

HYDRAULIC PRESSES





Technical Solutions for your work

The Company

Innovation, reliability, safety, accuracy are our core values.

AxA was founded in 1985 and we have since specialised in constructing hydraulic presses and counterbalanced workshop cranes. Thanks to our multi-year experience, we can produce technical solutions tailored to meet our customers' special requirements. We also build on that experience to develop new models, because we strongly believe in innovation. Before accessing the production phase and acquiring AxA mark our prototypes are rigorously tested.

Our long history proves the quality of our made in Italy production. We have been chosen as business partner by well-known companies in Italy and abroad. We are indeed located in Emilia Romagna, at the heart of the Italian Motor Valley, an area in the North of the Country with centuries-old tradition in the mechanic sector - particularly automotive, that has produced some of the world best Brands. In this land, rich in technical schools and laboratories, we have grown up surrounded by the nice and unique blend of passion, tradition and innovation.



Innovation, reliability and safety are our core values.



Precision in your work

Our Hydraulic Presses

Designed and manufactured by AxA Group, our hydraulic presses are of excellent build quality, guaranteed by severe controls at each stage of the production process, up to final testing. We pay great attention to details: all Made in Italy components, supplied by certified producers and verified through a modern supply chain. Our presses come with an extra-solid structure: frame is entirely laser-cut, with monolithic uprights and no welded points in strained areas. They are compliant with EU Directives and CE marked.

AxA produces the power units as well. Standard models, always available in stock, range from 12 to 150 tons of max capacity. Furthermore, we manufacture special presses tailored on clients' specific requirements of height, length, thickness, cylinder stroke, speed. A full range of standard and special accessories is also available to make our machines suitable for many applications: V blocks, working tables, plates, perimeter protections, limit switch, anti-rotation devices.



AxA Hydraulic presses are essential equipment in any factory.



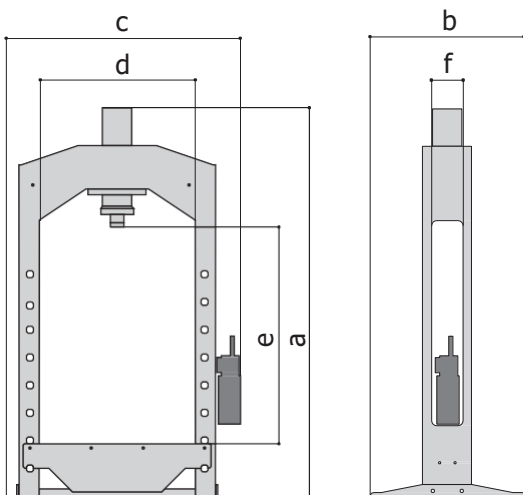
P12B / P12 / P12P / P20 / P20P

MANUAL HYDRAULIC PRESS, FLOOR MOUNTED AND WITH PNEUMATIC FOOT PUMP

12/20 TONS

P12 press comes in three versions: on stand (P12B) floor mounted (P12) with pneumatic foot pump (P12P). P20 press comes in two versions: floor mounted (P20) with pneumatic foot pump (P20P).

Heavy duty, entirely laser-cut. Equipped with a double-speed pump: fast mode for low pressure and slow mode for high pressure. Cylinder is fitted with a spring return device and a pressure gauge.



Technical data						
	UM	P12B	P12	P12P	P20	P20P
Max capacity	[tons]	12	12	12	20	20
Weight	[kg]	90	100	100	110	110
Max pressure	[bar]	400	400	400	400	400
Speed in fast mode	[l/min]	3,2	3,2	3,2	3,2	3,2
Speed in slow mode	[l/min]	0.28	0.28	0.28	0.28	0.28
Cylinder stroke	[mm]	190	190	190	190	190

Dimensions						
	a	b	c	d	e	f
P12B	1240	530	800	510	400	80
P12	1860	530	800	510	1020	80
P12P	1860	530	740	510	1020	80
P20	1890	590	910	510	1040	80
P20P	1890	590	860	510	1040	80

