

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *BOC Edwards XDS5C* at our website: *Click HERE*

XDS
DRY SCROLL PUMPS



EDWARDS

WWW.EDWARDSVACUUM.COM

INNOVATIVE PRODUCTS GLOBAL STRENGTH LOCAL SUPPORT VACUUM EXPERTISE

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Unique design that sets the industry standard

Edwards 30 years of experience in scientific applications affords us a deep understanding of research practices and the critical role that vacuum plays within them. From this platform, and through collaboration with the major analytical instrument manufacturers, we develop and support innovative vacuum products that underpin our clients' entire research process.

The XDS range is a unique award-winning dry pumping technology. It is designed to provide a robust and clean dry pumping solution for all applications.

All pumps in the range are approved to UL and CSA standards and backed by Edwards worldwide service and support.

Typical Applications

	XDS5	XDS10	XDS35i
Analytical instruments - GCMS	•		
Analytical instruments - LCMS		•	•
Automotive	•	•	•
Beam lines and high energy physics	•	•	•
Centrifuges, ultra-high speed	•	•	•
Coating	•	•	•
Cryogenics	•	•	•
Degassing/curing - oil, epoxy resin	•	•	•
Distillation/extraction/filtration	•	•	•
Freeze drying	•	•	•
Furnaces	•	•	•
Gas bottle filling/emptying		•	•
Gel drying	•	•	•
Glove boxes, ovens		•	•
Laboratory bench top vacuum	•	•	•
GENERAL			
Lasers, gas recovery and recirculation	•	•	•
Leak detectors, Helium	•	•	•
Load locks and transfer chambers	•	•	•
Rare gas recirculation	•	•	•
Rare gas recovery	•	•	•
Refrigeration manufacture	•	•	•
Research and development	•	•	•
Rotary, centrifugal evaporators	•	•	•
Scanning electron microscopes - SEM	•	•	•
SEM/FIB (ion beam repair)	•	•	•
Solvent recovery	•	•	•
Surface science instruments	•	•	•
Turbomolecular backing pumps	•	•	•

Patented bearing shield

Totally clean and dry vacuum
No bearings or grease in the vacuum space
No shaft seals, no bearing purges
Simple single sided scroll design
Tip seal change in 20 minutes
No special tools required

Integral IEC 60320 connector

No customer wiring

Motor on/off switch

Ease of control

Dual voltage/frequency motor wit external change-over switch

Simple voltage selection, less world-wide s

Selectable gas ballast position

No permanent gas ballast leak
Large water vapor handling capacity



Award winning

Millennium R&D Magazine
100 Award Winner

EDWARDS

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Inverter driven motor (XDS35i)

Worldwide voltage, low power consumption
Pump overload protection
Remote on/off control capability
Remote speed selection capability



All pumps externally approved to EN61010, CSA C22.2 1010, UL 61010 standards

Ease of incorporating pump into approved systems, safe product

h

stock

Axial air gap motor

Unique design, low power
Compact product, low noise levels





Manufactured under ISO 9001 standard

High quality product

Manufactured under ISO 14001 standard

Environmentally friendly processes

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Specifications

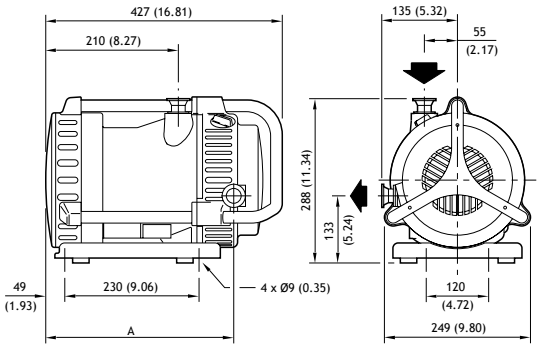
	Hz	Units	XDS5	XDS10	XDS35i
VACUUM DATA					
Peak pumping speed [1,2]	60	cfm	3.5	6.5	21
	50	m^3/h	4.8	9.3	35
Ultimate pressure (Total)	60	Torr	0.05	0.05	0.0075
	50	mbar	0.07	0.07	0.01
Ultimate pressure GB I (Total)	50/60	Torr	0.09	0.09	0.015
		mbar	0.15	0.15	0.02
Ultimate pressure GB II (Total)	50/60	Torr	-	-	0.022
		mbar	-	-	0.03
High throughput mode	50/60	Torr	-	-	-
		mbar	-	-	-
Water vapor tolerance		Torr	38	23	
		mbar	50	35	
Water vapor capacity - GB I		g/h	70	70	70
Water vapor capacity - GB II		g/h	200	200	200
MOTOR DATA					
Motor rating 1 phase (nominal)	60	W	300	300	520
	50	W	300	300	520
Motor rating 3 phase		W	300	300	-
Nominal rotation speed	60	rpm	1800	1800	1800
	50	rpm	1500	1500	1800
PHYSICAL DATA					
Weight		lb	51	54	106
		kg	23	24.5	48
Inlet flange			NW25	NW25	NW40
Exhaust flange			NW25	NW25	NW40
Noise level	50/60 [3]	dBA	55	55	57
Leak tightness		mbar l/s	$<1 \times 10^{-6}$	$<1 \times 10^{-6}$	$<1 \times 10^{-6}$
Operating temperature range		°C	10 to 40	10 to 40	10 to 40
		°F	50 to 104	50 to 104	50 to 104

