



Electromagnetic drilling machines

POWERBOR®

Power, Precision and Productivity

Industrial Application Examples:

- **General engineering**
- **Bridge and highway maintenance**
- **Truck and trailer manufacturing**
- **Construction**
- **Mining**
- **Shipbuilding and railroad**
- **Refineries, offshore rigs and pipelines**
- **Lift and elevator repair**
- **Welding**
- **General metal fabrication**

The POWERBOR® range of electromagnetic drilling machines, annular hole cutters, step drills and accessories offers the engineer a totally flexible choice of equipment for quick, efficient and accurate metal cutting either on site or in the workshop.

Hole cutting capacities range from 8mm to 100mm and many features on these quality manufactured machines are included as standard.

ELECTROMAGNETIC DRILLING SYSTEMS



PB32

HEIGHT	WIDTH	DEPTH	TRAVEL	WEIGHT
300mm (11.7/8")	90mm (3.1/2")	240mm (9.1/2")	165mm (6.1/2")	12.5kgs

TOTAL POWER:	770 watt
MOTOR:	720 watt
MAGNETIC ADHESION:	1000kgs
VOLTAGE:	220/240v or 110v (A.C. Supply)
SPEED:	550 rpm (no load)
CUTTER CAPACITY:	12mm to 32mm
DRILLING CAPACITY:	18mm

MODEL NO	VOLTAGE
PB 32	240/110 VOLTS

The POWERBOR® PB32 has been ergonomically designed to provide an electromagnetic drilling machine that is totally user friendly.

- Fitted with the reliable and proven HITACHI D13 power unit
- Free 13mm drill chuck*
- A complete coolant system is available
- All Powerbor® standard features are backed by a full range of replacement spares

12 months comprehensive warranty as standard

* To fit drill chuck (13mm with 1/2" x 20) remove arbor (RH thread) and arbor support bracket.



PB32 COMBI

HEIGHT	WIDTH	DEPTH	TRAVEL	WEIGHT
300mm (11.7/8")	90mm (3.1/2")	240mm (9.1/2")	165mm (6.1/2")	12.5kgs

TOTAL POWER:	770 watt
MOTOR:	720 watt
MAGNETIC ADHESION:	1000kgs
VOLTAGE:	220/240v or 110v (A.C. Supply)
SPEED:	25-550 rpm variable (no load)
CUTTER CAPACITY:	12mm to 32mm
DRILLING CAPACITY:	18mm
TAPPING CAPACITY:	12mm

MODEL NO	VOLTAGE
PB 32 COMBI	240/110 VOLTS

The PB32 Combi has the same excellent power to weight ratio as the PB32. In addition it has forward, reverse and variable speed as standard providing a choice of tapping, cutting and drilling capability.

- Forward and reverse facility
- Fitted with the reliable and proven HITACHI D13 power unit
- Free 13mm drill chuck*
- A complete coolant system is available
- All Powerbor® standard features are backed by a full range of replacement spares

12 months comprehensive warranty as standard

* To fit drill chuck (13mm with 1/2" x 20) remove arbor (RH thread) and arbor support bracket.

THE POWERBOR® STANDARD - INCLUDED WITH ALL MACHINES

- Dual carrying handles for enhanced operating manoeuvrability
 - Reversible handles for use in restrictive conditions
 - Improved high density magnet for maximum adhesion
 - Corrosive resistant, tangle-free cable from stand to drill unit
- Isolating power relay for improved handling safety
- Control panel situated conveniently on the same side as the traverse handles
 - Free protective carrying case complete with safety strap, cutting fluid, safety guard and folding hex key set



PB45

HEIGHT	WIDTH	DEPTH	TRAVEL	WEIGHT
370mm (14.1/2")	115mm (4.1/2")	280mm (11")	200mm (8")	20kgs
TOTAL POWER:		1200 watt		
MOTOR:		1150 watt		
MAGNETIC ADHESION:		1500kgs		
VOLTAGE:		220/240v or 110v (A.C. Supply)		
SPEED:		250 rpm / 450 rpm (load speed)		
CUTTER CAPACITY:		12mm to 45mm		
DRILLING CAPACITY:		23mm		
ARBOR:		M.T.2		
MODEL NO		VOLTAGE		
PB 45		240/110 VOLTS		

The cutting capacity to weight ratio of the POWERBOR® PB45 complements the PB32 but adds more cutting power.

The relatively light overall weight of the PB45 disguises the cutting and drilling power normally associated with much heavier machines.

