

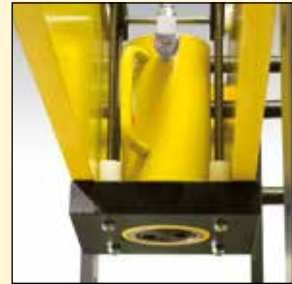
Enerpac Hydraulic Presses are available in a variety of capacities and sizes. The press frames are designed for maximum strength and durability. Strong frames and powerful high-pressure hydraulics will provide years of dependable service in many applications.

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

These Press features increase productivity and broaden the range of applications:

Side-to-side cylinder movement

Lateral movement capability of cylinder in upper bed.



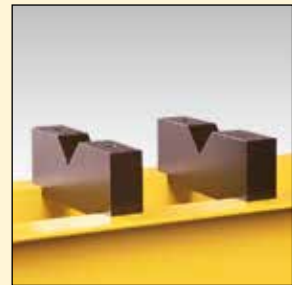
Press Kits









50 and 75 ton XLP-Series presses come as unassembled kits, and include complete press frame, winch, cylinder, pump with gauge, couplers and hose.



Optional "V-blocks"

For positioning of complex parts, are designed with high-strength steel for long life.



Capacity ton (kN)	Press type and functions	Serie	Image	Page
10 - 200 (101 - 1995)	H-Frame Presses	IP		132 ▶
50 - 75 (498 - 718)	Workshop Presses	XLP		132 ▶
50 - 200 (498 - 1995)	Roll-Frame Presses	IPR		136 ▶
5 - 20 (45 - 178)	C-Clamp Presses	A		138 ▶
10 - 30 (101 - 295)	Arbor Presses	A		138 ▶
10 (101)	Bench Frame Press	A		138 ▶
	Press Application Ideas and Custom Made Presses			140 ▶
4500 kg 900 - 90.000 kg	Tension Meters Load Cells	TM LH		141 ▶

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

Press Frame

Press frames include features like workpiece side-loading and height adjustment of the upper 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, H-Frame and Roll-Frame Presses feature an easy to monitor pressure/force gauge for increased safety.



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 workplace health and safety legislation, 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. 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.

▼ IPE-5060A, H-Frame Press



IP-Series, H-Frame Presses

- Quality welded frame for maximum strength and long life
- Exclusive “Hydra-Lift” bed for effortless adjustment of the vertical daylight (10 ton models are manual)
- Roller head design is standard to allow movement and locking of the cylinder from side to side (10-ton, 25-ton and 30-ton are manual)

XLP-Series Presses

- Multi-functional presses in kit form
- Easy grip forklift access
- Height adjustment of upper or lower bed with winch
- 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.



◀ Workshop press with safety cage to ensure additional operator safety.

Great Possibilities Great Performance



Cylinder Mounting Block

Allows cylinder mounting into a press frame, while also allowing side to side adjustment of cylinder position.



Hydra-Lift

Allows easy and effortless daylight adjustment. Standard on most IP-Series H-Frame Presses.

Page: 135



Side-to-side cylinder movement

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



Press Kits

The 50 and 75 ton XLP-series presses come standard as unassembled kits, and include complete press frame, winch, cylinder, pump with gauge, couplers and hose.



Easy grip forklift access

Cut-away in lower frame for pallet truck access allows easy transportation of 50 and 75 ton XLP-series presses.



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: 135

H-Frame and Workshop Presses

▼ XLP-506XA12G, Workshop Press



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 (see page 100 for XA-Series Pumps).

