

AXMINSTER

PROfessional

AP25FDMS Variable Speed Floor Pillar Drill 230V



CE
UK
CA



The packaging is suitable for recycling.
Please dispose of it in a responsible manner.



EU Countries Only
Do not dispose of electric tools together with
household waste material. By law they must be
collected and recycled separately.



Fully read manual and safety
instructions before use.
Save this manual for future
reference.



Eye protection
should be worn



Ear protection
should be worn



Dust mask
should be worn



Hazard

The symbols above advise the correct safety procedures when using this machine.

Original Instructions

Code	113333
Version	1
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General safety instructions for Power Tools

1.KNOW YOUR POWER TOOL

Read and understand the owner's manual and labels affixed to the tool. Learn its application and limitations as well as the specific potential hazards peculiar to this tool.

2.GROUND ALL TOOLS

This tool is equipped with an approved 3 conductor and a 3 prong grounding type plug to fit the proper grounding type receptacle.

3.KEEP GUARDS IN PLACE

In working order and in proper adjustment and alignment.

4.WEAR PROPER APPAREL

Do not wear loose clothing, gloves, neckties, or jewelry (rings, wrist, watches) to get caught in moving parts. Wear protective hair covering to contain long hair. Roll long sleeves above the elbow.

5.USE SAFETY GOGGLES

6.KEEP WORK AREA CLEAN

Cluttered areas and benches invite accidents. Floor must not be slippery due to wax or sawdust.

7.KEEP CHILDREN AWAY

Main Specification

Drill Capacity	25 mm
Chuck Capacity	16 mm
Swing	430 mm
Spindle Taper	MT2/MT3
Spindle Travel	150 mm
Column Diameter	80 mm
Motor	1100W/1500W
Rack & Pinion	Yes
Base Size	580*420 mm
Table Size	356*356 mm
Overall Height	1720mm/1820mm
Range of spindle speeds 50Hz (2 pulleys)	440-2100 rpm
Range of spindle speeds 60Hz (2 pulleys)	520-2500 rpm
Range of spindle speeds 50Hz (3 pulleys)	180-600rpm /580-2000rpm
Range of spindle speeds 60Hz (3 pulleys)	200-720rpm /700-2200rpm

