

## Product Safety Information

### Intended Use:

These Air Impact Wrenches are designed to remove and install threaded fasteners.

**For additional information refer to Product Safety Information Manual Form 04580916.**

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

## Power Management System

For models that include a power management system, the system allows operator reduction of maximum output power in the forward direction. The power management system does not affect the output power in the reverse direction.

To adjust the power, rotate the Power Regulator to the desired level indicator.

The power level indicators are for reference and DO NOT indicate a specific power. The power output can be further reduced in forward or reverse by using the variable throttle.

## Product Specifications

Models	Style	Drive		Impacts per min.	Recommended Torque Range	
		Type	Size		Forward ft-lb (Nm)	Reverse ft-lb (Nm)
280	Grip	Square	1"	750	150-1000 (200-1360)	150-1000 (200-1360)
280-EU	Grip	Square	1"	750	150-1000 (200-1360)	150-1000 (200-1360)
280-6	Grip	Square extended	1" x 6"	750	150-1000 (200-1360)	150-1000 (200-1360)
280-6-EU	Grip	Square extended	1" x 6"	750	150-1000 (200-1360)	150-1000 (200-1360)
280-S-6	Grip	Spline extended	No. 5 x 6"	750	150-1000 (200-1360)	150-1000 (200-1360)

Models	Sound Level dB(A) (ISO15744)		Vibration (m/s <sup>2</sup> ) (ISO28927)	
	† Pressure (L <sub>p</sub> )	‡ Power (L <sub>w</sub> )	Level	*K
280	106.1	117.1	24.1	3.4
280-EU	106.1	117.1	24.1	3.4
280-6	106.1	117.1	21.8	3.8
280-6-EU	106.1	117.1	21.8	3.8
280-S-6	106.1	117.1	21.8	3.8

† K<sub>PA</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 (P<sub>MAX</sub>) 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 47132600 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               | 7. Coupling                  |
| 2. Regulator                | 8. Safety Air Fuse           |
| 3. Lubricator               | 9. Oil                       |
| 4. Emergency shut-off valve | 10. Grease - during assembly |
| 5. Hose diameter            | 11. Grease - through fitting |
| 6. Thread size              |                              |

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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.