

Switched reluctance MDU concrete core drill motor.

The MDU-SR core drill motor offers high performance and productivity, reliability and easy handling. It has best power/weight ratio in its class. It combines at least two core drills in one as the motor accepts both 1-phase or 3-phase input power.



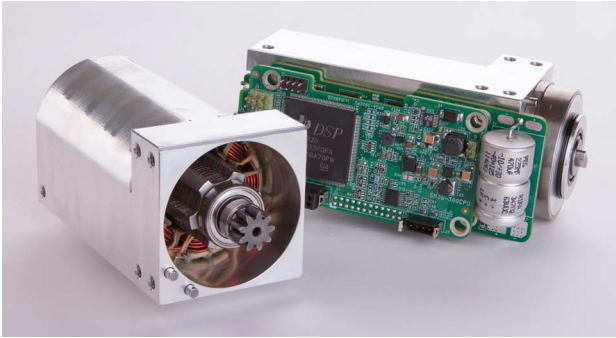
To switch between 1-phase and 3-phase power, all that is needed is an adapter cable.

Power	230 Volt	400 Volt
Input power:	3.8 kW	10 kW
Output power @ 16 Amp	3.0 kW	9 kW
Input voltage:	230 - 250 Volt	400 - 480 Volt
Input frequency:	50 - 60 Hz	50 - 60 Hz
Weight:	19kg	

- Very low maintenance due to the use of a switched reluctance motor.
- Highest possible reliability through extremely rugged but yet advanced design
- Very wide speed range – 15 electronically controlled motor speeds plus reverse
- Build in immobilizer
- Build in two radio channels (2.4GHz) for service and remote control
- Motor fully encapsulated in epoxy for good cooling and reduced sensitivity for vibrations and moisture

Military grade build in electronics ensures reliability:

- Extremely high efficiency in the electric motor
- Sensorless switched reluctance motor control
- Overtemperature and overvoltage protection
- Perfectly designed EMC-filter for very low interference levels
- Military grade motor inverter for highest possible reliability
- No mechanical or dirt sensitive connectors and switches (contactless control digital system).



Motor and electronics design is done and manufactured by KASKOD-MTRONIX OU, gearbox design – Tractive AB (Sweden). Motor and electronics design are ownership of KASKOD-MTRONIX OU.

Autofeed drill motor system:

- 48V, 300W Switched reluctance servo motor
- 85% system efficiency
- 0-17000 RPM
- Control interface – CAN.

Integrated design of switched reluctance motor, electronics and planetary gearbox

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