IP, XLP Series



Press Capacity:

10 - 200 ton

Maximum Daylight x Max. Bed Width:

1525 x 990 mm

Maximum Operating Pressure:

700 bar

▼ QUICK SELECTION CHART

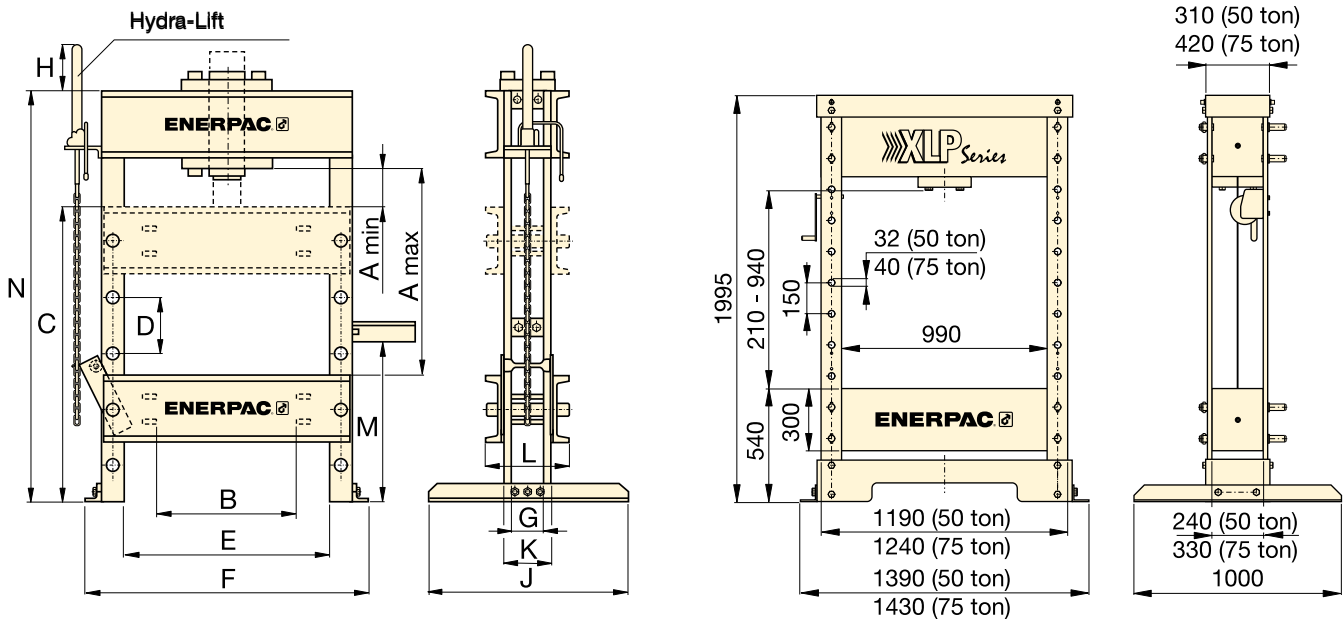
For more technical information see next page.

Press Capacity ton (kN)	Maximum Bed Daylight (mm)	Maximum Bed Width (mm)	Power Source					Press Model Number	Cylinder			Speed ¹⁾ (mm/sec)	
			Type			Valve			Stroke (mm)	Rapid Advance	Pressing		
			Man.	Elec.	Air	Man.	Elec.						
10 (101)	1525	456		●		●		IPE-1215A	●		254	38	3,7
	1525	456			●	●		IPA-1220A	●		254	23	2,9
	1525	456	●			●		IPH-1240A	●		254	[7,8]	[1,7]
	1525	456	●			●		IPH-1234A		●	254	[11,2]	[1,7]
	1525	456			●	●		IPA-1244A		●	254	23	2,9
25 (232)	1388	733		●		●		IPE-2505A	●		152	17	1,6
	1388	733		●			●	IPE-2510A	●		355	30,9	2,8
	1388	733			●	●		IPA-2520A	●		355	10	1,3
	1388	733	●			●		IPH-2531A	●		355	[4,9]	[0,7]
30 (295)	1388	733			●	●		IPA-3071A		●	355	42,0	0,6
	1388	733		●			●	IPE-3060A		●	355	24,3	2,2
	1388	733	●			●		IPH-3080A		●	355	[3,7]	[0,6]
50 (498)	1406	745		●			●	IPE-5010A	●		330	20,8	1,9
	993	990			●	●		XLP-506XA12G*	●		159	4,7	0,6
	1406	745	●			●		IPH-5031A	●		159	[2,3]	[0,3]
	1406	745		●			●	IPE-5005A	●		159	7,7	0,7
	1406	745			●	●		IPA-5073A		●	330	32,6	3,1
	1406	745		●			●	IPE-5060A		●	330	20,8	1,9
75 (718)	989	990			●	●		XLP-756XA12G*	●		156	3,2	0,4
	1096	885			●	●		IPA-10023A	●		254	17,4	1,6
100 (933)	1096	885		●			●	IPE-10010A	●		254	11,1	1,0
	1096	885	●			●		IPH-10030A	●		254	[8,8]	[0,3]
	1096	885		●			●	IPE-10060A		●	330	11,1	1,0
	1096	885			●	●		IPH-10080A		●	152	[8,8]	[0,3]
	150 (1386)	1323	1225		●			●	IPE-15065A		●	330	9,8
200 (1995)	1323	1225		●			●	IPE-20065A		●	330	6,8	1,0

