

Scope :

Following Categories are covered in the Lab scope for IS 4665 (Part 2/Sec 1) :

#	Parameter	Permitted Range / Condition
S1	Rated Input Power	Up to and including 2 500 W
S2	Rated AC Supply Voltage	Single-phase AC only, up to and including 300 V (50 Hz or 60 Hz)
S3	Rated DC Supply Voltage (mains-connected DC tools)	Up to and including 150 V DC
S4	Battery voltage (cordless/battery-operated tools)	Up to and including 80 V DC
S5	Static Stalling / Clutch Slip Torque (Cl 19.101)	Up to and including 50 Nm
S6	Number of supply phases	Single-phase only
S7	Moisture / IP Protection rating (Cl 14)	Ordinary (unrated) / IPX1 / IPX2 / IPX3 / IPX4 only
S8	Tool type	Drills and impact drills (including multi-speed, electronic-regulated, and clutch-fitted variants)

Exclusions:

- a) Rated input > 2 500 W
- b) Rated AC voltage > 300 V (e.g. 380/400/440 V single-phase)
- c) Three-phase (polyphase) supply tools
- d) Mains-connected DC tools with rated voltage > 150 V DC
- e) Tools claiming IPX5 / IPX6 / IPX7 / IPX8 / IPX9 or equivalent
- f) Tools with static stalling / clutch slip torque > 50 Nm