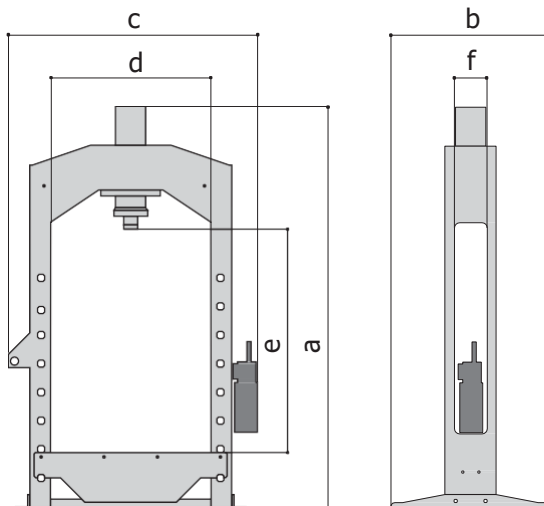


P30 / P50 MANUAL HYDRAULIC PRESS WITH MANUAL PUMP

30/50 TONS

Heavy duty, entirely laser-cut.
Equipped with a double-speed pump: fast mode for low pressure and slow mode for high pressure. Cylinder is fitted with a spring return device and a pressure gauge.

Technical data			
	UM	P30	P50
Max capacity	[tons]	30	50
Weight	[kg]	250	400
Max pressure	[bar]	400	400
Speed in fast mode	[l/min]	3.2	3.2
Speed in slow mode	[l/min]	0.28	0.28
Cylinder stroke	[mm]	170	170



Dimensions						
	a	b	c	d	e	f
P30	1990	700	1250	700	1120	130
P50	2000	800	1350	800	1060	160





12 TONS

P12BMR / P12MR ELECTRO-HYDRAULIC PRESS AUTOMATIC DOUBLE-SPEED WITH FAST APPROACH

Heavy-duty electro-hydraulic press, entirely laser-cut. Extra- solid structure without welded points in frontal frame.

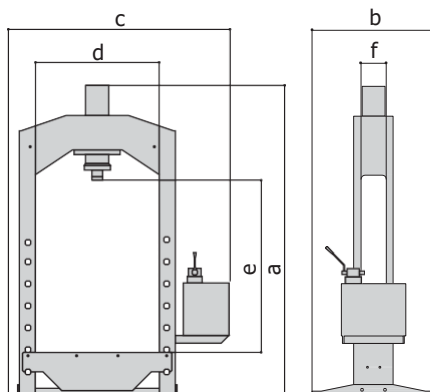
Power unit with submerged motor 400V 50-60 Hz, automatic double-speed pump calibrated at 20 Bar (from fast approach to working speed) and a pump to adjust pressure through a knob. Fitted with a safety valve that prevents machine overpressure.

A manometer mounted on the distributor indicates working pressure.

Optional available on request: V blocks, plates, electric speed control device, perimeter protection and limit switch.



Technical data			
	UM	P12MR	P12BMR
Max capacity	[ton]	12	12
Approaching speed	[mm/min]	1800	1800
Working speed	[mm/min]	750	750
Max capacity in fast mode	[l/min]	6	6
Max capacity in slow mode	[l/min]	2.5	2.5
Cylinder stroke	[mm]	300	300
Cylinder bore center	[mm]	65	65
Stem diameter	[mm]	40	40
Shank diameter	[mm]	M14	M14
Tank capacity	[litri]	30	30
Max pressure	[bar]	350	350
Tension	[V]	400	400
Frequency	[Hz]	50-60	50-60
Motor power	[kW]	1.5	1.5
Max power adsorption	[A]	2.8	2.8
Weight	[kg]	150	140



Dimensions						
	a	b	c	d	e	f
P12BMR	1200	530	1100	510	400	80
P12MR	1840	530	1100	510	1040	80



P20MR / P30MR

ELECTRO-HYDRAULIC PRESS

AUTOMATIC DOUBLE-SPEED WITH FAST APPROACH

20/30 TONS

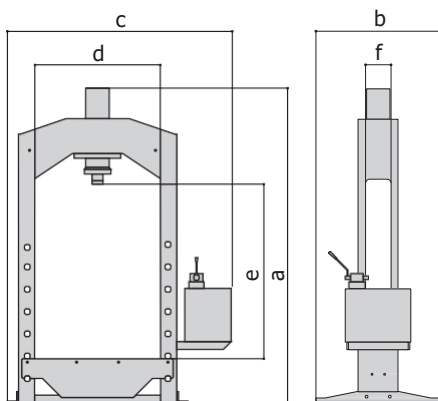
Heavy-duty electro-hydraulic press, **entirely laser-cut**. Extra- solid structure without welded points in frontal frame.