* 50 and 75 ton XLP-Series presses can be ordered as factory assembled press frame: add suffix "M" to model number. Example: XLP-506XA12G-M.

¹⁾ [...] = Millimetres per stroke of pump handle.

H-Frame and Workshop Presses



IP-Series H-Frame Presses

XLP-Series 50 and 75 ton Workshop Presses

◀ For full features see previous page.

Press Capacity ton (kN)	Press Model Number	Pump Model Number	Page:	Cylinder Model Number	Page:	H-Frame Press Dimensions (mm)						
						A (max.)	A (min.)	B	C	D	E	F
10 (101)	IPE-1215A	PUJ-1200E	76	RC-1010	6	1525	128	-	1599	127	456	635
	IPA-1220A	XA-11	100	RC-1010	6	1525	128	-	1599	127	456	635
	IPH-1240A	P-392	64	RC-1010	6	1525	128	-	1599	127	456	635
	IPH-1234A	P-84	66	RR-1010	32	1525	128	-	1599	127	456	635
	IPA-1244A	XA-11VG	100	RR-1010	32	1525	128	-	1599	127	456	635
25 (232)	IPE-2505A	PUJ-1200E	76	RC-256	6	1388	180	-	1450	301	733	1028
	IPE-2510A	ZE3310SE	90	RC-2514	6	1388	180	-	1450	301	733	1028
	IPA-2520A	XA-12	100	RC-2514	6	1388	180	-	1450	301	733	1028
	IPH-2531A	P-80	66	RC-2514	6	1388	180	-	1450	301	733	1028
30 (295)	IPA-3071A	PAM-1042	97	RR-3014	32	1388	242	-	1450	301	733	1028
	IPE-3060A	ZE3410SE	90	RR-3014	32	1388	242	-	1450	301	733	1028
	IPH-3080A	P-84	66	RR-3014	32	1388	242	-	1450	301	733	1028
50 (498)	IPE-5010A	ZE4310SE	90	RC-5013	6	1406	195	530	1371	263	745	1085
	XLP-506XA12G*	XA-12G	100	RC-506	6	-	-	-	-	-	-	-
	IPH-5031A	P-80	66	RC-506	6	1406	195	530	1371	263	745	1085
	IPE-5005A	PUJ-1200E	76	RC-506	6	1406	195	530	1371	263	745	1085
	IPA-5073A	ZA4410MX	102	RR-5013	6	1406	195	530	1371	263	745	1085
	IPE-5060A	ZE4410SE	90	RR-5013	32	1406	195	530	1371	263	745	1085
	IPH-5080A	P-464	66	RR-5013	32	1406	195	530	1371	263	745	1085
75 (718)	XLP-756XA12G*	XA-12G	100	RC-756	6	989	-	-	-	-	-	-
100 (933)	IPA-10023A	ZA4210MX	102	RC-10010	6	1096	145	600	1296	300	885	1289
	IPE-10010A	ZE4310SE	90	RC-10010	6	1096	145	600	1296	300	885	1289
	IPH-10030A	P-462	66	RC-10010	6	1096	145	600	1296	300	885	1289
	IPE-10060A	ZE4410SE	90	RR-10013	32	1096	145	600	1296	300	885	1289
	IPH-10080A	P-464	66	RR-1006	32	1096	145	600	1296	300	885	1289
150 (1386)	IPE-15065A	ZE5420SW	90	RR-15013	32	1323	307	975	1485	254	1225	1725
200 (1995)	IPE-20065A	ZE5420SW	90	RR-20013	32	1323	307	975	1485	254	1225	1725

