply with CE regulations, some presses must be equipped with specific safety components, such as spring centered valves, two-hand control devices, guards or others.

Enerpac standard general purpose presses are supplied without guards, and have a plunger speed of less than 10 mm/second.

However, your application may require that measures should be taken to reduce the risk of injury to operators and other personnel by providing appropriate safeguarding, training and conducting a risk assessment, which eliminates or reduces danger.

Health & safety within your workplace is your responsibility, not that of Enerpac.

Advice on such matters is available from your local enforcement agency. If you require any further information on Enerpac accessories that may help you conform to the Machinery Directive or European legislation contact Enerpac.



Press Frame

Press frames include features like workpiece side-loading and height adjustment of the upper bed and lower bed.

Power Source: Depending on the production requirements, Enerpac presses can be powered by manual, air-hydraulic and electric-drive power sources.

Cylinder: Depending on the application, double-acting cylinders offer increased efficiency. Check out the Selection Charts for the press best suited for your needs.

Gauge: All Workshop presses and Roll-Frame Presses feature an easy to monitor pressure/force gauge for increased safety.

Tension Meter and Load Cells

▼ Shown: **LH102** and **TM5** (in middle)



TM LH Series



Capacity:

900 - 90.000 kg

Accuracy, % of full scale:

± 2%



TM and LH models are 100% tested to verify accuracy within a ± 2% range.

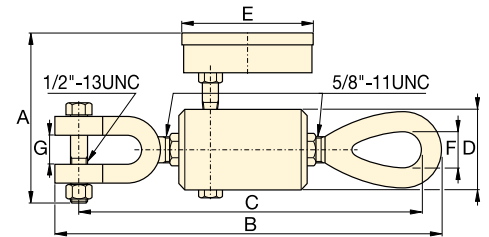
If your application requires a calibrated tool, it must be submitted for certification testing. Certification is NOT available from Enerpac.

Tension Meter TM5

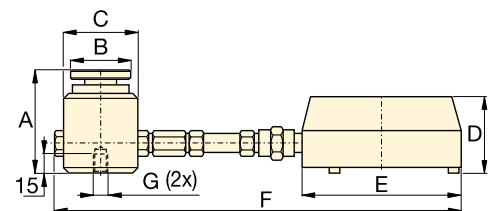
- Accuracy ± 2% of full scale
- Zinc and bronze plated to resist corrosion
- Dual-range readout in kilograms and pounds
- Maximum indicating pointer reading for pre-selected forces or to maintain force readings
- Cushioned metal case provides safe storage and transport.

Load Cells LH-Series

- Accuracy ± 2% of full scale
- Swivel loading pad reduces eccentric loading for improved accuracy
- Maximum indicating pointer reading pre-selected forces or to maintain maximum force readings
- Dual-range readout in kilograms and pounds.



TM5



LH-Series

▼ SELECTION CHART

Type	Gauge Capacity		Model Number	Minimum Reading		Gauge Scale Increments		Dimensions (mm)						
	(kg)	(lbs)		(kg)	(lbs)	(kg)	(lbs)	A	B	C	D	E	F	G *
Direct Mounted	4.500	10.000	TM5	500	1.000	100	100	120	247	236	50	93	22	19
Direct Mounted Load Cell	900	2.000	LH10	100	200	20	20	77	44	57	60	101	215	1/4" - 20, 44,5 BC
	4.500	10.000	LH50	500	1.000	100	100	77	44	57	60	101	215	1/4" - 20, 44,5 BC
Remote Mounted with 0,6 m Hose	900	2.000	LH102	100	200	20	20	77	44	57	60	147	846	1/4" - 20, 44,5 BC
	4.500	10.000	LH502	500	1.000	100	100	77	44	57	60	147	846	1/4" - 20, 44,5 BC
	9.000	20.000	LH1002	1.000	2.000	200	200	77	44	57	60	147	846	1/4" - 20, 44,5 BC
Remote Mounted with 1,8 m Hose	21.000	50.000	LH2506	3.000	5.000	500	500	101	69	85	60	147	2094	3/8" - 24, 63 BC
	45.000	100.000	LH5006	5.000	5.000	1.000	1.000	132	101	127	60	147	2135	3/8" - 24, 89 BC
	90.000	200.000	LH10006	10.000	10.000	1.000	2.500	158	127	158	60	147	2166	3/8" - 24, 102 BC

* BC = Bolt Circle



WORLD CLASS SUPPORT **RESULTS IN THE RIGHT TOOL**

Whether you're looking for help identifying the right product, receive technical support, training or request product materials, we have experts ready to answer your questions and provide guidance on the tool or accessory that will help get your toughest job done. Reach out to us at [Enerpac.com/support](https://www.enerpac.com/support).