Power unit with submerged motor **400V 50-60 Hz**, automatic double-speed pump calibrated at **20 Bar** (from fast approach to working speed) and a pump to adjust pressure through a knob. Fitted with a safety valve that prevents machine overpressure.

A manometer mounted on the distributor indicates working pressure.

Optional available on request: **V blocks, plates, electric speed control device, perimeter protection and limit switch.**

Technical data			
	UM	P20MR	P30MR
Max capacity	[tons]	20	30
Approaching speed	[mm/min]	1800	1700
Working speed	[mm/min]	450	300
Max capacity in fast mode	[l/min]	10	14
Max capacity in slow mode	[l/min]	2.5	2.5
Cylinder stroke	[mm]	300	300
Cylinder bore center	[mm]	85	105
Stem diameter	[mm]	45	60
Shank diameter	[mm]	M14	M30
Tank capacity	[litri]	30	30
Max pressure	[bar]	350	350
Tension	[V]	400	400
Frequency	[Hz]	50-60	50-60
Motor power	[kW]	1.5	1.5
Max power adsorption	[A]	3.8	3.8
Weight	[kg]	200	260



Dimensions						
	a	b	c	d	e	f
P20MR	1850	590	1200	510	1050	80
P30MR	1960	700	1350	700	1120	130





P50MR

ELECTRO-HYDRAULIC PRESS AUTOMATIC DOUBLE-SPEED WITH FAST APPROACH

50 TONS

Heavy-duty electro-hydraulic press, **entirely laser-cut**. Extra- solid structure without welded points in frontal frame.

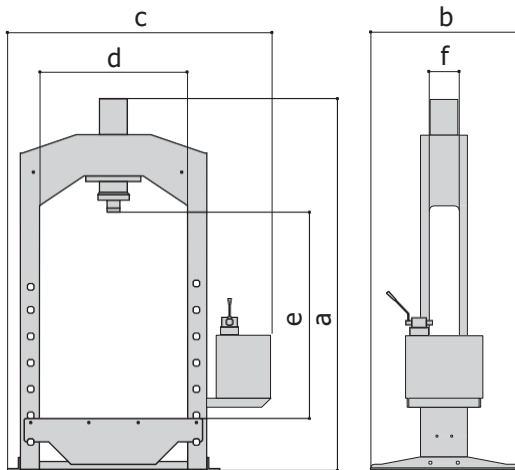
Power unit with submerged motor 400V 50-60 Hz, automatic double-speed pump calibrated at 20 Bar (from fast approach to working speed) and a pump to adjust pressure through a knob.

Fitted with a safety valve that prevents machine overpressure. A manometer mounted on the distributor indicates working pressure.

Optional available on request: **V blocks, plates, electric speed control device, perimeter protection and limit switch.**

Technical data

	UM	P50MR
Max capacity	[tons]	50
Approaching speed	[mm/min]	1800
Working speed	[mm/min]	350
Max capacity in fast mode	[l/min]	26
Max capacity in slow mode	[l/min]	5
Cylinder stroke	[mm]	300
Cylinder bore center	[mm]	135
Stem diameter	[mm]	70
Shank diameter	[mm]	M30
Tank capacity	[litri]	50
Max pressure	[bar]	350
Tension	[V]	400
Frequency	[Hz]	50-60
Motor power	[kW]	3
Max power adsorption	[A]	5.5
Weight	[kg]	500



Dimensions

	a	b	c	d	e	f
P50MR	1965	800	1550	800	1060	160





110 TONS

P110MR

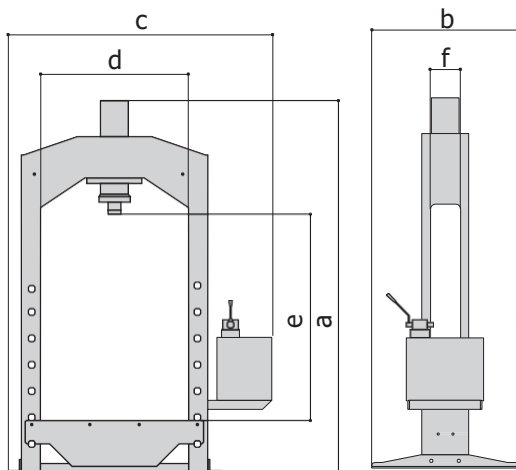
ELECTRO-HYDRAULIC PRESS

AUTOMATIC DOUBLE-SPEED WITH FAST APPROACH

Heavy-duty electro-hydraulic press, **entirely laser-cut**. Extra- solid structure without welded joints. Power unit with submerged motor **400V 50-60 Hz**, automatic double-speed pump calibrated at **20 Bar** (from fast approach to working speed) and a pump to adjust pressure through a knob.