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

H-Frame 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 model	V-Blocks Modelnr.
10 ton bench	A-110
10 ton H-frame	A-136
25 & 30 ton H-frame	A-130
50 ton IP H-frame	A-150
50 ton XLP H-frame	VB-501
100 ton H-frame	A-175
150 & 200 ton H-frame	A-200R



Hydra-Lift™

Allows easy, effortless daylight adjustment. Standard on all 25 to 200 ton H-Frame presses.

To be used with H-Frame Press Capacity	Hydra-Lift™ Model Number
25 to 100 ton	IPL-100
150 and 200 ton	IPL-101

IMPORTANT: Hydra-Lift™ is not designed to withstand full cylinder capacity, only to be used for bed positioning.

IP, XLP Series



Press Capacity:

10 - 200 ton

Maximum Daylight x Max. Bed Width:

1525 x 990 mm

Maximum Operating Pressure:

700 bar

H-Frame Press Dimensions (mm)								Press Model Number
G	H	J	K	L	M	N	(kg)	
–	–	755	100	210	818	1829	98	IPE-1215A
–	–	755	100	210	818	1829	81	IPA-1220A
–	–	755	100	210	818	1829	81	IPH-1240A
–	–	755	100	210	818	1829	98	IPH-1234A
–	–	755	100	210	818	1829	89	IPA-1244A
101	336	762	133	309	855	1930	264	IPE-2505A
101	336	762	133	309	855	1930	298	IPE-2510A
101	336	762	133	309	855	1930	256	IPA-2520A
101	336	762	133	309	855	1930	263	IPH-2531A
101	336	762	133	309	855	1930	301	IPA-3071A
101	336	762	133	309	855	1930	339	IPE-3060A
101	336	762	133	309	855	1930	273	IPH-3080A
127	222	914	212	394	790	1930	523	IPE-5010A
–	–	–	–	–	–	–	600	XLP-506XA12G*
127	222	914	212	394	790	1930	430	IPH-5031A
127	222	914	212	394	790	1930	440	IPE-5005A
127	222	914	212	394	790	1930	541	IPA-5073A
127	222	914	212	394	790	1930	533	IPE-5060A
127	222	914	212	394	790	1930	489	IPH-5080A
–	–	–	–	–	–	–	900	XLP-756XA12G*
160	222	950	268	468	663	1930	787	IPA-10023A
160	222	950	268	468	663	1930	809	IPE-10010A
160	222	950	268	468	663	1930	764	IPH-10030A
160	222	950	268	468	663	1930	823	IPE-10060A
160	222	950	268	468	663	1930	752	IPH-10080A
257	175	1148	382	582	1094	2273	1900	IPE-15065A
257	175	1148	382	582	1094	2273	1951	IPE-20065A

* 50 and 75 ton XLP-Series presses can be ordered as factory assembled press frame: add suffix "M" to model number. Example: XLP-506XA12G-M.



H-Frame Press Gauges

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

Press Capacity ton (kN)	Gauge Model Number	Adaptor Model Number
10 (101)	GF-10B	GA-2
25 (232)	GF-20B	GA-2
30 (295)	GF-835B	GA-3
50 (498)	GF-50B	GA-2
100 (933)	GF-871B	GA-3
150 (1386)	GF-200B	GA-3
200 (1995)	GF-200B	GA-3

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



Spring Centred Valves

To convert standard VM-Series manual valves use the spring centered valves kits.

For valve model	Model Number
VM33, VM43	VMC3343K
VM33L, VM43L	VMC3343KL

▼ Shown: IPR-5075A



- **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**
- **Roller head design is standard to allow 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.**

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. Hydra-Lift™ includes accessory chain.

