

STPA803C advantage turbomolecular pump

The STPA803C is a turbomolecular pump designed for use in semiconductor applications. Advanced rotor technology gives class-leading performance for maximum process flexibility.

The STPA803C has been approved for use by major equipment manufacturers in the semiconductor and magnetic media industries.



Features and benefits

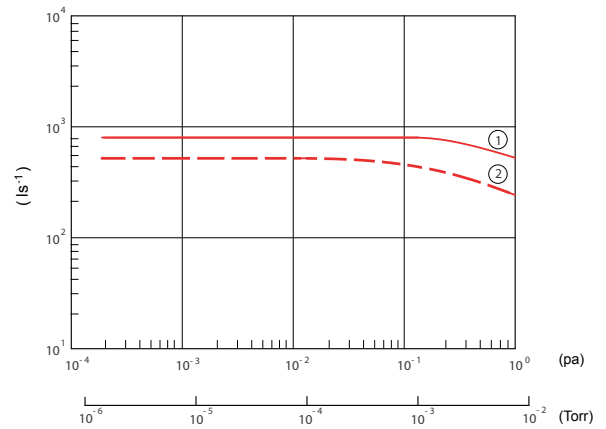
- Advanced rotor technology
 - Maximised process flexibility
 - Oil free
 - Low vibration
 - High reliability
 - Maintenance free
 - Harsh process compatible
 - Increased life
- Advanced controller design
 - Auto tuning
 - Self diagnostic functions
 - DC motor drive
 - Battery-free operation
- Compact design
 - Small footprint
 - Half rack controller

Technical data

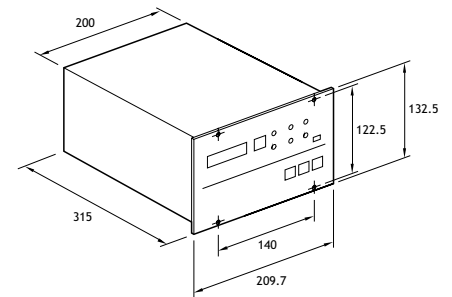
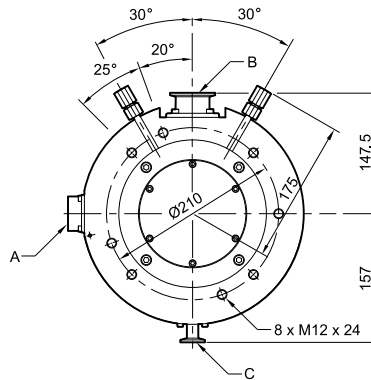
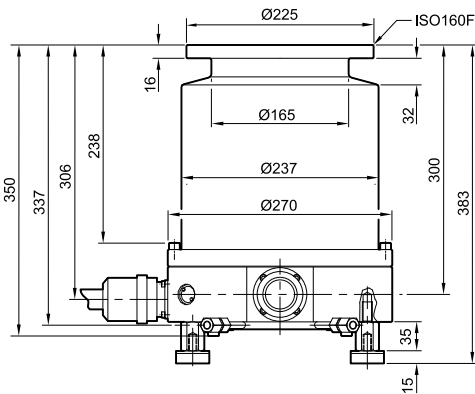
Inlet flange size	ISO160F/DN160CF	
Pumping speed N ₂ /H ₂	800 / 520	Litres/second
Compression ratio N ₂ /H ₂	>10 ⁸ / 10 ³	
Ultimate pressure	10 ⁻⁷ (10 ⁻⁹)	Pa (Torr)
Maximum continuous outlet pressure*	270 (2)	Pa (Torr)
Maximum Nitrogen throughput*	1500 (2.54)	sccm (Pa m ³ /sec)
Rated speed	32500	rpm
Starting time	7	minutes
Maximum inlet flange temperature [‡]	120	°C
Power consumption (continuous)	850	VA
Input voltage	200-240	V
Weight, pump/controller	39/9	kg

* water cooled † with cooling

Performance curves



Dimensions



- A Electrical Connector
- B Output Port
- C Purge Port
- D Cooling water out
- E Cooling water in
- F Temp sensor connector

Ordering information

Pump	
Description	Order No.
STPA803C ISO160F inlet	YT36B0040
STPA803C DN160CF inlet	YT36B0010
STPA803CV (TMS) ISO160F inlet	YT3626000
STPA803CV (TMS) DN160CF inlet	YT3626003

Custom configurations are available for specific OEM applications

Accessories and spares	
Description	Order No.
SCU-800 control unit	YT4922Z00
Power cable 5m	PT49Y0A00
Power cable 10m	PT49Y0A01
Straight connection cable 5m	B75130020
Straight connection cable 10m	B75130060
TMS connection cable kit	PT330V000
TMS connection cable kit	PT330V001
TMS connection cable kit	PT330V002

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

Publication Number: B71800895, Issue C
 © Edwards Limited 2013. All rights reserved.
 Edwards and the Edwards logo are trade marks of Edwards Limited.