

Yato | Code YT-81983 | Sku 1081983

Diamond Core Drill Rig 2800W



Overview

The YATO YT-81983 industrial diamond core drill rig is designed for drilling in reinforced concrete, concrete, and natural stone. It is suitable for the plumbing industry (sewer pipe drilling, ceiling penetrations), HVAC installations, heat pump systems, and storm drainage applications. The rig supports serial drilling with diameters exceeding 200 mm and drill bit lengths from 150 mm up to approximately 4 m (with extensions) for monument restoration, rainwater drainage, resin injections, and bridge renovation. A planetary gearbox with hardened steel gears (53–56 HRC) delivers high torque and durability across the full drilling range. The drill can be used handheld or mounted on the included stand/tripod. Water cooling is supported to extend drill bit and machine life and reduce dust. An automatic residual current circuit breaker (RCCB) is integrated near the plug and must be tested before each use. An overload clutch protects the machine when excessive resistance is detected. The rotor and stator windings are made from 100% copper. Motor thermal protection is included. Dry and wet operation modes are supported.

Key Technical Specifications

Weight	22 kg
Application	Reinforced concrete, concrete, natural stone
Rated Power	2800 W
Rated Speed	700 min ¹
Set Includes	Drilling rig, additional handle with clamp, stand, rear bracket
Hammer Action	No
Rated Voltage	230 V a.c.
Water Cooling	Yes
Acoustic Power	105.4 ± 3.0 dB(A)
Operation Mode	Dry, wet
Rated Frequency	50 Hz

Drill Attachment	1-1/4" UNC
Length (mm)	150–450 mm
Protection Grade	IPX0
Acoustic Pressure	92.4 ± 3.0 dB(A)
Producer Code (EAN)	5906083066252
Compatible Accessories	YT-86211, YT-60371, YT-60372, YT-60373, YT-60374, YT-60375, YT-60376, YT-60377, YT-60378, YT-60379
Stand / Tripod Included	Yes
Electric Insulation Class	I
Max. Inlet Water Pressure	0.5 MPa
Maximum Drilling Diameter	300 mm
Minimum Drilling Diameter	12 mm
Water Connection Diameter	1/4" (6.35 mm)

Key Points

- 2800W rated power with planetary gearbox featuring hardened steel gears (53–56 HRC) for high torque and durability
- Drilling diameter range: 12–300 mm; drill bit length: 150–450 mm; attachment: 1-1/4" UNC
- Supports both dry and wet (water-cooled) operation — lever-controlled water supply connection (1/4" / 6.35 mm)
- Can be used handheld or stationary — dedicated stand/tripod included in the set
- Integrated automatic residual current circuit breaker (RCCB) with reset button for electrical safety
- Overload clutch protects the machine from excessive resistance during drilling
- Rotor and stator windings made from 100% copper; motor thermal protection included
- Noise levels: acoustic pressure 92.4 ± 3.0 dB(A), acoustic power 105.4 ± 3.0 dB(A)
- Compatible with YATO diamond core drill bits: YT-60371 to YT-60379 (32–182 mm) and cordless water pump YT-86211
- Set includes: drilling rig, additional handle with clamp, stand, rear bracket

Warnings

- Test the residual current circuit breaker (RCCB) before each use
- Use water cooling whenever possible to extend drill bit and machine service life and minimise dust generation
- Protection grade IPX0 — not rated for protection against water ingress to the motor housing; use water cooling system as intended only
- Overload clutch activation (pulsing or drill stop with motor running) indicates excessive resistance — relieve load before continuing