To be used with Roll-Frame Press Capacity	Hydra-Lift™ Model Number
50 & 100 ton	IPL-R100
200 ton	IPL-R200

IMPORTANT: Hydra-Lift™ is not designed to withstand full cylinder capacity, only to be used for bed positioning.



Optional V-Block

The V-Block is designed for easy fixturing of round stock and other non-uniform materials. Featuring precise fit into the press bolster. Model number includes 2 V-blocks.

To be used with Roll-Frame Press (ton)	V-Block Model Number
200	A-200R

▼ 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	Page		Stroke (mm)	Model Number	Page	Rapid Advance	Pressing
50 (498)	131	922	813	ZE4410SE	90	IPR-5075A	334	RR-5013	32	20,8	1,9
100 (933)	320	1208	886	ZE5410SW	90	IPR-10075A	333	RR-10013	32	14,5	2,1
200 (1995)	376	1138	1222	ZE5420SW	90	IPR-20075A	330	RR-20013	32	7,2	1,0

Roll-Frame Presses

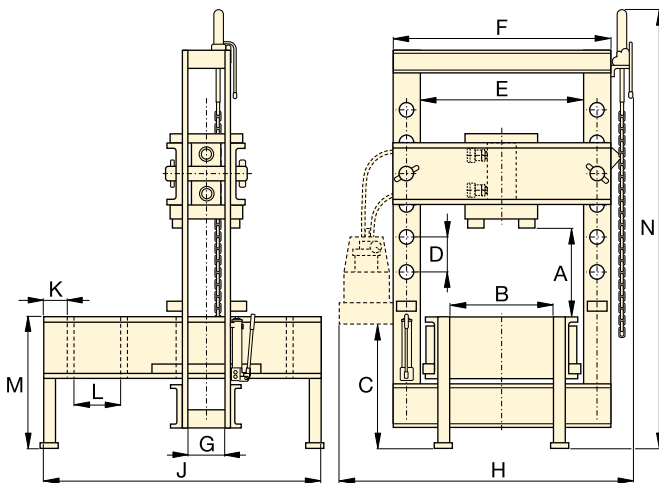


▲ For offshore application high capacity spring loaded cylinders need to be assembled and tested. A special 100 ton roll frame press, with long stroke cylinder has been constructed. All movements are operated and monitored through a PLC controlled pendant.



IMPORTANT!

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



IPR Series



Capacity:

50 - 200 ton

Maximum Daylight x Width:

1208 x 1222 mm

Maximum Operating Pressure:

700 bar



Gauges

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

Press Capacity ton	Gauge Model Number	Adaptor Model Number
50	GF-50B	GA-2
100	GF-871B	GA-3
200	GF-200B	GA-3

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

Page: 120



Spring Centred Valves

To convert standard VM-Series manual valves use the spring centered valves kits.

Page: 109

Roll-Frame Press Dimensions (mm)													Press Model Number	
A (min.-max.)	B	C	D	E	F	G	H	J	K	L	M	N		(kg)
131-922	686	971	264	813	1006	102	1557	1626	216	270	800	2629	917	IPR-5075A
320-1208	706	965	222	886	1140	143	1588	1677	220	270	800	2778	1767	IPR-10075A
376-1138	1010	933	254	1222	1622	257	2197	1631	380	381	889	3115	4186	IPR-20075A

▼ Shown from left to right: A-220, A-330 and A-258



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.

Bench Press Frame

- Cylinder mounting adaptor allows lateral positioning along rails
- Mounting holes for easy mounting to fix surface.

▼ A-310 Arbor Press



▼ SELECTION CHART

Press Type	Press Capacity ton (kN)	Maximum Vertical Daylight (mm)	Maximum Bed Width (mm)	Press Model Number	Cylinder Model Number *	Page:
C-Clamp	5 (45)	165	51	A-205	5 ton RC-cylinder *	6
	10 (101)	228	57	A-210	10 ton RC-cylinder *	6
	20 (178)	305	70	A-220	25 ton RC-cylinder **	6
Arbor	10 (101)	227	135	A-310	10 ton RC-cylinder *	6
	30 (295)	260	178	A-330	RC-308 *	6
Bench	10 (101)	419	381	A-258	10 ton RC-cylinder *	6

The Standard Workshop Tools



Push Pin A-183

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 (A-13).