Packing dimensions (L*M*H)	1530*700*280mm
Net Weight	95kgs

Unpacking and checking contents

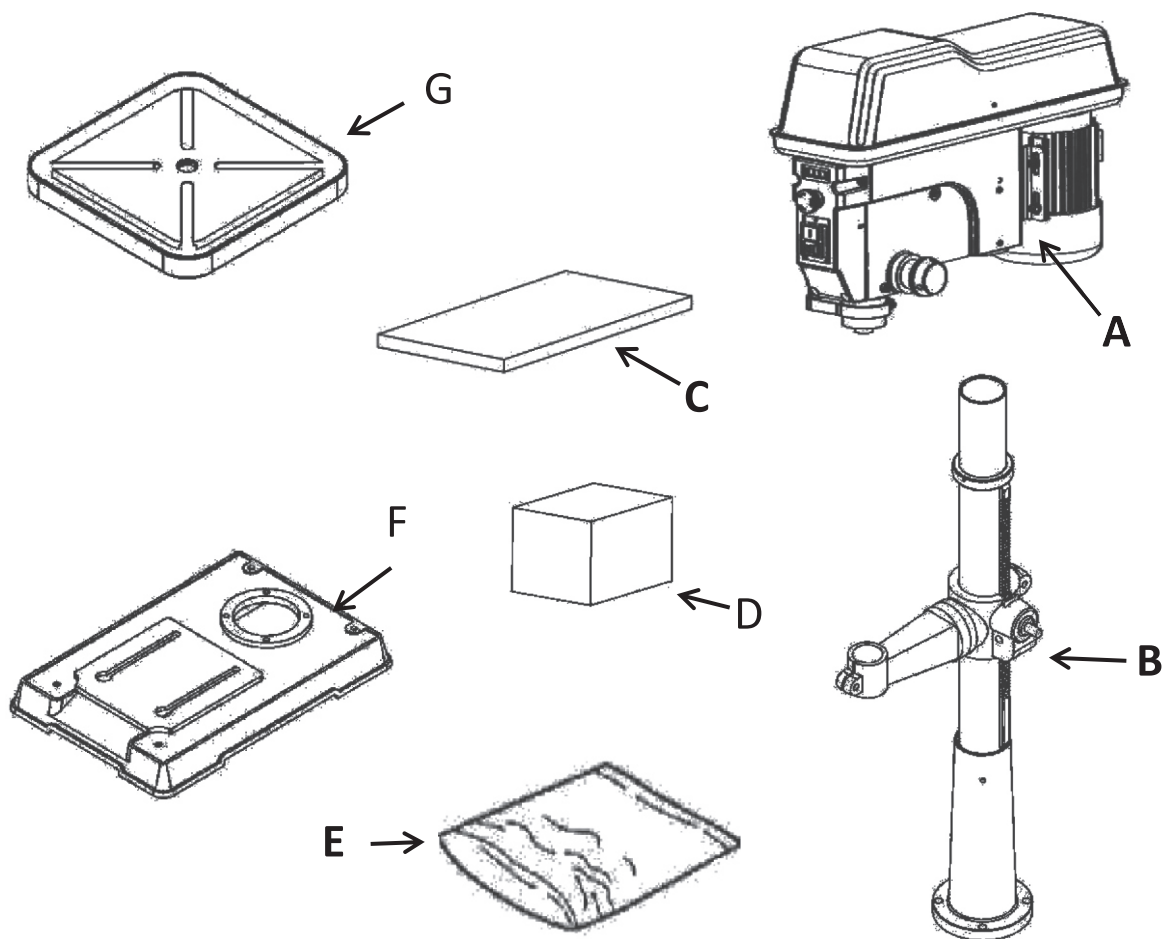
1.Unpacking and checking contents

Separate all the parts from packaging materials and check each item make sure all items are accounted for before discarding any packing material.

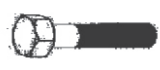
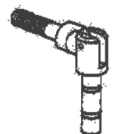
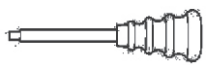
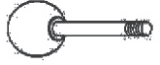
Item	Description	Qty
A	Head Asm.....	1
B	Column Support Asm.....	1
C	Owner's Manual.....	1
D	Box of Loose Parts.....	1
E	Bag of Loose Parts.....	*
F	Base.....	1
G	Table/Support Arm.....	1

2.Remove the protective oil that is applied to the table and column.Use any ordinary household type grease and spot remover

3.Apply a coat of paste wax to the table and column to prevent rust.Wipe all parts thoroughly with clean dry cloth.



List of Loose Parts in the box and bags

	M12X40 HEX HEAD SCREW(4)		LOCKING HANDLE(2)
	S3 HEX "L" WRENCH (1)		DRIVE HANDLE (3)
	S4 HEX "L" WRENCH (1)		CHUCK (1)
	S5 HEX "L" WRENCH (1)		KEY-CHUCK (1)
	SPEED HANDLE (1)		Key-drift (1)
	ABOR (1)		CRANK (1)

