

Technical data

Products

Description	Part number	Tool shank size, mm (in.)
Cobra PROi	8318 0702 01	32 x 160 (1¼ x 6¼)
Cobra PROi	8318 0702 03	32 x 152 (1¼ x 6)
Cobra PROi	8318 0702 05	28 x 160 (1½ x 6¼)
Cobra PROi	8318 0702 07	28 x 152 (1½ x 6)
Cobra PROi ISO	8318 0702 09	25 x 108 (1 x 4¼)
Cobra PROi US	8318 0702 11	25 x 108 (1 x 4¼)

Machine data

	Cobra PROi 28/32	Cobra PROi 25 x 108 mm
Weight, kg (lb)	25.5 (56)	25 (55)
Length, mm (in.)	928 (36.54)	876 (34.49)
Fuel type	Alkylat or 90–100 octane unleaded petrol with up to 20% etanol	
Fuel tank capacity, litres (oz)	1 (33.8)	1 (33.8)
Fuel mixture	2 % (1:50)	2 % (1:50)
Oil type	Atlas Copco two-stroke oil, or recommended two-stroke oil	
Fuel consumption, litres/hour (gallon/hour)	1.33 (0.293)	1.33 (0.293)
Engine type	1 cylinder, two-stroke	
Engine management system	Electronic fuel injection	
Cooling system	Fan cooled	
Cylinder displacement, cc	90	90
Power, kW (hp)	2.0 (2.7)	2.0 (2.7)
Full speed, loaded machine with tamping tool on bed of sand (r.p.m.)	5,600–6,000	5,600–6,000
Speed, unloaded machine, idling (r.p.m.)	2,200–3,000	2,200–3,000
Max. engine speed unloaded (r.p.m.)	6,200	6,200
Ignition system	Inductive	
Spark plug (recommended)	Champion RCJ8	
Spark plug gap, mm (in.)	0.6–0.7 (0.024–0.028)	0.6–0.7 (0.024–0.028)
Ambient temperature, °C (°F)	-15 to +37 (5 to 98.6)	-15 to +37 (5 to 98.6)
Working altitude limitation, m	Up to 3,000 meters above sea level with reduced performance	

Gearbox unit

	Cobra PROi
Oil type for gearbox	Atlas Copco IMPACT-OIL
Gearbox oil capacity, litres (oz)	0.1 (3.38)

Impact unit

	Cobra PROi
Impact energy	60 J at 1440 bpm
Lubrication	Impact mechanism through separate oil bath
Oil type for impact unit	Atlas Copco IMPACT-OIL
Oil capacity, litres (oz)	0.1 (3.38)
Oil consumption, litres/hour (oz/hour)	0.005 (0.17)

Noise and vibration declaration statement

Guaranteed sound power level **L_w** according to EN ISO 3744 in accordance with directive 2000/14/EC.

Sound pressure level **L_p** according to EN ISO 11203.

Vibration value **A** and uncertainty **B** determined according to EN ISO 28927-10. See table "Noise and vibration data" for the values of A, B, etc.

These declared values were obtained by laboratory type testing in accordance with the stated directive or standards and are suitable for comparison with the declared values of other tools tested in accordance with the same directive or standards. These declared values are not suitable for use in risk assessments and values measured in individual work places may be higher. The actual exposure values and risk of harm experienced by an individual user are unique and depend upon the way the user works, in what material the machine is used, as well as upon the exposure time and the physical condition of the user, and the condition of the machine.

We, Atlas Copco Airpower, cannot be held liable for the consequences of using the declared values, instead of values reflecting the actual exposure, in an individual risk assessment in a work place situation over which we have no control.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed. An EU guide to managing hand-arm vibration can be found at <http://www.humanvibration.com/humanvibration/EU/VIBGUIDE.html>