Page: 166



Smooth Saddle A-185

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 (A-13).

Page: 167



Hydraulic Cylinders

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

Page: 5



Hydraulic Pumps

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

Page: 63

* Recommended cylinder must be ordered separately.

** Must be limited to 20 ton.

C-Clamp, Arbor and Bench Presses



▲ RC-308 cylinder mounted in A-330 Arbor Press powered by a PATG-Turbo Air pump for controlled pressing of bearings for sprockets of weaving machines. The V-152 Pressure Relief Valve controls the pressing force.

A Series



Capacity:
5 - 30 ton

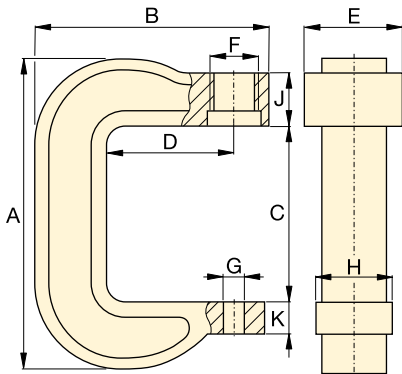
Maximum Daylight x Width:
419 x 381 mm

Maximum Operating Pressure:
700 bar



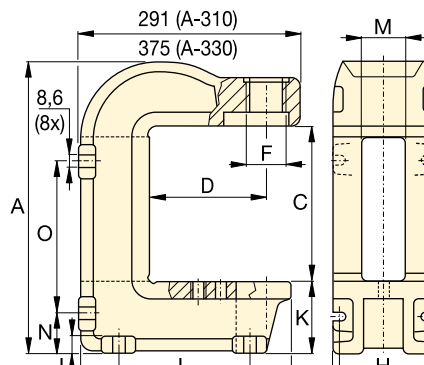
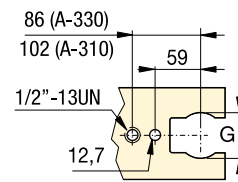
IMPORTANT!

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

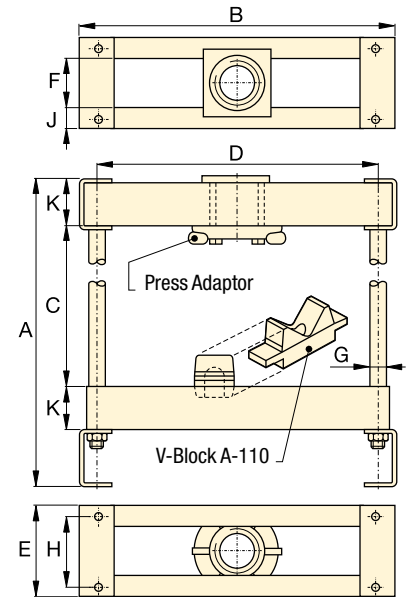


C-Clamp Presses
A-205, A-210, A-220

Top View Working Surface




Arbor Presses
A-310, A-330



Bench Press Frame
A-258

Press Dimensions (mm)

Press Dimensions (mm)																Press Model Number
A	B	C	D	E	F	G	H	J	K	L	M	N	O	(kg)		
291	203	165	95	73	1½" -16 UN	26	51	66	25	-	-	-	-	7	A-205	
406	283	228	152	83	2¼" -14 UN	26	76	64	41	-	-	-	-	17	A-210	
540	346	305	152	108	3 ⁵ / ₁₆ " -12 UN	26	95	70	44	-	-	-	-	38	A-220	
414	281	227	152	135	2¼" -14 UN	63	122	19	97	175	65	54	219	27	A-310	
557	353	260	152	178	3 ⁵ / ₁₆ " -12 UN	63	140	25	165	203	67	98	276	86	A-330	
651	476	419	406	146	82	25	114	31	69	-	-	-	-	48	A-258	

Enerpac hydraulics power many custom press applications. By providing reliable and safe high-pressure solutions, Enerpac can solve your custom press application.

