
# INDUSTRIAL

## AIR TOOLS PRODUCT CATALOG

SIOUX TOOLS

SIOUX™

*FOR THE WAY YOU WORK*

**www.siouxtools.com**

# Sioux keeps growing.

# Catalog Guide

## Standard Equipment

Under this heading a specification is given for each type of tool and of the parts (nipples, keys, guards, etc.) supplied with the tool.

A parts list and safety and instruction manual are always included in the package with every tool.

## Air Consumption

The air consumption of the tools is stated in cubic feet per minute (cfm) and liters per second, l/s, and relates to free air, i.e., the compressed air expanded to atmospheric pressure. Unless otherwise stated, the figures are valid at a working pressure of 90 psig (6.2 bar) and indicate the maximum air consumption unless otherwise stated.

Maximum air consumption for non-governed tools is achieved at free speed when the tool is running at no load. A tool with governed speed control has the maximum air consumption at the maximum power output.

## Speed

The tool speeds are indicated in revolutions per minute, (rpm), and indicate the free speed, i.e., the speed at which the tool runs at no load and at a working pressure of 90 psig (6.2 bar), unless otherwise specified. The speed at maximum output is estimated as 50% of the idling speed for non-governed tools and 80-90% of the idling speed for tools with governed speed control.

## Model Number

Many tools have very similar performance characteristics. These subtle differences are often indicated by the addition of letters after the model number.

## Weight and Length

The weight of the tools is listed in both pounds (lb) and kilograms (kg), and the length is listed in both inches (in) and millimeters (mm).

## Side to Center

This measurement is taken from the center of the tool to the outside edge. It is useful for applications requiring the tool to fit into a precise or limited space.

## Sound Level

In the field of ergonomics, sound level is very important to the safety and well-being of the operator. Sound levels are listed, where applicable, in decibels dB(A).

## Quick Conversion Chart

**Length:**

| | | |
|---|---|---|
| 1 in | = | 0.0254 m |
| 1 m | = | 39.3701 in |
| 1 m | = | 3.2808 ft |
| 1 in | = | 25.4 mm |
| 1 ft | = | 304.8 mm |
| 1 mm | = | 0.03937 in |

**Weight:**

| | | |
|---|---|---|
| 1 lb | = | 0.4536 kg |
| 1 kg | = | 2.2046 lb |

**Torque:**

| | | |
|---|---|---|
| 1 kpm | = | 9.8067 Nm |
| 1 ft lb | = | 1.3558 Nm |
| 1 in lb | = | 0.1130 Nm |
| 1 Nm | = | 0.1020 kpm |
| 1 Nm | = | 0.7376 ft lb |

**Pressure:**

| | | |
|---|---|---|
| 1 bar | = | 100 kPa |
| 1 kg/cm2 (at) | = | 98.0665 kPa |
| 1 psi | = | 6.8948 kPa |
| 1 kPa | = | 0.145 psi |
| 1 kPa | = | 0.01 bar |
| 1 kPa | = | 0.0101972 kg/cm2 (at) |

**Power:**

| | | |
|---|---|---|
| 1 kgm/s | = | 9.8067 w |
| 1 hp | = | 745.7 w |
| 1 kw | = | 101.972 kgm/s |
| 1 kw | = | 1.3410 hp |

**Flow:**

| | | |
|---|---|---|
| 1 m3/min | = | 16.6667 l/s |
| 1 cfm | = | 0.4720 l/s |
| 1 m3/h | = | 0.2778 l/s |
| 1 l/s | = | 2.1189 cfm |