Fitted with a safety valve that prevents machine overpressure. A manometer mounted on the distributor indicates working pressure. Optional available on request: **V blocks, plates, electric speed control device, perimeter protection and limit switch.**

Technical data		
	UM	P110MR
Max capacity	[tons]	110
Approaching speed	[mm/min]	1600
Working speed	[mm/min]	161
Max capacity in fast mode	[l/min]	48
Max capacity in slow mode	[l/min]	5
Cylinder stroke	[mm]	300
Cylinder bore center	[mm]	200
Stem diameter	[mm]	110
Shank diameter	[mm]	M30
Tank capacity	[litri]	50
Max pressure	[bar]	350
Tension	[V]	400
Frequency	[Hz]	50-60
Motor power	[kW]	3
Max power adsorption	[A]	7.3
Weight	[kg]	1100



Dimensions						
	a	b	c	d	e	f
P110MR	2030	1280	1880	1004	1060	280



P150MR

PELECTRO-HYDRAULIC PRESS

AUTOMATIC DOUBLE-SPEED WITH FAST APPROACH

150 TONS

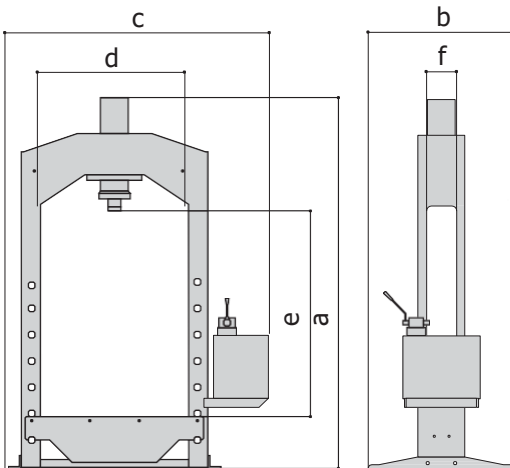
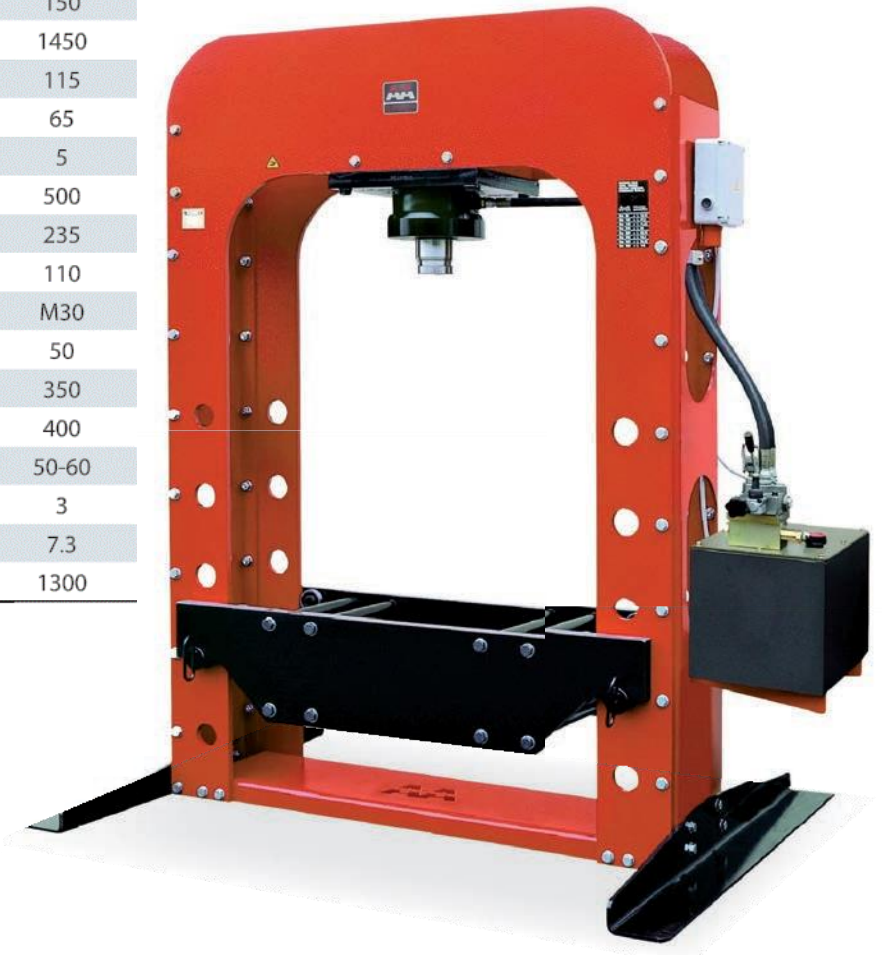
Heavy-duty electro-hydraulic press, **entirely laser-cut**.
 Extra- solid structure without welded points.
 Power unit with submerged motor **400V 50-60 Hz**,
 automatic double-speed pump calibrated at **20 Bar**
 (from fast approach to working speed) and a pump to
 adjust pressure through a knob.
 Fitted with a safety valve that prevents machine
 overpressure.

