

SCU-1600 turbomolecular pump control unit

The Edwards SCU-1600 new control unit is a fully digital, EU-RoHS compliant controller with perfect compatibility for large sized turbopumps. Advanced VRS (Vibration Reduction System) technology minimises vibration levels and pre-maintenance call functions provide advanced notice of pump maintenance requirements. The reliability focused design, enhanced communication function, and perfect compatibility bring significant back up units savings and contributes to a reduction in total CoO.



Features and benefits

- Advanced Pre-Maintenance Function
 - Precise maintenance timing
 - Two stage warning messages
 - Rotor imbalance monitoring
 - Self diagnostic functions
- Universal Controller
 - Common cables
 - Fully digital
 - For STP-A2203/A2503/A3003/A2803/A3503
F2203/XH2603/XH3203/XA2703/XA3203/XA4503/
XW3503 and future models
- Low Vibration
 - VRS (Vibration Reduction System)
 - ABS (Auto Balancing System)
- Compact Construction
 - Small Footprint
 - Half rack controller
- High Reliability
 - Conforms to international standards
 - UL, CE ,SEMI-S2 & EU RoHS compliance
- Communication Options
 - Serial RS232/485 standard, LonWorks, Profibus, DeviceNet

Technical data

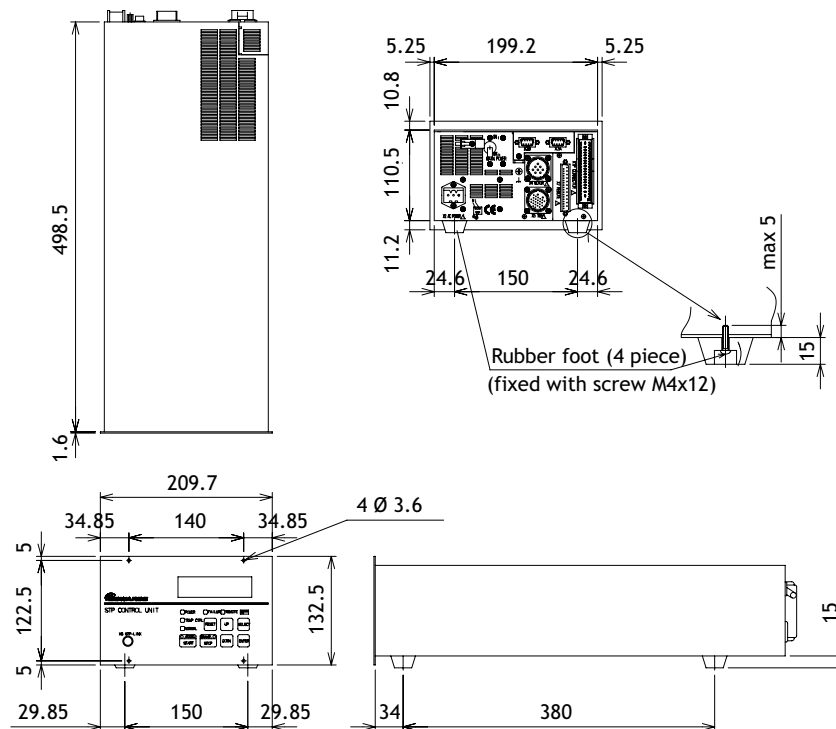
Magnetic bearing control system		Digital control
Input voltage	VAC	200-240 ±10%
Power consumption (without TMS*)	VA	Max 1500
Power consumption (with TMS)	VA	Max 2100
Input frequency	Hz	50/60 ±2
Leak current	mA	3.5
Main braker rated current	A	15
Motor driving system		3 phase DC brushless motor drive
Allowable ambient temperature	°C	0 ~ 40
Storage temperature	°C	-25 ~ 55
Mass	Kg	11
TMS control unit		Built-in
Serial communication function		RS232/RS485
Operation switch		Start, Stop, Reset, Select, Up Down, Enter, Manual/Remote
Panel display		LCD

Ordering Information

SCU-1600 (Standard) YT76Z0Z00

*TMS - Temperature Management System

Dimensions



Global contacts

EUROPE

UK Crawley +44 1293 528844
 UK (local rate) 08459 212223
 Belgium Brussels +32 2 300 0730
 France Paris +33 1 4121 1256
 Germany Munich 0800 000 1456
 Italy Milan +39 02 48 4471

USA

Niagara (toll free) +1 800 848 9800

BRAZIL

Sao Paulo +55 11 3952 5000

ISRAEL

Qiryat-Gat +972 8 681 0633

ASIA PACIFIC

China (toll free) +86 400 111 9618

India, Pune +91 20 4075 2222

Japan, Yachiyo +81 47 458 8831

Korea, Bundang +82 31 716 7070

Singapore +65 6546 8408

Taiwan R.O.C. Jhunan Town +886 3758 1000



WWW.EDWARDSVACUUM.COM

info@edwardsvacuum.com

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