





### 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/s<sup>2</sup>

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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

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#### **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