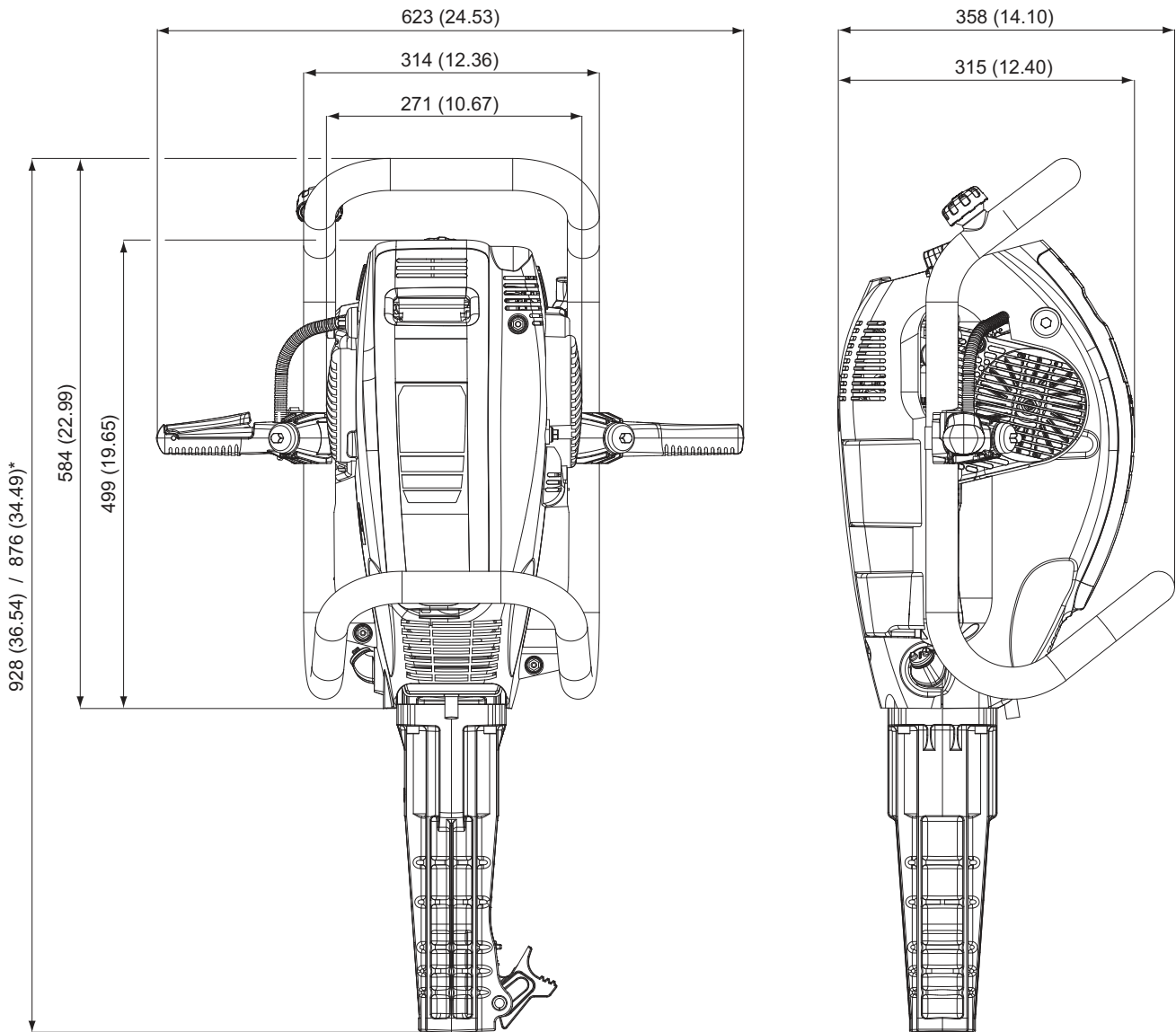
We recommend a programme of health surveillance to detect early symptoms which may relate to vibration exposure, so that management procedures can be modified to help prevent future impairment.

Noise and vibration data

	Noise		Vibration	
	Declared values		Declared values	
	Sound pressure	Sound power	Three axes values	
	EN ISO 11203	2000/14/EC	EN ISO 28927-10	
Type	L _p r=1m dB(A) rel 20µPa	L _w guaranteed dB(A) rel 1pW	A m/s ² value	B m/s ² spreads
Cobra PROi	97	109	3.3	0.8

Dimensions

mm (in.)



* Cobra PROi 25x108.