



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:	109XPA
- 3/8" square drive	

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)



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



RH-10
92536044
PVC hose, 10 mm inside diameter, 30 m



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



IB6NMC2
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

