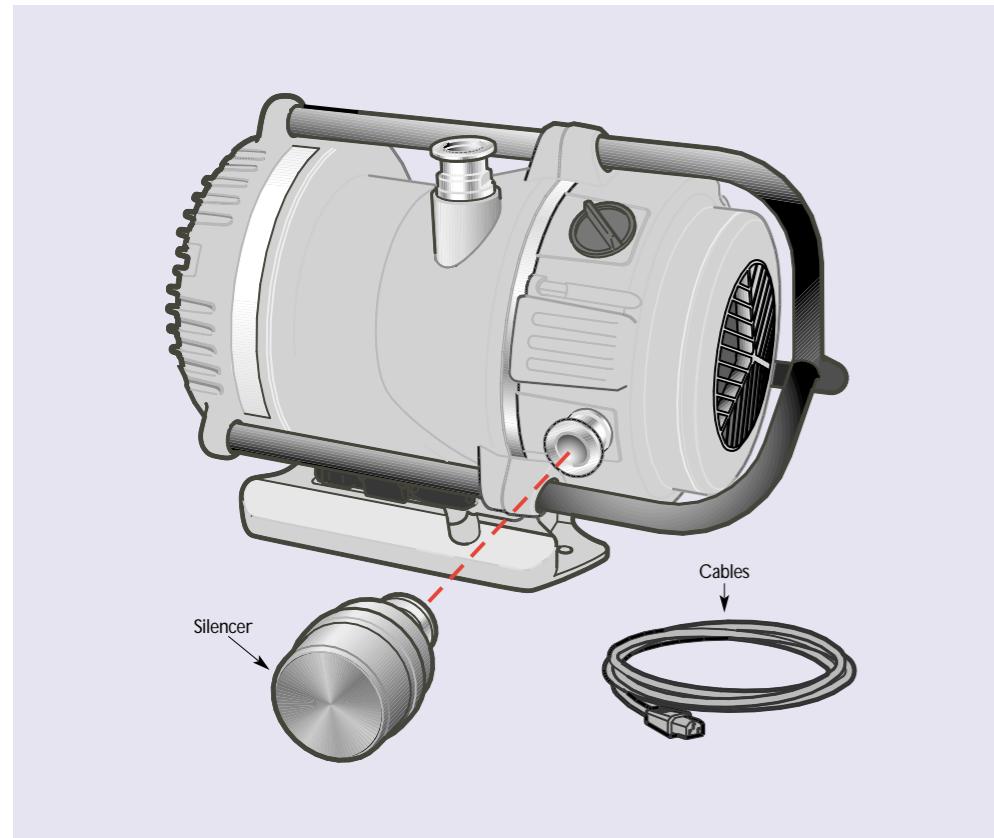


Ordering details

Description	Ordering Number	Description	Ordering Number
XDS5 XDS5 1ph, 115V/230V 50/60Hz set to 230V	A72401903	XDS35i XDS35i 100-120/200-230V/50/60HZ set to 230v	A73001983
XDS5 1ph, 100/200V set to 200V	A72401904		
XDS5 3ph, 200-220/380-415V 50Hz	Contact BOC Edwards	Cord Sets UK, three pin plug	A50505003
XDS5 200-230/460V 60Hz	Contact BOC Edwards	North European plug	A50506003
XDS5 1ph, 115V/230V 50/60Hz set to 115V	A72401906	North American plug	A50507003
XDS10 XDS10 1ph, 115V/230V 50/60Hz set to 230V	A72601903	Silencer Silencer for XDS35i	A50597001
XDS10 1ph, 100/200V set to 200V	A72601904	Vibration Isolators Vibration isolators for XDS35i	A24801408
XDS10 3ph, 200-220/380-415V 50Hz	Contact BOC Edwards	Spare Parts Tip seal kit	A73001801
XDS10 200-230/460V 60Hz	Contact BOC Edwards	Reducing piece NW40/25	C10516439
XDS10 1ph, 115V/230V 50/60Hz set to 115V	A72601906	Centering ring & Oring NW25	C10514395
		Clamp - NW25	C10514401
		Gas Ballast Adaptor Kit for XDS5, XDS10, XDS35i	A50626801
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		
Spare Parts Tip seal kit	A72601805		

Accessories



XDS Dry Scroll Pumps

BOC Edwards is a world leader in process equipment, materials and services for electronics, industrial and scientific applications. Our aim is to offer customers solutions that result in a measurable improvement in productivity.

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for Better Process Results



Unique design that sets the industry standard

BOC 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 the customer's 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 BOC Edwards' worldwide service and support.

Typical Applications

Instrumentation	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 re-circulation	●	●	●
Leak detectors, Helium	●	●	●
Load locks and transfer chambers	●	●	●
Rare gas re-circulation	●	●	●
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 with external change-over switch

Simple voltage selection, less world-wide stock

Selectable gas ballast position

No permanent gas ballast leak
Large water vapor handling capacity

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

Pancake 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

Award winning

Millennium R&D Magazine
100 Award Winner

Dimensions

	A	B	C	D	E	F		A	B	C	D	E	F	
XDS5	427	249	288	210	180	297		XDS35i	476	290	397	212	195	353
XDS10	427	249	288	210	180	315								

All dimensions in mm

Specifications

	Hz	Units	XDS 5	XDS 10	XDS 35i
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	0.075
	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	Note ³	Note ³	-
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
Length		inch	16.8	16.8	18.7
		mm	427	427	476
Width		inch	9.8	9.8	13.1
		mm	249	249	333
Height		inch	11.3	11.3	15.6
		mm	288	288	396
Inlet flange			NW25	NW25	NW40
Exhaust flange			NW25	NW25	NW25
Noise level	50/60 ⁴	dBA	55	55	57
Leak tightness		mbar.l/s	<1x10 ⁻⁶	<1x10 ⁻⁶	<1x10 ⁻⁶
Operating temperature range		°C	10 to 40	10 to 40	10 to 40

Notes: 1. XDS35i is inverter controlled, pre-set to 60 Hz.
2. Pumping speed measured to PNEUROP 6602.

3. Contact BOC Edwards.
4. XDS5/10 at 50 Hz. XDS35i at 60 Hz.