

THE COMPLETE PRODUCT LINE

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Think Big, We Do.

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   / BaykalMachinery

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Baykal

APHS HYBRID

Environmentally friendly. Smart. This is how we do it.

01

ACCURATE

Because each side of the APHS HYBRID press brake is independently operated by its own hydraulic system, it is an on-demand direct drive system. It is rapid, accurate and repeatable.

02

AFFORDABLE

The hybrid brake technology allows a more efficient hydraulic system design.

03

FLEXIBLE

Large range of lengths and tonnages are available.



04

EFFICIENCY

Up to 55% energy saving

05

QUIET

When it's on standby mode (all axis are idle), the hydraulics are not running.

06

SAFE

Hybrid machines incorporate a great deal of safety into their designs including lasers and other features to improve operator's safety.

		APHS HYBRID								
APHS HYBRID SERIES		31120	31160	31200	31240	31300	41160	41200	41240	41300
Bending Length	mm	3100	3100	3100	3100	3100	4100	4100	4100	4100
Bending Force	Tons	120	160	200	240	300	160	200	240	300
Oil Capacity	lit	2x34.5	2x55	2x55	2x55	2x55	2x55	2x55	2x55	2x55
Daylight Opening	mm	530	530	530	530	660	530	530	530	635
Stroke	mm	260	260	260	260	260	260	260	260	320
Throat Gap	mm	410	410	410	410	500	410	410	410	500
Approach	mm/s	200	200	200	160/200*	140/200*	200	200	160/200*	140/200*
Working	mm/s	10	10	10	8/10*	7/10*	10	10	8/10*	7/10*
Return	mm/s	200	200	200	160/200*	140/200*	200	200	160/200*	140/200*
X Axis Range	mm	750	750	750	750	750	750	750	750	750
X Axis Speed	mm/s	350	350	350	350	350	350	350	350	350
X Axis Precision		0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
R Axis Range	mm	150	150	150	150	150	150	150	150	150
R Axis Speed	mm/s	200	200	200	200	200	200	200	200	200
* Higher speeds are available with H+Package										

• Design and specifications are subject to change without notice

APHS PRO

The robust and reliable solution for high-quality bending results in all sheet thicknesses

01

ACCURATE

It's rapid, accurate, and repeatable thanks to the design and hydraulic system.

02

AFFORDABLE

APHS PRO series combined with high quality and are well-priced.

03

FLEXIBLE

Wide range of lengths and tonnages are available.



04

EFFICIENT

APHS PRO series hydraulic press brakes have great efficiency and productivity.

05

QUICK INSTALLATION

Fast and easy installation allows time-saving.

06

SAFE

High safety for operators
Suitable for CE Standards

APHS PRO SERIES		125040	21060	26090	31090	31120	31160	31200	31240	31300	31440	41160	41200	41240	41300	41440	61240	61300	61380	61440	61600	
Capacity	kN	400	600	900	900	1200	1600	2000	2400	3000	4400	1600	2000	2400	3000	4400	2400	3000	3800	4400	6000	
Oil Tank Volume		80	140	140	140	140	210	210	210	280	450	210	210	210	280	450	300	300	450	450	500	
Speeds (mm/s)	Approach	160	150	150	160	160	160	150	130	110	80	170	160	150	120	80	140	120	90	90	80	
	Working	10	10	10	10	10	10	10	10	8	8	10	10	10	8	8	10	8	8	8	7	
	Return	130	130	130	130	130	130	130	120	100	70	120	110	100	90	70	100	70	70	70	70	
Approx. Weight	Ton	3.3	5.4	7.1	7.9	8.4	9.7	10	11	15	22	12	12.5	14	18.5	26	25	30	35	39	55	
Bending Length	A	1250	2100	2600	3100	3100	3100	3100	3100	3100	3100	4100	4100	4100	4100	4100	6100	6100	6100	6100	6100	
Inside Frames	B	1070	1600	2050	2550	2550	2550	2550	2550	2550	2550	3550	3550	3550	3550	3550	5100	5100	5100	5100	5100	
Side Frame Width	C	1470	1580	1580	1590	1590	1600	1600	1610	1815	2060	1600	1600	1610	1820	2235	1960	2060	2210	2250	2400	
Bed Height	G	800	880	880	880	880	880	880	880	905	1005	880	880	880	980	955	1100	1115	1100	1100	1050	
Daylight Opening	K	455	475	540	530	540	540	530	530	660	575	530	530	530	635	590	500	560	570	570	620	
Stroke	L	215	210	260	260	260	260	260	260	320	320	260	260	260	320	320	260	320	320	320	320	360
Table Width	M	60	60	60	60	60	60	90	90	380	450	60	90	90	280	380	90	200	240	280	380	
Throat Gap	N	410	410	410	410	410	410	410	410	500	500	410	410	410	500	500	500	500	500	500	500	

