



**16574170**

Edition 4

May 2014

# Air Percussive Hammer

**Model 121,121-EU, 121/Q-EU & 121/QH-EU**

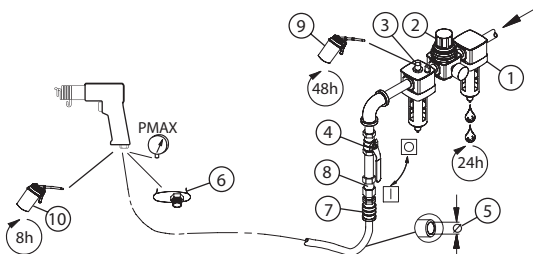
## Product Information

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



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**IR** *Ingersoll Rand®*



(Dwg.16576175)

①②③		⑤	⑥	⑨	⑩	
IR # - NPT	IR # - BS	inch (mm)	NPT	IR #	IR #	cm <sup>3</sup>
C38121-800	C381B1-800	3/8 (10)	1/4	10	10	3

## Product Safety Information

### Intended Use:

These Air Percussive Hammers are designed for hammering, punching, cutting, chipping and scraping material through repetitive application of linear impacts of a tool steel that is retained and driven by the Hammer.

**For additional information refer to Product Safety Information Manual Form 04581450.**

Manuals can be downloaded from [ingersollrandproducts.com](http://ingersollrandproducts.com).

### Prior to Use

#### WARNING

- **Do not lubricate tools with flammable or volatile liquids such as kerosene, diesel or jet fuel. Use only recommended lubricants.**
- **Use only proper cleaning solvents to clean parts. Use only cleaning solvents which meet current safety and health standards. Use cleaning solvents in a well ventilated area.**

Tools are coated inside and out with rust-resisting oil before leaving the factory. Before using the tool, remove this oil by dipping the tool in a suitable cleaning solution to wash the oil from the exterior. Pour about 6 cm<sup>3</sup> of a clean, suitable, cleaning solution into the air inlet and operate the tool for about 15 seconds. Dry the tool immediately after cleaning, pour 3 cm<sup>3</sup> of **Ingersoll Rand** No. 10 Oil into the air inlet and again operate the tool for 5 seconds to lubricate all working parts.

### Product Specifications

Models	Shank Size	Blows per Minute	Stroke Length	Sound Level dB (A) (ISO15744)		Vibration (m/s <sup>2</sup> ) (ISO28927)	
	Inch (mm)			† Pressure (L <sub>p</sub> )	‡ Power (L <sub>w</sub> )	Level	*K
121, 121-EU	0.401 (10.1)	3,000	2-9/32 (58)	95.3	106.3	19.9	4.6
121/Q-EU	0.401 (10.1)	3,000	2-9/32 (58)	95.3	106.3	19.9	4.6
121/QH-EU	0.401 (10.1)	3,000	2-9/32 (58)	95.3	106.3	19.9	4.6

† K<sub>DA</sub> = 3dB measurement uncertainty

‡ K<sub>WA</sub> = 3dB measurement uncertainty

\* K = Vibration 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.**

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## 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. See drawing 16576175 and table on page 2. Maintenance frequency is shown in a circular arrow and defined as h=hours, d=days, and m=months of actual use. Items identified as:

- |                             |   |
|-----------------------------|---|
| 1. Air filter               | 6. Thread size                            |
| 2. Regulator                | 7. Coupling                               |
| 3. Lubricator               | 8. Safety Air Fuse                        |
| 4. Emergency shut-off valve | 9. Oil                                    |
| 5. Hose diameter            | 10. Oil - before starting, into air inlet |

### **Note: Before storing the tool or leaving idle exceeding 24 hours:**

- Pour 3 cm<sup>3</sup> of IR # 10 oil into air inlet and run tool for 5 seconds.

### **Note: If the action of the tool becomes sluggish:**

- Pour 3 cm<sup>3</sup> of cleaning solution into air inlet and run tool for 30 seconds.
- Immediately after flushing the tool, pour 3 cm<sup>3</sup> of oil into air inlet and run tool for 30 seconds.

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## 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.