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Air Grinder

M2 Series

Product Information

- EN Product Information
- ES Especificaciones del producto
- FR Spécifications du produit
- IT Specifiche prodotto
- DE Technische Produktdaten
- NL Productspecificaties
- DA Produktspecifikationer
- SV Produktspecifikationer
- NO Produktspesifikasjoner
- FI Tuote-erittely
- PT Especificações do Produto
- EL Προδιαγραφές προϊόντος
- SL Specifikacije izdelka
- SK Špecifikácie produktu
- CS Specifikace výrobku
- ET Toote spetsifikatsioon
- HU A termék jellemzői
- LT Gaminio techniniai duomenys
- LV Ierices specifikacijas
- PL Informacje o Produkcie
- BG Информация за Продукта
- RO Informații privind produsul
- RU Технические характеристики изделия
- ZH 产品信息
- JA 製品仕様
- KO 제품 상세
- HR Podaci o proizvodu

Save These Instructions

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EN

Product Safety Information

Intended Use:
These Air Grinders are designed for material removal or cutting off using a rotated abrasive wheel, in accordance with the product specification table.

For additional information refer to Air Grinder Product Safety Information Manual Form 04584959.
Manuals can be downloaded from ingersollrandproducts.com

⚠ WARNING

Polymer Hazard

The motor vanes in this product contain PTFE (Polytetrafluoroethylene). Due to normal vane wear, PTFE dust might be present inside the product. Inhalation of this dust and/or inhalation of vapor released from the heating of PTFE dust may cause irritation to the respiratory system.

- Do not use compressed air to clean the parts of the product
- PTFE dust should never come in contact with heat or open flames
- Vapors from heated PTFE dust, if inhaled, can cause fluoride polymer fever
- Never smoke when servicing this product
- Wash your hands thoroughly after servicing the product

Additional Warnings for guarded Grinders

- Always replace a damaged, bent or severely worn wheel guard. Do not use a wheel guard that has been subjected to wheel failure. Guard spring must be replaced when replacing guard.
- Guard opening must face away from the operator. (See figure A, on page 2.)
- Guard must be seated in position before operating. (See figure B, on page 3.)
- Outer face of wheel must not project beyond bend of guard lip. (See figure C, on page 3.)

Product Specifications

Models	Free Speed	Controller	Arbor Size	Wheel Type	Wheel Diameter	Maximum Wheel Thickness
	rpm				in. (mm)	in. (mm)
M2A090RP95	9000	22k	M14 THD	T27	5 (127)	1/4 (6.4)
M2A120RP64	12000	20k	3/8"-24 THD	T27	4 (101.6)	1/4 (6.4)
M2A120RP95	12000	20k	M14 THD	T27	5 (127)	1/4 (6.4)
M2A120RP105	12000	20k	5/8"-11 THD	T27	5 (127)	1/4 (6.4)
M2A120RP945	12000	20k	M14 THD	T27	4.5 (114.3)	1/4 (6.4)
M2A120RP1045	12000	20k	5/8"-11 THD	T27	4.5 (114.3)	1/4 (6.4)
M2A135RP64	13500	22k	3/8"-24 THD	T27	4 (101.6)	1/4 (6.4)
M2E135RP64	13500	20k	3/8"-24 THD	T27	4 (101.6)	1/4 (6.4)
M2E145RP64	14500	22k	3/8"-24 THD	T27	4 (101.6)	1/4 (6.4)
M2E145RP64NN	14500	22k	3/8"-24 THD	T27	4 (101.6)	1/4 (6.4)
M2L100RP106	10000	25k	5/8"-11 THD	T27	6 (152.4)	1/4 (6.4)
M2L120RP1045	12000	20k	5/8"-11 THD	T27	4.5 (114.3)	1/4 (6.4)
M2L135RP64	13500	22k	3/8"-24 THD	T27	4 (101.6)	1/2 (12.7)
M2X180RH63	18000	18k	3/8"-24 THD	T1	3 (76.20)	1/2 (12.7)

Models	Guard Part Number	Sound Level dB(A) (ISO15744)		Vibration (m/s²) (ISO28927)	
		† Pressure (L_p)	‡ Power (L_w)	Level	*K
M2A090RP95	HG2-A106-5	87.7	98.7	4.6	1.6
M2A120RP64	HG2-A106-4	87	98	5.1	1.5
M2A120RP95	HG2-A106-5	87	98	5	0.9
M2A120RP105	HG2-A106-5	87	98	5	0.9
M2A120RP945	HG2-A106-45	87	98	5.1	1.5
M2A120RP1045	HG2-A106-45	87	98	5.1	1.5
M2A135RP64	HG2-A106-4	87.7	98.7	5	1.7
M2E135RP64	HG1-A106-4	87.7	98.7	8.8	2.8
M2E145RP64	HG1-A106-4	87.7	98.7	8.8	2.8
M2E145RP64NN	HG1-A106-4	87.7	98.7	8.8	2.8
M2L100RP106	HG2-A106-6	88.8	99.8	5.3	2.4
M2L120RP1045	HG2-A106-45	87	98	5.8	1.0
M2L135RP64	HG2-A106-4	87.7	98.7	4.4	1.9
M2X180RH63	LE2-931	85.3	96.3	2.3	0.8

† K_{pA} = 3dB measurement uncertainty *K = Vibration measurement uncertainty

‡ K_{wA} = 3dB measurement uncertainty

⚠ WARNING

Sound and vibration values were measured in compliance with internationally recognized test standards. The exposure to the user in a specific tool application may vary from these results. Therefore, on site measurements should be used to determine the hazard level in that specific application.

Installation and Lubrication

Size air supply line to ensure tool's maximum operating pressure (PMAX) at tool inlet. Drain condensate from valve(s) at low point(s) of piping, air filter and compressor tank daily. Install a properly sized Safety Air Fuse upstream of hose and use an anti-whip device across any hose coupling without internal shut-off, to prevent hose whipping if a hose fails or coupling disconnects. M2 Series vanes are made of a special material that does not require constant lubrication. However, we do suggest periodic lubrication for optimum service life. See drawing 47504315001 and table on page 2. **Lubrication volume listed for the angle head is approximate. For best results, remove the screw plug opposite the grease fitting, inject lubrication through the grease fitting until fresh grease is observed in the screw hole, then reinstall the screw plug.** Maintenance frequency is shown in table and defined as hours of actual use. Items identified as:

1. Air filter
2. Regulator
3. Emergency shut-off valve
4. Hose diameter
5. Thread size
6. Coupling
7. Safety Air Fuse
8. Grease

Parts and Maintenance

When the life of the tool has expired, it is recommended that the tool be disassembled, degreased and parts be separated by material so that they can be recycled.

Original instructions are in English. Other languages are a translation of the original instructions.

Tool repair and maintenance should only be carried out by an authorized Service Center.

Refer all communications to the nearest **Ingersoll Rand** Office or Distributor.