

DD 400-E diamond drilling system

Uses

- Penetrations in steel-reinforced concrete and all types of stone
- Large openings up to 500 mm dia.
- Fast repetitive drilling
- Stitch drilling and deep hole drilling
- Can be used on ceilings, walls and floors without hammering or vibration

Modular system consisting of

- The same basic components as the DD-250 E
- Comprehensive accessories on a modular basis
- Co-ordinated system of core bits
- Quick-change core bit system (no tools required)
- Water cooled 3 phase motor

Technical data

Voltage:	400 V
Nominal current:	7.5 A
Nominal power:	4.1 kW
Mains frequency:	50 Hz
Core bit diameter range:	80–500 mm dia.
Speeds under load:	1 st speed: 160 r.p.m. 2 nd speed: 350 r.p.m. 3 rd speed: 510 r.p.m.
Max. torque:	1 st speed: 300 Nm 2 nd speed: 200 Nm 3 rd speed: 150 Nm
Weight:	24 kg
Supply cord length:	5 m
Core bit connection end:	DD-C-BU, DD-C-BS (11/4" UNC), DD-C-Pixie
Motor cooling:	Water cooling
Minimum flow rate:	3.3 l/min.
Protection:	Protection class IP55, motor overheating protection controlled by sensor in motor windings, gearing protected by mechanical slip clutch, approved as per EN 60204



Ordering designation

DD 400-E motor unit

(available in 230/240 V or 110 V)



Features

- Easy one-man operation
- Extremely low noise level (water cooling system)
- Very high torque
- Economical versatile – uses system components as required
- Optimum protection and safety equipment

Compact design



Large diameters



- Compact design, easily operated by one man
- Modular system, co-ordinated with other Hilti diamond core drilling system components and core bits
- Optimum protection and safety features

- Powerful 400 V motor for very high drilling performance
- Wide range of applications in reinforced concrete and other materials:
 - Large penetrations up to 500 mm dia.
 - Deep-hole drilling
 - Quick repetitive drilling