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APHS

Powerful bending technology at an attractive price level

01

COMPACT

Up to 4100 mm, and 300 tons.

02

FLEXIBLE

Flexible and customizable optional features in order to meet your most demanding in flexibility.

03

EFFICIENT AND ECONOMICAL

Best BAYKAL quality with simple operation and an attractive price-performance ratio.



04

PRODUCTIVITY

Minimizes production cost with high speed, quality and superior bending ability.

05

ROBUST DESIGN

Monoblock welded body structure with static and dynamic rigidity.

06

USER-FRIENDLY AND ERGONOMIC

Operation is easy and intuitive.

		APHS													
APHS SERIES		125040	21060	26090	31090	31120	31160	31200	31240	31300	31440	41160	41200	41240	41300
Capacity	kN	400	600	900	900	1200	1600	2000	2400	3000	4400	1600	2000	2400	3000
Motor Output		4	5.5	7.5	7.5	11	15	19	22	22	30	15	18.5	22	22
Oil Tank Volume		80	140	140	140	140	210	210	210	280	450	210	210	210	280
Speeds (mm/s)	Approach	160	150	150	160	160	160	150	130	110	80	170	160	150	120
	Working	10	10	10	10	10	10	10	10	8	8	10	10	10	8
	Return	130	130	130	130	130	130	130	120	100	70	120	110	100	90
Approx. Weight	Ton	3.3	5.4	7.1	7.9	8.4	9.7	10	11	15	22	12	12.5	14	18.5
Bending Length	A	1250	2100	2600	3100	3100	3100	3100	3100	3100	3100	4100	4100	4100	4100
Inside Frames	B	1070	1600	2050	2550	2550	2550	2550	2550	2550	2550	3550	3550	3550	3550
Side Frame Width	C	1470	1580	1580	1590	1590	1600	1600	1610	1815	2060	1600	1600	1610	1820
Bed Height	G	800	880	880	880	880	880	880	880	905	1005	880	880	880	980
Daylight Opening	K	455	475	540	530	540	540	530	530	660	575	530	530	530	635
Stroke	L	215	210	260	260	260	260	260	260	320	320	260	260	260	320
Table Width	M	60	60	60	60	60	60	90	90	380	450	60	90	90	280
Throat Gap	N	410	410	410	410	410	410	410	410	500	500	410	410	410	500

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APHE

Compact design, efficient and economical

01

SIMPLE OPERATION

APHE is mostly suitable for simple bending processes.

02

OPERATOR-FRIENDLY CONTROL UNIT

Universal and easy to operate control unit options lead better bending experience for your operators.

03

UNIVERSAL BENDING

APHE can be equipped with universal top and bottom toolings.



04

COST EFFECTIVE

APHE has well priced standard and optional features.

05

COMPACT DESIGN

APHE is available up to 4-meter length and various tonnage options.

06

EASY TO TRANSPORT

Shipping sizes of APHE lead easy transportation and small place on your company layout.

APHE											
APHE SERIES	Bending Length	Bending Force	Main Motor	Oil Capacity	Inside Frames	Daylight Opening	Stroke	Throat Gap	Approach	Working	Return
	mm	Tons	kW	lt	mm	mm	mm	mm	mm/s	mm/s	mm/s
31120	3100	120	11	140	2550	375	180	255	160	10	130
31160	3100	160	15	210	2550	375	180	255	160	10	130
31200	3100	200	18.5	210	2550	445	210	255	150	10	130
41200	4100	200	18.5	210	3050	445	210	255	150	10	130

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