



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	10 - 64 ft-lb / 14 - 87 Nm
Maximum torque	76 ft-lb / 103 Nm
Recommended fastener size	3/8 in / M10
Free speed	220 rpm

AIR SYSTEM

Air Inlet (NPT)	1/4 in
Minimum hose size	3/8 in / 10 mm
Average air consumption	4.0 CFM / 113 L/min
Air consumption at load	24.0 CFM / 680 L/min

NOISE & VIBRATION

Sound pressure / power (ISO15744)	92.4 / 103.4 dB(A)
Vibration level / measurement uncertainty (ISO28927)	2.5 / 0.7 m/s²

WEIGHT & DIMENSIONS

Tool weight	3.32 lb / 1.51 kg
Tool length	12 in / 306 mm
Head dimensions (W x H)	1.57 x 1.38 in / 40 x 35 mm
Shipping weight	3.85 lb / 1.75 kg
Shipping dimensions (L x W x H)	76 x 345 x 74 mm
UPC / EAN code	6 63023 03027 9
Origin	Made in China




SK4M14

81287351

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.


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


33104

91486330

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


IB6NMC2

88103015

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


77NMC2

88104070

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


Quick Release Couplings

For the complete range, see our accessory catalogue.


RH-10

92536044

PVC hose, 10 mm inside diameter, 30 m


CO-1315

56753106

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


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


Lubricants

For the complete range, see our accessory catalogue.


109XPA-MK

16594160

Motor service kit