Notes:
1. XDS5i is inverter controlled, preset to 60Hz
2. Pumping speed measured to PNEUROP 6602
3. XDS5/10 at 50Hz, XDS35i at 60Hz

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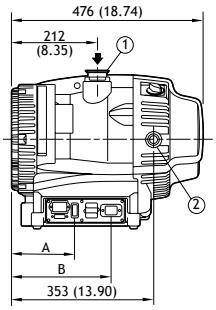
Dimensions

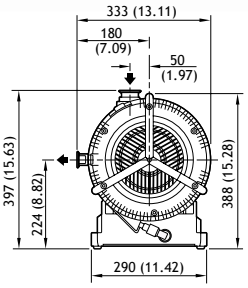
XDS5/10



Dimensions reference A: XDS10 = 315mm, XDS5 = 297mm

XDS35i





A Center line of on/off switch, 150 (5.91)

B Center line of phase socket, 247.5 (9.74)

1 Inlet flange NW40

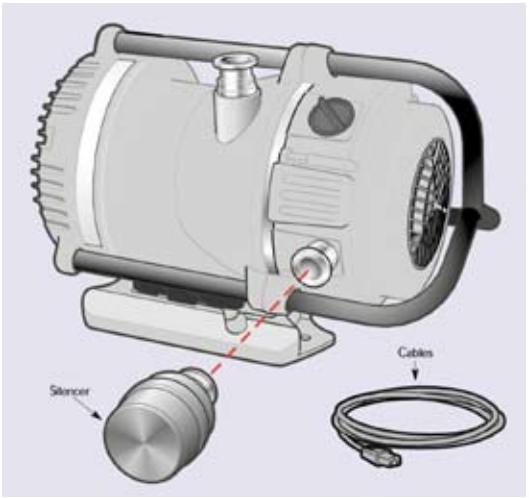
2 Outlet port NW25

Ordering information

	Product description	Order No.
XDS5	XDS5 1ph, 115V/230V 50/60Hz set to 230V	A72401903
	XDS5 1ph, 100/200V set to 200V	A72401904
	XDS5 3ph, 200-220/380-415V 50Hz 200-230/460V 60Hz	A72401905
	XDS5 1ph, 115V/230V 50/60Hz set to 115V	A72401906
XDS10	XDS10 1ph, 115V/230V 50/60Hz set to 230V	A72601903
	XDS10 1ph, 100/200V set to 200V	A72601904
	XDS10 3ph, 200-220/380-415V 50Hz, 200-230/460V 60Hz	A72601905
	XDS10 1ph, 115V/230V 50/60Hz set to 115V	A72601906
Cord sets	UK, three pin plug	A50505000
	North European plug	A50506000
	North American plug	A50507000
Silencer	Silencer for XDS5 and XDS10	A50597000
Vibration Isolators	XDS5 and XDS10	A24801404
Gas Ballast adaptor	Kit for XDS5 and XDS10	A50626801
Spare parts	Tip seal kit	A72601805

	Product description	Order No.
XDS35i	XDS35i 100-120/200-230V 50/60Hz set to 230V	A73001983
Cord sets	UK, three pin plug	A50505003
	North European plug	A50506003
	North American plug	A50507003
Silencer	Silencer for XDS35i	A50597001
Vibration Isolators	Vibration isolators for XDS35i	A24801408
Gas Ballast adaptor	Kit for XDS35i	A50626801
Spare parts	Tip seal kit	A73001801
	Reducing piece NW40/25	C10516439
	Centering ring & O ring NW25	C10514395
	Clamp - NW25	C10514401

Accessories



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Edwards — the company you have known and trusted for nearly 100 years - continues to deliver innovative vacuum pumps and related systems. We strive to lower your cost of ownership, increase your productivity and enhance your final product quality. Edwards products are based on a solid foundation of manufacturing excellence, field-proven technologies and are supported by a renowned global services network.

Edwards stands behind each product with exceptional integrity and strength, supporting our customers beyond standard expectations. Edwards is essential to your process.

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- *Turbomolecular Pumps*
- *Exhaust Management*
- *Integrated Vacuum and Abatement*
- *Liquid Abatement*
- *Chemical Management*
- *Chillers*
- *Coating Systems*
- *Vacuum System Components*

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

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We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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