



AIRBOR™ AB-4300

Motor and magnet are powered completely by compressed air

Pneumatic power for hazardous environments

ATEX Classified

Safe • Reliable

- Inherently safer than electromagnetic drills in hazardous atmospheres and wet environments where electricity requires "hot work permits"
- ATEX classified
- Industry's first completely air-operated magnetic drill – NO ELECTRICITY!
- Fail-safe permanent magnet is activated "on" and "off" by air pressure; in the event of a loss of air flow, the magnet *will not* disengage
- 1600 lbs. magnet holding strength

Drill up to 2-1/16" dia.

- Uses annular cutters
- Twist drilling up to 5/8"
- Powerful 1.6 HP drill motor
- Long drill stroke – up to 10 1/4"
- Pressurized coolant system lubricates cutter and reduces risk of sparking



Model AB-4300-2



With a geared chuck adapter (Part No. IBC 18) and extra rack (Model No. AB-4300-2R), AIRBOR™ easily converts to a standard drill press with a 7 1/2" stroke.



Pressurized lubrication system (Part No. 9 4002 0020)



AB-4300-2R shown with extra rack up (left) and extra rack down (right).

Cutter Capacity



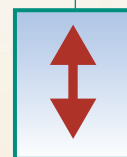
ø 2 1/16"

Twist Drill / Countersink



1/2"

Stroke (length)



Up to 10 1/4"

Speed Range (RPM)



400

Model AB-4300-2 / AB-4300-2R Specifications

Motor Power (Pneumatic)	1.6 HP
Air Consumption @ 90 PSI	64 CFM (1/2" NPT Air Connection)
Hole Capacity	2 1/16" dia.
No Load Speed	400 RPM
Magnet Base Size	8 3/4" W x 3 1/2" L
Dimensions	13 1/2" H x 12 1/2" L x 4 3/4" W
Magnetic Force (1" plate)	1600 lbs.
Arbor Bore	3/4" Weldon Shank
Automatic Lubrication	Included
Stroke Length 4 7/8"	Order Model AB-4300-2
Stroke Length 10 1/4"	Order Model AB-4300-2R

Model Comparison

AB-4300-2R		AB-4300-2	
<i>Drill Stroke</i>			
w/cutters	w/chuck	w/cutters	w/chuck
10 1/4"	7 1/2"	4 7/8"	1 3/4"
<i>Height</i>			
closed	open	closed	open
13 1/2"	22"	13 1/2"	17 1/2"
<i>Weight</i>			
lbs.	kg	lbs.	kg
43	20	38	18

Item # AB-4300-2, AIRBOR®#153 Pneumatic Magnetic Drill for Hazardous environment - 2-1/16" Dia. Capacity, 4-7/8" Stroke

List Price QUOTE

AIRBOR®#153 Pneumatic Magnetic Drill for Hazardous environment - 2-1/16" Dia. Capacity, 4-7/8" Stroke



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- ATEX classified
- Fail-safe permanent magnet is activated "on" and "off" by air pressure; in the event of a loss of air flow, the magnet will not disengage
- Magnet has a holding strength of 1600 lbs.
- Lightweight and portable
- Drills up to 2-1/16 inch dia. holes with Annular Cutters
- Twist drilling up to 5/8"
- Powerful 1.6 HP drill motor
- Long drill stroke – up to 4-7/8"
- Pressurized coolant system lubricates cutter and reduces risk of sparking

SPECIFICATIONS

Motor Power	1.6 HP (Pneumatic)
Weight [lbs]	38
Hole Capacity (Dia.) [inch]	2-1/16
Hole Capacity Stroke [inch]	4-7/8 with cutters
Load Speed [rpm]	400
Magnet Base Size (L x W) [inch]	8-3/4 x 3-1/2
Dim. H [inch]	Closed - 13-1/2, Open - 17-1/2
Dim. L [inch]	12-1/2
Dim. W [inch]	4-3/4
Magnetic Force (1 inch Plate) [lbs]	1600
Arbor Bore [inch]	3/4

Lubrication	Automatic, Included
Twist Drill Capacity (Dia.) [inch]	1/2
Weight [kg]	18
Air Consumption at 90 psi [cfm]	64
Drill Stroke Length with Cutters [inch]	4-7/8
Drill Stroke Length with Chucks [inch]	1-3/4

Item # AB-4300-2R, AIRBOR®#153 Pneumatic Magnetic Drill for Hazardous environment - 2-1/16" Dia. Capacity, 10-1/4" Stroke

List Price QUOTE



AIRBOR®#153 Pneumatic Magnetic Drill for Hazardous environment - 2-1/16" Dia. Capacity, 10-1/4" Stroke

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"hot work permits"

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- Fail-safe permanent magnet is activated "on" and "off" by air pressure; in the event of a loss of air flow, the magnet will not disengage
- Magnet has a holding strength of 1600 lbs.
- Lightweight and portable
- Drills up to 2-1/16" dia. holes with Annular Cutters
- Twist drilling up to 5/8"
- Powerful 1.6 HP drill motor
- Long drill stroke – up to 10-1/4"
- Pressurized coolant system lubricates cutter and reduces risk of sparking

SPECIFICATIONS

Motor Power	1.6 HP (Pneumatic)
Weight [lbs]	43
Hole Capacity (Dia.) [inch]	2-1/16
Hole Capacity Stroke [inch]	10-1/4" with cutters
Load Speed [rpm]	400
Magnet Base Size (L x W) [inch]	8-3/4 x 3-1/2
Dim. H [inch]	Closed - 13-1/2, Open - 22
Dim. L [inch]	12-1/2
Dim. W [inch]	4-3/4
Magnetic Force (1 inch Plate) [lbs]	1600
Arbor Bore [inch]	3/4 Weldon Shank

Lubrication	Automatic, Included
Twist Drill Capacity (Dia.) [inch]	1/2"
Twist Drill Capacity Stroke	7-1/2 with chuck Inch
Weight [kg]	20
Air Consumption at 90 psi [cfm]	64
Drill Stroke Length with Cutters [inch]	10-1/4
Drill Stroke Length with Chucks [inch]	7-1/2