- Fitted with the tried and tested EIBENSTOCK 2 speed motor unit
- Available options include forward and reverse capability and a complete coolant system
- All Powerbor® standard features are backed by a full range of replacement spares

12 months comprehensive warranty as standard

THE POWERBOR® STANDARD - INCLUDED WITH ALL MACHINES

- Dual carrying handles for enhanced operating manoeuvrability
 - Reversible handles for use in restrictive conditions
 - Improved high density magnet for maximum adhesion
- Corrosive resistant, tangle-free cable from stand to drill unit
- Isolating power relay for improved handling safety
- Control panel situated conveniently on the same side as the traverse handles
 - Free protective carrying case complete with safety strap, cutting fluid, safety guard and folding hex key set



PB70

HEIGHT	WIDTH	DEPTH	TRAVEL	WEIGHT
445mm (17.1/2")	110mm (4.1/4")	330mm (13")	200mm (8")	22kgs

TOTAL POWER:	1850 watt
MOTOR:	1800 watt
MAGNETIC ADHESION:	1500kgs
VOLTAGE:	220/240v or 110v (A.C. Supply)
SPEED:	60/140 rpm 200/470 rpm (load speed)
CUTTER CAPACITY:	12mm to 70mm
DRILLING CAPACITY:	32mm
TAPPING CAPACITY:	24mm
ARBOR:	M.T.3

MODEL NO	VOLTAGE
PB 70	240/110 VOLTS

The POWERBOR® PB70 has been carefully designed to guarantee enhanced power and versatility.

A proven, powerful performer and still portable enough to be used on-site or in the workshop, the PB70 provides the perfect solution to even the most difficult of drilling applications.

It incorporates a reversible variable speed motor as standard, allowing it to be readily used for tapping applications.

- *Infinitely variable speed • Forward and reverse facility*
- *Fitted with a tried and tested EIBENSTOCK motor unit*
- *Constant torque • Electro-torque control • Soft start motor*
- *Thermal overload protection • Mechanical clutch*
- *Available option includes a complete coolant system*
- *All Powerbor® standard features are backed by a full range of replacement spares*

12 months comprehensive warranty as standard



PB70/2

HEIGHT	WIDTH	DEPTH	TRAVEL	WEIGHT
445mm (17.1/2")	110mm (4.1/4")	330mm (13")	200mm (8")	22kgs

TOTAL POWER:	1750 watt
MOTOR:	1700 watt
MAGNETIC ADHESION:	1500kgs
VOLTAGE:	220/240v or 110v (A.C. Supply)
SPEED:	120/410 rpm (load speed)
CUTTER CAPACITY:	12mm to 70mm
DRILLING CAPACITY:	32mm
ARBOR:	M.T.3

MODEL NO	VOLTAGE
PB 70/2	240/110 VOLTS

The POWERBOR® PB70/2 is a workhorse that brings all the drilling capacity of the PB70 to applications that do not require the full range of professional variations.

- *Proven EIBENSTOCK 1700 watt motor*
- *All Powerbor® standard features are backed by a full range of replacement spares*

12 months comprehensive warranty as standard

THE POWERBOR® STANDARD - INCLUDED WITH ALL MACHINES

- Dual carrying handles for enhanced operating manoeuvrability
 - Reversible handles for use in restrictive conditions
 - Improved high density magnet for maximum adhesion
- Corrosive resistant, tangle-free cable from stand to drill unit
- Isolating power relay for improved handling safety
- Control panel situated conveniently on the same side as the traverse handles
 - Free protective carrying case complete with safety strap, cutting fluid, safety guard and folding hex key set

ELECTROMAGNETIC DRILLING SYSTEMS



PB100

HEIGHT	WIDTH	DEPTH	TRAVEL	WEIGHT
480mm (18.7/8")	110mm (4.1/4")	320mm (12.1/2")	280mm (11")	25kgs

TOTAL POWER:	1100 watt
MOTOR:	1050 watt
MAGNETIC ADHESION:	2000kgs
VOLTAGE:	220/240v or 110v (A.C. Supply)
SPEED:	220, 260, 350, 420 rpm (no load)
CUTTER CAPACITY:	12mm to 100mm
DRILLING CAPACITY:	32mm
ARBOR:	M.T.3

MODEL NO	VOLTAGE
PB 100	240/110 VOLTS
PB 100 SB	Swivel Base 240/110 VOLTS

The PB100's base and body design achieves greatly enhanced rigidity and cutting capacity whilst its arbor design allows rapid cutter to twist drill change.

