General
• Power supply: 100 - 240V
• Power consumption: max 650 VA
• Input pressure: 4 - 10 bar (58 - 145 psi)

Dimensions
• Size: 717x595x1667 mm
• Weight full option: 142 kg
VacuFlow VTi technology
• Vacuum mode: Vacuum [mmHg @sea level]: 0 to -680
• Flow mode: Flow [ml/min]: 0 to 90 and vacuum limit [mmHg @sea level]: 0 to -680
• Fastest rise time: 300 msec (0-680 mmHg@0 cc/min 10 - 90%)
• Single cartridge for anterior, posterior or combined procedures
• 1x irrigation, 2x aspiration ports

LED Endoillumination Module
• With built in filters to protect user from UV (<435 nm) and IR (>680 nm) wavelengths
• 3 independent output ports
• Intensity up to 40 lm, 0-100%
• Color adjustment, white to yellow in 20 gradients

Graphical User Interface
• 19 inch resistive touch screen (1280x1024)
• Intuitive Graphical User Interface
• Voice feedback
• Integrated stylus holder
• IR remote control
• Languages: EN/DE/FR/ES/IT/PT/FI/NO/SV/NL

Infusion System
• Gravity by integrated automatic IV pole:
  40 to 150 cm H2O (hook 0 to 110)
• Vented Global Pressure Control: 0-150 mmHg
• Automatic Infusion Compensation (vitrectomy only)
• Fluid tamponade

Vitrectomy
• Ultra speed vitrectomy: 20-16.000 cpm*
• Optimized duty cycle
• Single cut function

Phaco
• E(fficiency)-Phaco: phaco pulse mode with 125 pps for phaco emulsification and fragmentation
• 40 kHz / 50 Watt
• Stroke length of tip @ 100%: 100 µm
• Needle detection & auto tuning
• Advanced fluidics Threshold Technology

* The TDC cutter has a cut speed of up to 8000 cpm and is designed to facilitate cutting tissue on the return of each stroke of the vitrectome, effectively doubling the cut speed.
Backflush
- Auto backflush (0 - 50 mmHg/0 - 250 msec)
- Micro backflush (0 - 50 mmHg/0 - 250 msec)
- Manual backflush (see Infusion System)

Diathermy
- Biopolar coagulation endo and exo diathermy
- Frequency: 1 MHz +/- 10%
- HF output: 0 - 10 Watt @ 150 Ω

Fluid-Air exchange
- 0 - 150 mmHg
- Air tamponade

Viscous Fluid Control
- Injection, 0-6 bar
- Extraction, 0 to -680 mmHg
- One instrument for injection and extraction

Redesigned Integrated Footswitch
- Wireless with integrated laser control
- 6 programmable buttons
- Customizable inlays
- Independent control of aspiration and cutting/phaco
- Single linear lock

Integrated 532 nm Laser (optional)
- Modes: Continuous, Pulse and Single shot
- Power: 50 up to 1200 mW
- Pulse Interval: 10-5000 ms
- Pulse Duration: 50-5000 ms
- Aiming beam wavelength: 625 to 635 nm
- LIO illumination 6 V / 12 W: 0-100%
- Integrated footswitch with shrouding

Mayo tray (optional)
- Mountable on left or right side
- Height (variable) [cm]: 90 +/- 15
- Tray [cm]: 42 x 63.5