

nXRi HIGH PERFORMANCE COMPACT DRY VACUUM PUMP

MADE TO PERFORM



EDWARDS



BIG ON PERFORMANCE...

nXRi HIGH PERFORMANCE COMPACT DRY VACUUM PUMP **When performance matters**

Edwards has revolutionised the vacuum pump market with the new nXRi high performance, compact dry pump. It delivers unrivalled pumping speeds in the most compact package, with pumping speeds of 60 and 90 m³h⁻¹. The nXRi's lower input power and zero maintenance create real performance improvements and cost benefits across a range of applications.

Analytical Instrument OEMs benefit from the ease of integration into most vacuum systems for a ready to go vacuum solution, perfect for mass spectrometry, electron microscopy and leak detection.

R&D and Industrial customers will enjoy the design flexibility, oil-free and low maintenance features.



Compact footprint Optimise your space!

Designed with size in mind, the compact footprint and height allow the nXRi dry pump to fit easily under a benchtop saving valuable space in your laboratory; and at under 30kg offers a highly portable vacuum pump for changing work flows and environments.

Energy efficiency Reduce your costs!

For reduced power consumption look no further than the Edwards nXRi dry pump, optimised to low power for lower energy costs and reduced heat load from your vacuum equipment.



COMPACT IN SIZE



Unrivalled performance **When you need it!**

When performance matters look no further than the nXRi dry pump, with pumping speed performance of 60 and 90 m³h⁻¹ from our most compact footprint. It delivers four times more pumping speed than similar sized dry pumps, and with low ultimate and high reliability you are assured a consistent and stable vacuum for years to come.

Zero contamination **Experience the difference!**

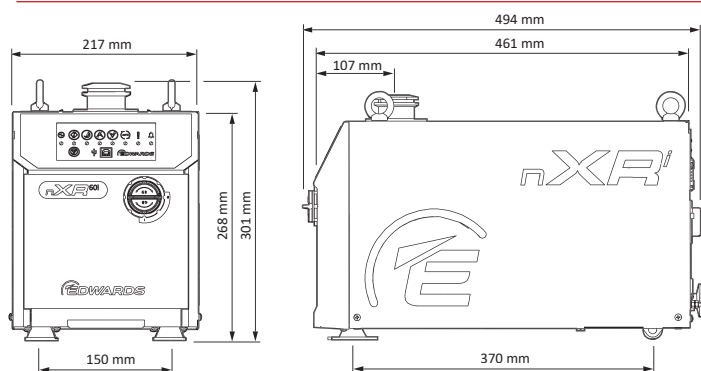
Clean processes and clean results are guaranteed with the nXRi compact dry pump, being totally oil-free and dust-free within the vacuum chamber. Being free of oil, smells and particulates guarantees a more pleasant working environment.



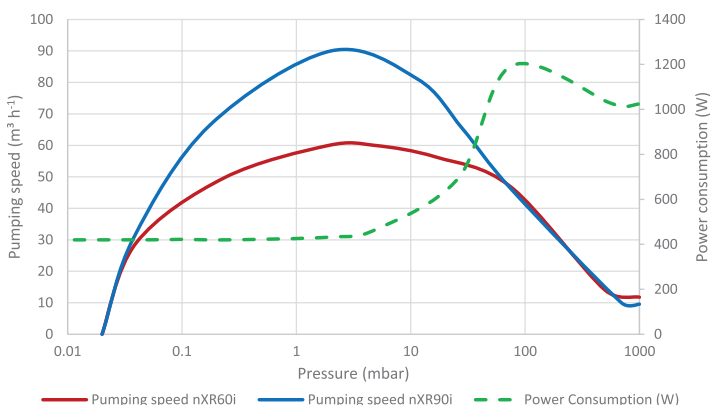
Technical specification

Peak pumping speed	
nXR60i	60 m ³ h ⁻¹
nXR90i	90 m ³ h ⁻¹
Ultimate vacuum (total pressure)	
0.02 mbar (0.015 Torr)	
Inlet flange	
NW40	
Outlet flange	
NW25	
Maximum permitted outlet pressure	
nXR60i	0.2 bar gauge
nXR90i	0.2 bar gauge
Operating temperature range	
+5 to +40°C (+41 to +104°F)	
Nominal rotational speed	
15000 rpm	
Voltage input	
100-127/200-240 V (+/-10%), switchable	
Mains frequency	
50/60 Hz	
Power connector 1-ph	
IEC EN60320 C19	
Power at ultimate	
450 W	
Leak tightness	
< 1x10 ⁻⁶ mbar ls ⁻¹	
Weight	
29 kg (64 lb)	
Noise at ultimate vacuum	
55 dB(A)	
Vibration at inlet flange	
< 2.0 mm/s	

Dimensions



nXR60i/nXR90i pumping speed/pressure



Ordering information

Product description	Order number
nXR60i NW40 Multi Stage Roots Dry Pump 100-127/200-240 V, 50/60 Hz	A90502983
nXR90i NW40 Multi Stage Roots Dry Pump 100-127/200-240 V, 50/60 Hz	Please contact Edwards

Accessories

Product description	Order number
2m electrical supply cable, NEMA 5-15P, North America/Japan (100-120 V)	A50507003
2m electrical supply cable, NEMA 6-15P, North America (200-240 V)	A50507006
2m electrical supply cable, UK, three pin plug	A50505003
2m electrical supply cable, Europe	A50506003
2m electrical supply cable, China	A50509003
Gas ballast blank plug	A73501806
Gas ballast adaptor for inert gas (1/4" quick connect)	A73501811

GLOBAL CONTACTS

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Edwards Ltd registered in England and Wales No.
6124750, registered Office: Innovation Drive,
Burgess Hill, West Sussex RH15 9TW

EMEA	
UK	+44 1293 528844 (local rate) 08459 212223
Belgium	+32 2 300 0730
France	+33 1 4121 1256
Germany	0800 000 1456
Italy	+ 39 02 48 4471
Israel	+ 972 8 681 0633

ASIA PACIFIC	
China	+86 400 111 9618
India	+91 20 4075 2222
Japan	+81 47 458 8831
Korea	+82 31 716 7070
Singapore	+65 6546 8408
Taiwan	+886 3758 1000

AMERICAS	
USA	+1 800 848 9800
Brazil	+55 11 3952 5000