The swivel base option is a customer-led development providing convenience and practicality and allowing precise positioning of the cutter, whilst the weight is taken by the powerful magnet.

The swivel option allows for movement of the machine's body through 260° and a lateral movement of 22mm.

- Unique cutting capacity of 100mm plus
- Fitted with ATLAS COPCO B4/32 power unit
- Available options include forward and reverse capability and a complete coolant system
- All Powerbor® standard features are backed by a full range of replacement spares

12 months comprehensive warranty as standard



PB100E

HEIGHT	WIDTH	DEPTH	TRAVEL	WEIGHT
480mm (18.7/8")	110mm (4.1/4")	320mm (12.1/2")	280mm (11")	25kgs

TOTAL POWER:	1750 watt
MOTOR:	1700 watt
MAGNETIC ADHESION:	2000kgs
VOLTAGE:	220/240v or 110v (A.C. Supply)
SPEED:	110, 175, 245, 385 rpm (load speed)
CUTTER CAPACITY:	12mm to 100mm
DRILLING CAPACITY:	32mm
ARBOR:	M.T.3

MODEL NO	VOLTAGE
PB 100E	240/110 VOLTS
PB 100E SB	Swivel Base 240/110 VOLTS

The POWERBOR® PB100E is a more powerful machine with total power of 1750W. The low spindle speed of 110rpm can be very useful on large cutter / difficult applications.

- Unique cutting capacity of 100mm plus
- Fitted with proven EIBENSTOCK 1700 watt motor unit
- Available options include forward and reverse capability and a complete coolant system
- All Powerbor® standard features are backed by a full range of replacement spares

12 months comprehensive warranty as standard

THE POWERBOR® STANDARD - INCLUDED WITH ALL MACHINES

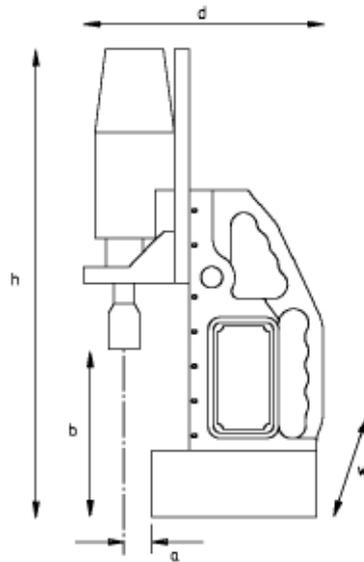
- Dual carrying handles for enhanced operating manoeuvrability
 - Reversible handles for use in restrictive conditions
 - Improved high density magnet for maximum adhesion
 - Corrosive resistant, tangle-free cable from stand to drill unit
- Isolating power relay for improved handling safety
- Control panel situated conveniently on the same side as the traverse handles
 - Free protective carrying case complete with safety strap, cutting fluid, safety guard and folding hex key set

MACHINE SPECIFICATIONS

CUTTER RANGE	
POWERBOR CUTTER Ø	POWERBOR MACHINE
12	
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22	PB32
23	PB32 COMBI
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29	PB45
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TWIST DRILL RANGE	
TWIST DRILL Ø	POWERBOR MACHINE
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SPINDLE RPM	AVAILABLE SPINDLE SPEEDS						
	PB32	PB32 COMBI	PB45	PB70	PB70/2	PB100 PB100 SB	PB100E PB100E SB
50							
60							
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MACHINE DIMENSIONS (mm)								
MACHINE	HEIGHT (h)	WIDTH (w)	DEPTH (d)	TRAVEL	WEIGHT (kg)	MAGNET TO SPINDLE CL (a)	HEIGHT UNDER ARBOR (b)	MAGNET AREA
PB32	300	90	240	165	12.5	46	160	160 x 85
PB32 COMBI	300	90	240	165	12.5	46	160	160 x 85
PB45	370	115	280	200	20	36	140	200 x 100
PB70	445	110	330	200	22	48	175	200 x 100
PB70/2	445	110	330	200	22	48	175	200 x 100
PB100	480	110	320	280	25	60	210	220 x 110
PB100 SB	480	110	320	280	25	60	210	220 x 110
PB100E	480	110	320	280	25	75	210	220 x 110
PB100E SB	480	110	320	280	25	75	210	220 x 110

The hole making capacity on some of the machines can be extended using a Powerbor Step Drill.

Height under spindle for PB32 and PB32 Combi is 190mm with drill chuck fitted and 160mm with Powerbor arbor fitted.