





The Ingersoll Rand 109/1099XPA Series ratchets deliver exceptional power coupled with superior comfort and durability.

- 103 Nm (76 ft-lb) of maximum torque.
- Exclusive Ingersoll Rand TwinPawl Plus head design . provides exceptional durability.
- Variable-speed lever allows precise delivery of power and • speed.
- 360° adjustable exhaust directs air away from the operator and the workplace.

Specifications at 6.2 bar (90 psi)

Part Number	1099XPA
Ordering number	80181001
Drive size (square)	1/2 in
Other available versions:	
- 3/8" square drive	109XPA

PERFORMANCE

Working torque Maximum torque Recommended fastener size Free speed

AIR SYSTEM Air Inlet (NPT) Minimum hose size Average air consumption Air consumption at load

10 - 64 ft-lb / 14 - 87 Nm 76 ft-lb / 103 Nm 3/8 in / M10 220 rpm

1/4 in 3/8 in / 10 mm 4.0 CFM / 113 L/min 24.0 CFM / 680 L/min

NOISE & VIBRATION Sound pressure / power (ISO15744) 92.4 / 103.4 dB(A) Vibration level / measurement uncertainty (ISO28927)

WEIGHT & DIMENSIONS

Tool weight Tool length Head dimensions (W x H) Shipping weight Shipping dimensions (L x W x H) UPC / EAN code Origin

3.32 lb / 1.51 kg 12 in / 306 mm 1.57 x 1.38 in / 40 x 35 mm 3.85 lb / 1.75 kg 76 x 345 x 74 mm 6 63023 03027 9 Made in China

2.5 / 0.7 m/s²

www.ingersollrandproducts.com









1/2" Impact socket set (14 pcs) (10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23 and 24 mm)



Impact sockets

For the complete range, see our accessory catalogue.



33104 91486330 Hose whip, 1/4" NPT, 6 mm inside diameter, 30 cm (1 ft)



77NMC2 88104070 7N7/7S7 Series nipple, 1/4" male thread, 7.2 mm bore (EURO 7.2 - 7.4)



92536044 PVC hose, 10 mm inside diameter, 30 m

RH-10



Filters, regulators, lubricators For the complete range, see our accessory catalogue.

10Z4 03875671 Oil, Class 1, no. 10, 0.12 L



1099XPA-TRK1 16594392 Ratchet head service kit







88103015

IBN/IBS Series nipple, 1/4" male thread, 6 mm bore (ISO6150B / MIL-C4109)

Quick Release Couplings

For the complete range, see our accessory catalogue.



CO-1315 56753106

Hose clamps, 13-15 mm outside diameter, 100 pcs



Lubricants

For the complete range, see our accessory catalogue.



109XPA-MK 16594160 Motor service kit

www.ingersollrandproducts.com

Nothing contained on these pages is intended to extend any warranty or representation, expressed or implied, regarding the product described herein. Any such warranties or other terms and conditions of sale of product shall be in accordance with Ingersoll Rand's standard terms and conditions of sale for such products, which are available upon request. Product improvement is a continuing goal at Ingersoll Rand. Designs and specifications are subject to change without notice or obligation.





SK4M18 81287385

1/2" Impact socket set (18 pcs) (10, 11, 13, 14, 17, 19, 21, 22, 24, 13L, 14L, 21L, 24L, 17L, 19L and 21L mm, extension 125 mm)

109-BOOT 45505336 Protective tool boot