A manometer mounted on the distributor indicates
 working pressure.

Optional available on request: **V blocks, plates,**
electric speed control device, perimeter
protection and limit switch.

Cylinder stroke 500mm as standard.

Technical data		
	UM	P150MR
Max capacity	[tons]	150
Approaching speed	[mm/min]	1450
Working speed	[mm/min]	115
Max capacity in fast mode	[l/min]	65
Max capacity in slow mode	[l/min]	5
Cylinder stroke	[mm]	500
Cylinder bore center	[mm]	235
Stem diameter	[mm]	110
Shank diameter	[mm]	M30
Tank capacity	[litri]	50
Max pressure	[bar]	350
Tension	[V]	400
Frequency	[Hz]	50-60
Motor power	[kW]	3
Max power adsorption	[A]	7.3
Weight	[kg]	1300



Dimensions						
	a	b	c	d	e	f
P150MR	2100	1280	1880	1004	1000	280



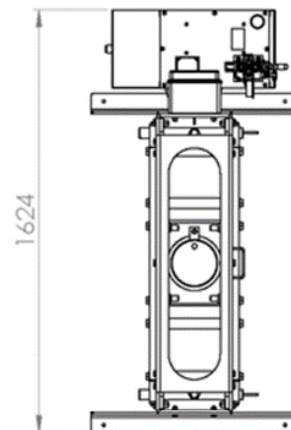
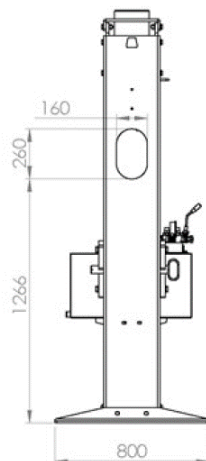
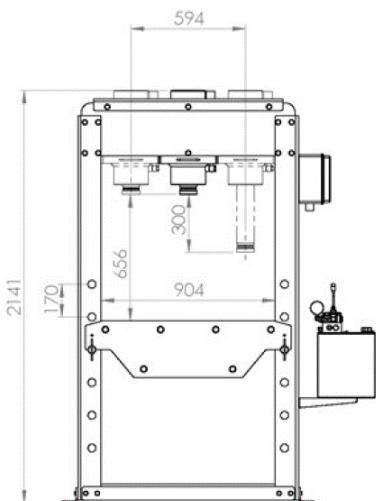
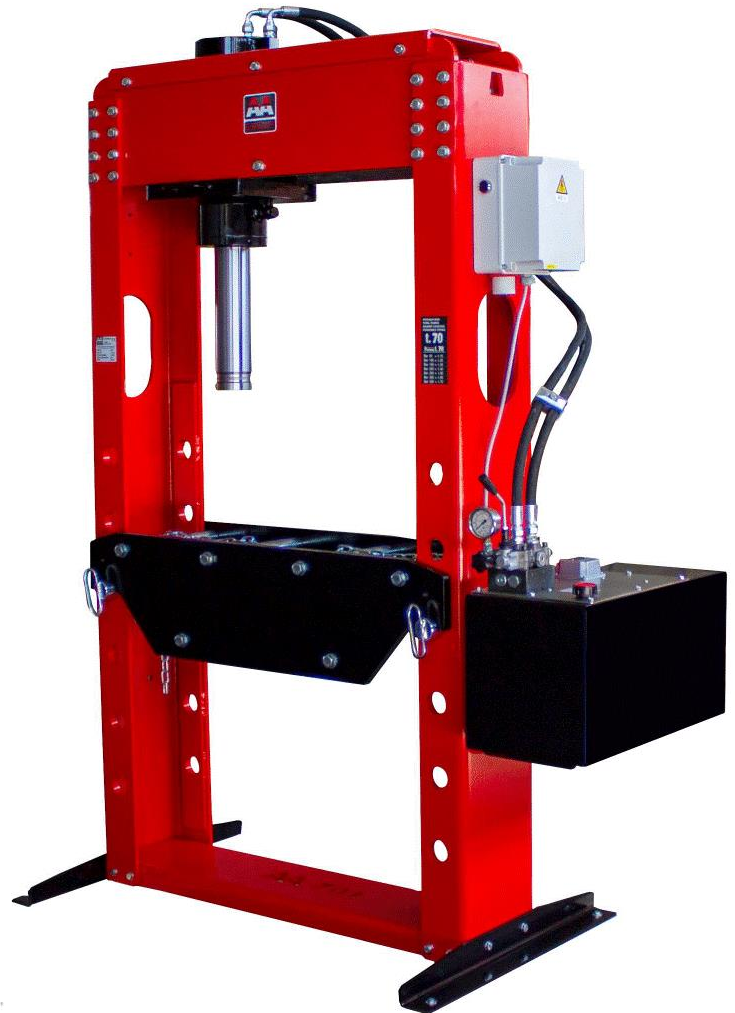
PM70 ELECTRO-HYDRAULIC PRESS WITH MOBILE RAM

70 TONS

PM series come with mobile ram. Extra-solid structure composed by two laser-cut monolithic uprights in FE510. No welded components. Power unit with submerged motor 400V 50-60 Hz, automatic double-speed pump calibrated at 20 Bar (from fast approach to working speed) and a pump to adjust pressure through a knob. Fitted with a safety valve that prevents machine overpressure.

A manometer mounted on the distributor indicates working pressure. Press is fitted with a tank with 50 lt of capacity. Everlasting machine, suitable for a variety of uses and applications.

Technical data		
	UM	PM70
Max capacity	[tons]	70
Approaching speed	[mm/min]	1800
Working speed	[mm/min]	450
Max capacity in fast mode	[l/min]	33
Max capacity in slow mode	[l/min]	5
Cylinder stroke	[mm]	300
Cylinder bore center	[mm]	160
Stem diameter	[mm]	90
Shank diameter	[mm]	30
Tank capacity	[litri]	50
Max pressure	[bar]	350
Tension	[V]	400
Frequency	[Hz]	50-60
Motor power	[kW]	3
Max power adsorption	[A]	5.5
Weight	[kg]	550