Custom made presses

Next to an extensive line of standard presses, Enerpac offers, as market leader in high pressure hydraulics, also the possibility for customization. Whether a longer stroke, wider frame or complete new design is required, our special product group has many years of experience in all kind of industries.

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.

Enerpac was consulted to assist in the design of a high accuracy production press. Control of the press force is monitored along with the temperature of the coils during forming by a PLC Control System.



◀ 600 Ton High-Accuracy Collar Press

For production of accelerator coils, sheet metal needs to be formed into a specific shape and size. The end product of this forming is a cylindrical collar, which has a very solid structure, specific shape, and a tight tolerance for circularity and concentricity.

The Enerpac team was consulted to accomplish this task using proven high-pressure technology. The 600-ton press consisted of two separate hydraulic systems. The first system featured eight 25-ton cylinders, to position the sheets, while the second system featured eight 75-ton cylinders, to press the sheets into the correct shape. The results were a hydraulic press system that increased productivity and lowered operating costs.

1000 Ton Cold Forming Press ►

A manufacturer of diesel engines needed to work-harden aluminum for crankshaft bearing inserts. Working with a customer-hired Systems Integrator, Enerpac provided a 1000-ton cylinder and hydraulic power supply, to the specifications required by the Integrator, to fit into his custom frame and operate with his control system. The Enerpac solution included a 50-series electric pump and 4-way electric solenoid valve.

The final products allowed the end user to quickly, accurately, and safely manufacture crankshaft bearings with an efficient production cycle.



Tension Meter and Load Cells

▼ Shown: LH-102 and TM-5 (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.

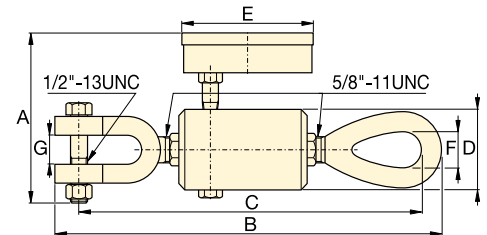
If your application requires a calibrated tool, it must be submitted for certification testing. Certification is NOT available from Enerpac.

Tension Meter TM-5

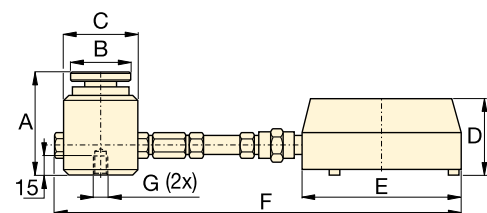
- Accuracy ± 2% of full scale
- Zinc and bronze plated to resist corrosion
- Dual-range readout in kilograms and pounds
- Maximum indicating pointer reading for pre-selected forces or to maintain force readings
- Cushioned metal case provides safe storage and transport.

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.



TM-5



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	TM-5	500	1.000	100	100	120	247	236	50	93	22	19
Direct Mounted Load Cell	900	2.000	LH-10	100	200	20	20	77	44	57	60	101	215	¼" - 20, 44,5 BC
	4.500	10.000	LH-50	500	1.000	100	100	77	44	57	60	101	215	¼" - 20, 44,5 BC
Remote Mounted with 0,6 m Hose	900	2.000	LH-102	100	200	20	20	77	44	57	60	147	846	¼" - 20, 44,5 BC
	4.500	10.000	LH-502	500	1.000	100	100	77	44	57	60	147	846	¼" - 20, 44,5 BC
	9.000	20.000	LH-1002	1.000	2.000	200	200	77	44	57	60	147	846	¼" - 20, 44,5 BC
Remote Mounted with 1,8 m Hose	21.000	50.000	LH-2506	3.000	5.000	500	500	101	69	85	60	147	2094	¾" - 24, 63 BC
	45.000	100.000	LH-5006	5.000	5.000	1.000	1.000	132	101	127	60	147	2135	¾" - 24, 89 BC
	90.000	200.000	LH-10006	10.000	10.000	1.000	2.500	158	127	158	60	147	2166	¾" - 24, 102 BC

* BC = Bolt Circle