Lubrication

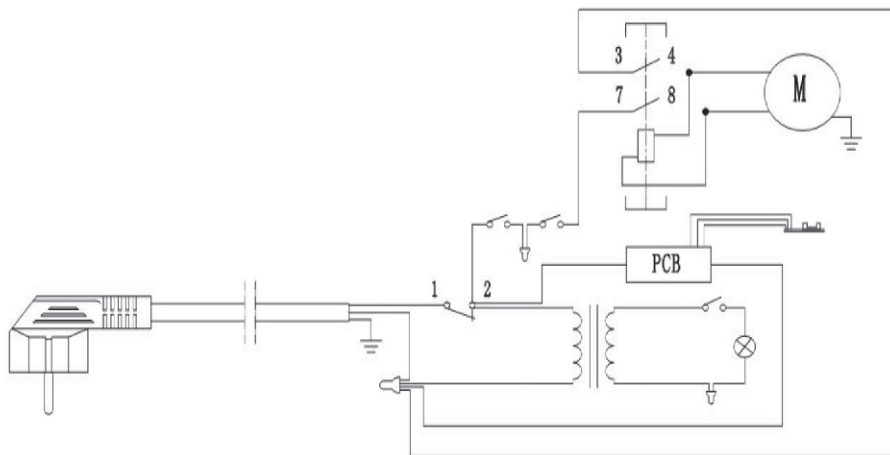
All of the BALL BEARING are packed with grease at the factory.They require no further lubrication. Periodically lubricate the table elevation mechanism,the SPLINES (grooves) in the spindle,and the RACK (teeth of the quill),see "Getting to know your drill press."

Maintenance

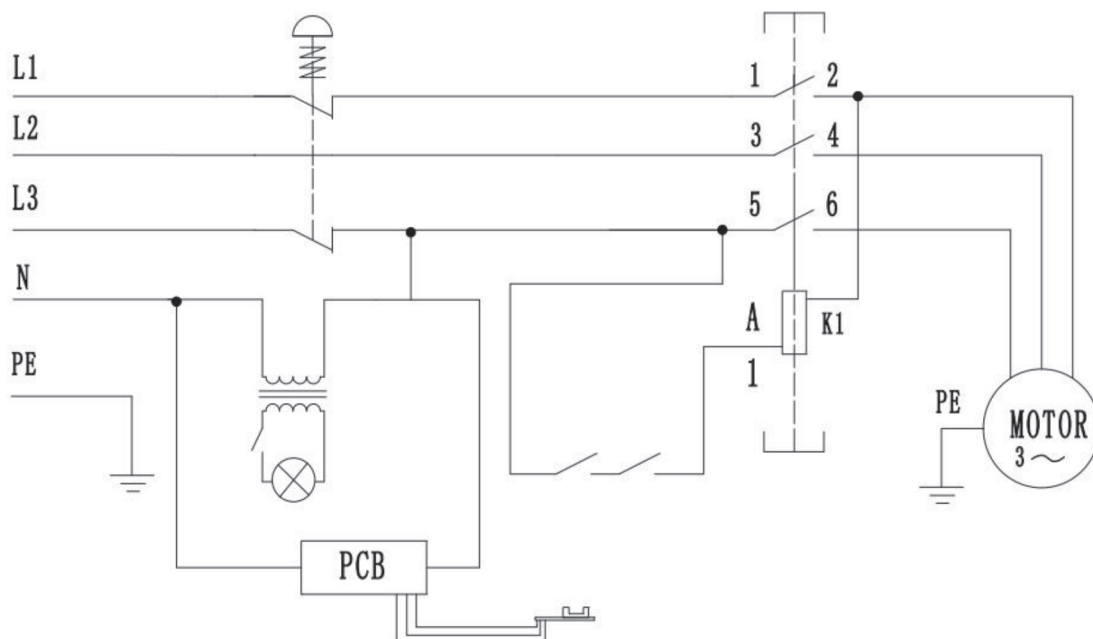
Frequently blow out any dust that may accumulate inside the motor.

A coat of automotive type paste was applied to the table and column will help to keep the surfaces clean.