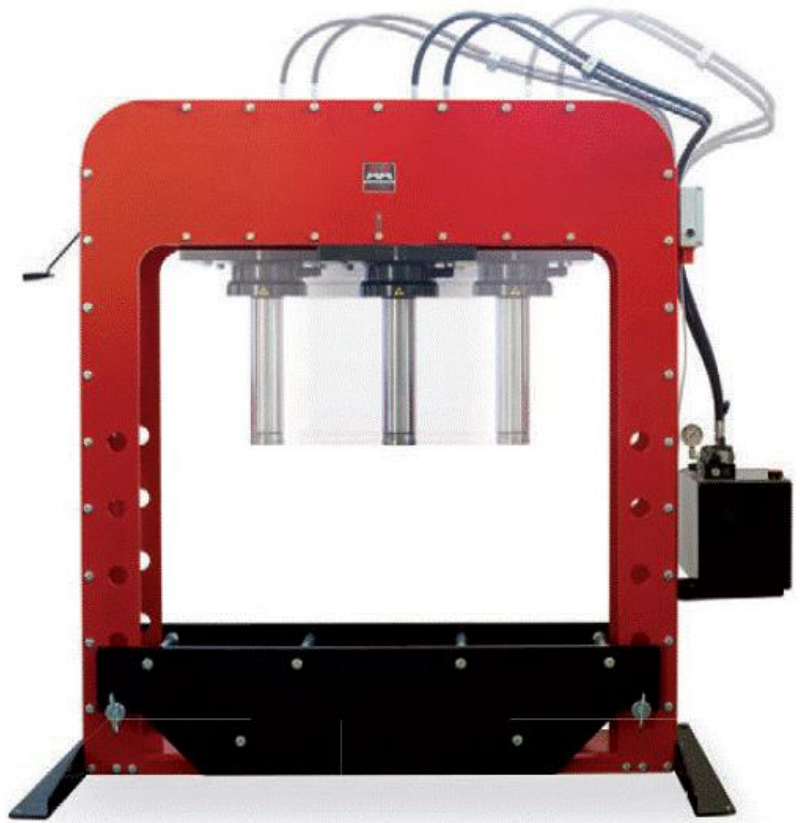
PM110-15 ELECTRO-HYDRAULIC PRESS WITH MOBILE RAM

110 TONS

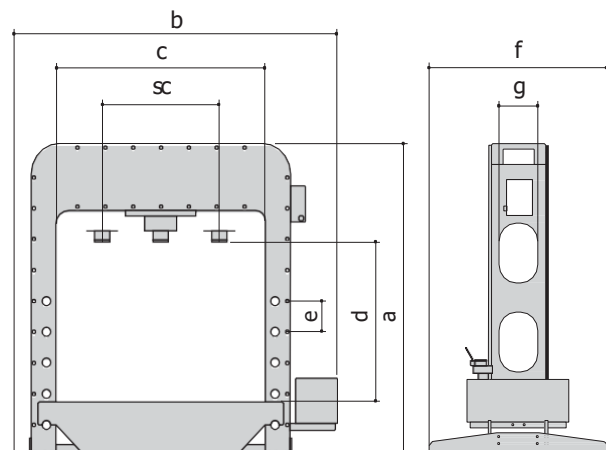
PM series come with mobile ram.
Extra-solid structure composed by two laser-cut monolithic uprights in FE510. No welded components. Width between uprights is **1500 mm** and cylinder slide aisle **840 mm**.
Power unit with submerged motor **400V 50-60 Hz**, automatic double-speed pump calibrated at **20 Bar** (from fast approach to working speed) and a pump to adjust pressure through a knob.
Fitted with a safety valve that prevents machine overpressure.

A manometer mounted on the distributor indicates working pressure.
Press is fitted with a **tank with 50 lt** of capacity.
Everlasting machine, suitable for a variety of uses and applications.

Technical data		
	UM	PM110-15
Max capacity	[tons]	110
Approaching speed	[mm/min]	1600
Working speed	[mm/min]	161
Max capacity in fast mode	[l/min]	48
Max capacity in slow mode	[l/min]	5
Cylinder stroke	[mm]	300
Cylinder bore center	[mm]	200
Stem diameter	[mm]	110
Shank diameter	[mm]	M30
Tank capacity	[litri]	50
Cylinder slide aisle	[mm]	840
Max pressure	[bar]	350
Tension	[V]	400
Frequency	[Hz]	50-60
Motor power	[kW]	3
Max power adsorption	[A]	7.3
Weight	[kg]	1300



Dimensions								
	a	b	c	d	e	f	g	sc
PM110-15	2140	2360	1500	1005	210	1280	280	840





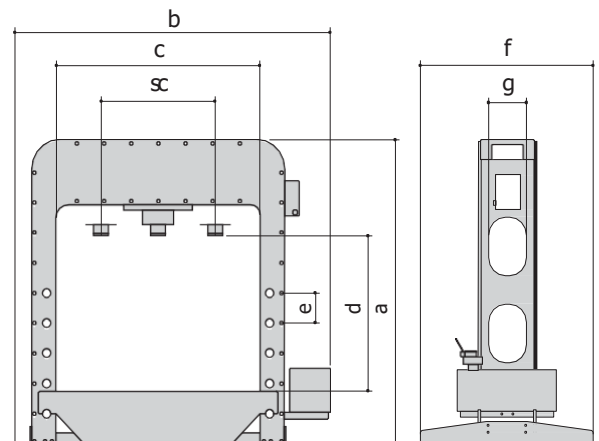
PM150-15 ELECTRO-HYDRAULIC PRESS WITH MOBILE RAM

150 TONS

PM series come with a mobile ram. Extra-solid structure composed by two laser-cut monolithic uprights in FE510. No welded components. Width between uprights is 1500 mm and cylinder slide aisle 840 mm. Power unit with submerged motor 400V 50-60 Hz, automatic double-speed pump calibrated at 20 Bar (from fast approach to working speed) and a pump to adjust pressure through a knob. Fitted with a safety valve that prevents machine overpressure.

A manometer mounted on the distributor indicates working pressure. Press is fitted with a tank with 50 lt of capacity. Everlasting machine, suitable for a variety of uses and applications.

Technical data		
	UM	PM150-15
Max capacity	[tons]	150
Approaching speed	[mm/min]	1450
Working speed	[mm/min]	115
Max capacity in fast mode	[l/min]	65
Max capacity in slow mode	[l/min]	5
Cylinder stroke	[mm]	500
Cylinder bore center	[mm]	235
Stem diameter	[mm]	110
Shank diameter	[mm]	M30
Tank capacity	[litri]	50
Cylinder slide aisle	[mm]	840
Max pressure	[bar]	350
Tension	[V]	400
Frequency	[Hz]	50-60
Motor power	[kW]	3
Max power adsorption	[A]	7.3
Weight	[kg]	1500

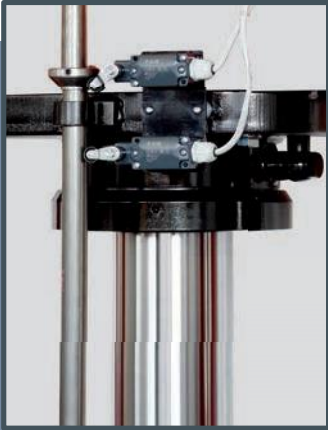


Dimensions								
	a	b	c	d	e	f	g	sc
PM150-15	2210	2380	1500	980	210	1280	280	840



ACCESSORIES

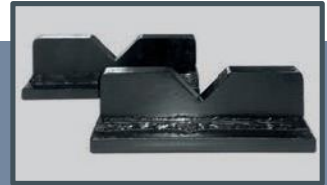
A large choice of accessories is available on request: MFC12-150 limit switch - RL12-150 one hand control device - PP20-150 perimeter protections - Rod anti-rotation device - V blocks - Pin-extracting plates - Milled plates with T-slots - Sliding working tables - Special equipment on customer specifications.



Limit switch



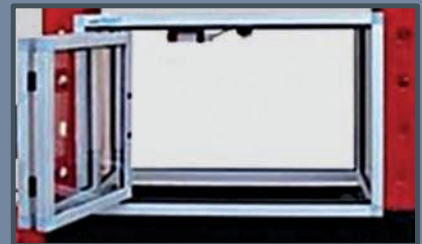
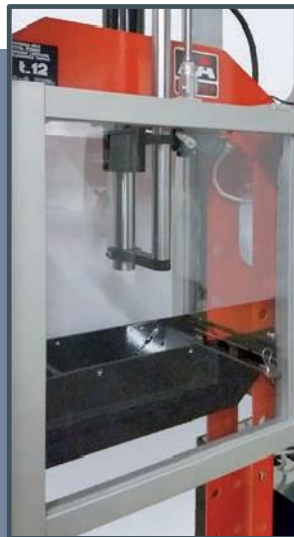
One hand control device



V blocks - Pin-extracting



Special command panels



Perimeter protection



Milled plates - sliding working tables.



SPECIAL PRESSES

AxA Group designs and produces customized presses up to 1000 tons, with special requirements of capacity, speed, cylinder stroke, working tables, perimeter protections, power units, control stations and foot pedal pumps.



AxA Group Srl reserves the right to make changes to its products at any time and without prior notice, while ensuring in any case the performances requested by the Customer. Pictures and technical data of the products listed on price lists, websites and catalogs published by AxA Group Srl are not binding as we reserve the right to make changes necessary for the continuous development and improvement of our products.

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