Single phase wiring diagram



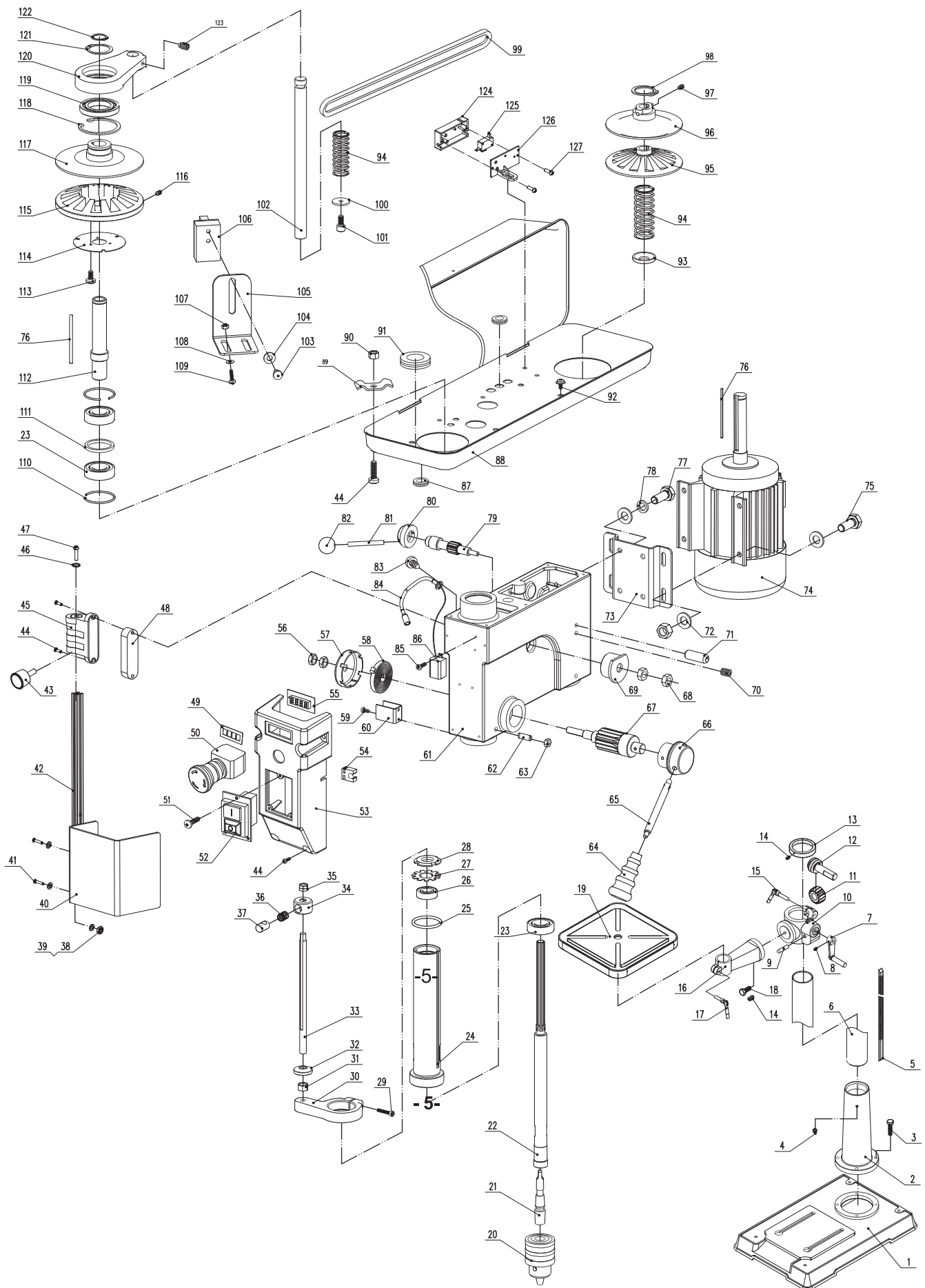
Three-phase wiring diagram



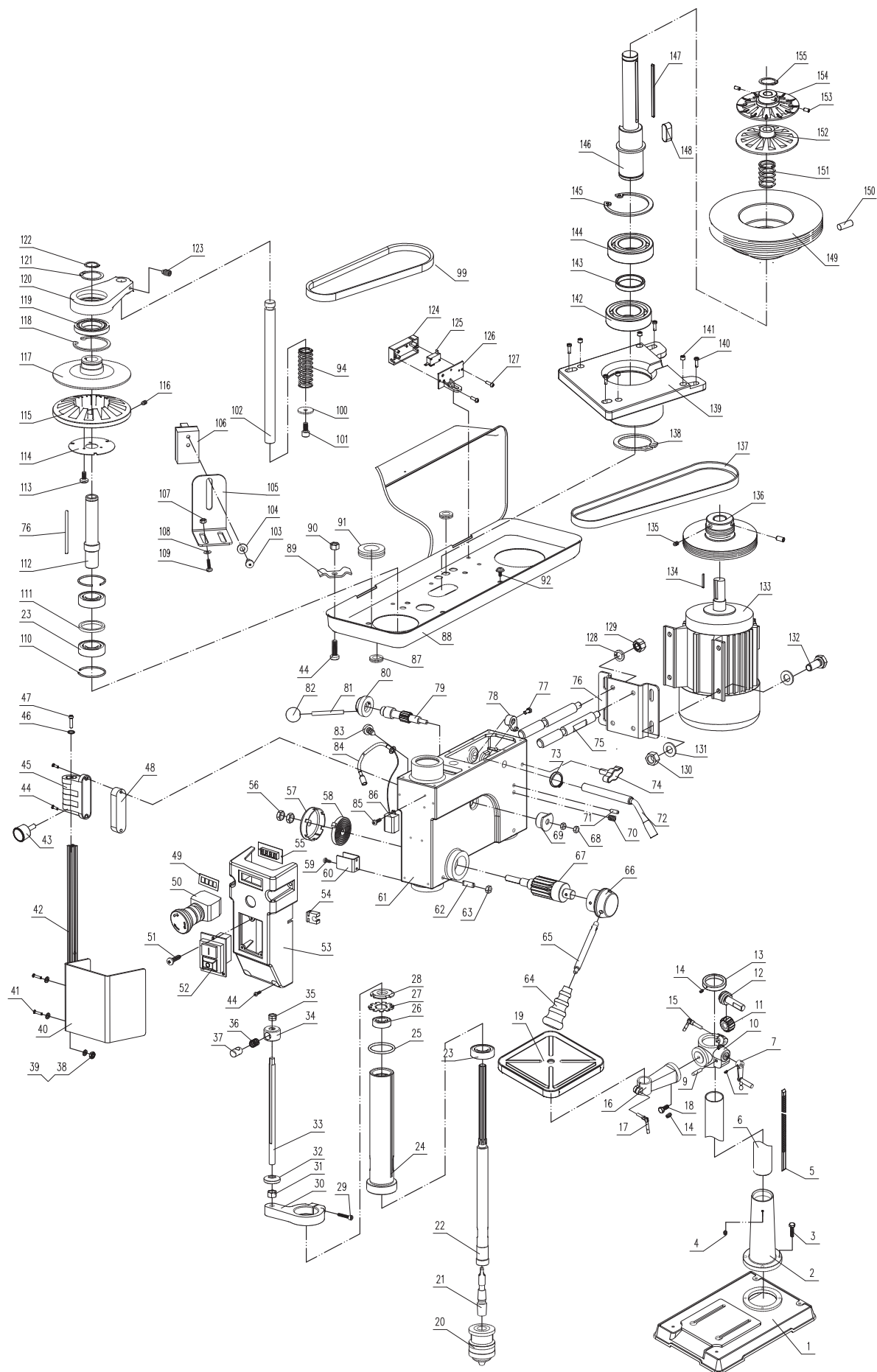
Trouble Shooting

TROUBLE	PROBABABLE CAUSE	REMEDY
Noisy Operation	1.Incorrect belt tension. 2.Dry Spindle. 3.Loose spindle pulley 4.Loose motor pulley	1.Adjust tension. 2.Lubricate spindle. 3.Checking tightness of retaining nut on " " " " " " 4.Tighten setscrews in pulleys.
Drill bit burns	1.Incorrect speed. 2.Chips not coming out of hole. 3.Dull drill bit 4.Feeding too slow 5.Not lubricated	1.Change speed. 2.Retract drill bit frequently to clear chips. 3.Resharpen drill bit. 4.Faster the speed. 5.Lubricate drill bit.
Drill bit leads off... hole not round	1.Hard grain in wood or lengths of cutting lips and/or angles not equal 2.Bent drill bit	1.Resharpen drill bit correctly. 2.Replace drill bit.
Wood splinters on underside	1.No "back up material" under workpiece.	1.Use "back-up material"
Workpiece turn loose from hand	1.Not supported or clamped properly.	1.Support working or clamp it.
Drill bit binds in workpiece	1.Workpiece pinching drill bit or excessive feed pressure. 2.Improper belt tension.	1.Support working or clamp it. 2.Adjust temsion.
Excessive drill bit runout or wobble	1.Bent drill bit 2.Worn spindle bearings. 3.Drill but not properly installed in chuck 4.chuck not properly installed.	1.Use a straight drill bit. 2.Replace bearings. 3.Install drill bit properly. 4.Install chuck properly.
Quill Returns too slow or too fast	1.Spring has improper tension.	1.Adjust spring tension.
Chuck will not stay atached to spindle if falls off when trying to install it.	1.Dirty,grease,or oil on the tapered inside surface of chuck or on the spindles tapered surface.	1.Using a household detergent clean the tapered surface of the chuck and spindle to remove all dirt,grease and oil.

Assembly



Exploded view with two pulleys



Exploded view with three pulleys

Declaration of Conformity



Nationality	
GB	The object of the declaration described is in conformity with the relevant GB/EU legislation.
DE	Der Gegenstand der beschriebenen Erklärung stimmt mit den einschlägigen GB/EU-Rechtsvorschriften überein.
FR	L'objet de la déclaration décrite est conforme à la législation GB/UE pertinente.
IT	L'oggetto della dichiarazione descritta è conforme alla legislazione GB/UE pertinente.
ES	El objeto de la declaración descrita está en conformidad con la legislación GB/UE pertinente.
NL	Het voorwerp van de beschreven verklaring is in overeenstemming met de relevante GB/EU-wetgeving.
DK	Genstanden for den beskrevne erklæring er i overensstemmelse med den relevante GB/EU-lovgivning.
SE	Föremålet för den beskrivna deklarationen överensstämmer med den relevanta GB/EU-lagstiftningen.
CZ	Předmět popsaneho prohlášení je v souladu s příslušnými právními předpisy GB/EU.
PL	Przedmiot opisanej deklaracji jest zgodny z odpowiednimi przepisami GB/UE.
POR	O objeto da declaração descrita está em conformidade com a legislação GB/UE relevante.
NOR	Gjenstanden for den beskrevne erklæringen er i samsvar med den relevante GB/EU-lovgivningen.
FI	Määritellyn ilmoituksen kohde on asiaankuuluvan Ison-Britannian/EU: n lainsäädännön mukainen.
IS	Hluturinn í lýsingunni er í samræmi við viðeigandi lög GB/ESB.

Object of the Declaration: Axminster Professional AP25FDMS Floor Drill 113333

UK:
Supply of Machinery (Safety) Regulations 2008 as amended
Electromagnetic Compatibility Regulations 2016 as amended
Directive 2011/65/EU (RoHS 2)
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

EU:
Machinery Directive 2006/42/EC
EMC Directive 2014/35/EU
Directive 2011/65/EU (RoHS 2)
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

UK Address:
Newhow Limited.
Trading as Axminster Tools
Weycroft Avenue
Axminster. Devon
EX13 5PH

Standards used or references to the other technical specifications in relation to which conformity is declared:

EN 12717:2001+A1:2009, EN 60204-1:2018+A1:2025

IEC 55014-1:2021, IEC 55014-2:2021, IEC 61000-3-2:2019+A1:2021, 61000-3-3:2013+A1:2019+A2:2021

European Address:
Newhow Limited.
Trading as Axminster Tools
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Parkstraat 83
The Hague
2514 JG
Netherlands

Date: 7/4/2025
Place: Axminster

Charlie Cross
Operations Director