



Edwards iXH Series

Technical Specifications

		iXH 100	iXH 200H	iXH 610	iXH 1210	iXH 1210H	iXH 1210HT	iXH 1220H
Dry pump size	m ³ /h	100	200	100	100	100	100	200
Booster size	m ³ /h			600	1200	1200	1200	1200
Peak Speed	m ³ /h	100	215	665	1025	1065	1000	1250
Ultimate Vac (Typical)	Torr	1.5x10 ⁻²	7.5x10 ⁻³	3.7x10 ⁻³	3.7x10 ⁻³	3.7x10 ⁻³	7.5x10 ⁻³	3.7x10 ⁻³
System Power at Ult. ⁽²⁾	kW	2.1	3.7	2.6	3.2	3.9	3.9	4.8
Inlet Connection	ISO	63	63	100	100	100	100	100
Outlet Connection	NW	40	40	40	40	40	40	40
Typical Water Flow ⁽¹⁾	l/m	2.0	2.7	3.0	4.0	4.2	4.2	4.7
Purge Flow Range	slm	28/44*	28/44*	22/44*	22/44*	22/44*/60	22/44*/60	34*/96/122
Weight	kg	260	287	355	430	413	413	457

		iXH 1220HTX	iXH 1820T	iXH 1820	iXH 1820H	iXH 3030TX	iXH 3030 ⁽²⁾	iXH 3030T
Dry pump size	m ³ /h	200	200	200	200	300	300	300
Booster size	m ³ /h	1200	1800	1800	1800	3000	3000	3000
Peak Speed	m ³ /h	1250	1700	1820	1825	2750	2900	2750
Ultimate Vac. (Typical)	Torr	3.7x10 ⁻³	3.7x10 ⁻³	3.7x10 ⁻³	3.7x10 ⁻³	3.7x10 ⁻³	3.7x10 ⁻³	3.7x10 ⁻³
System Power at Ult. ⁽²⁾	kW	4.8	4.0	3.9	4.8	5.7 ⁽⁴⁾	5.7	5.7
Inlet Connection	ISO	100	160	160	160	160	160	160
Outlet Connection	NW	40	40	40	40	40	40	40
Typical Water Flow ⁽¹⁾	l/m	4.7	3.5	4.2	4.7	4.5	5.0	4.5
Purge Flow Range	slm	34*/96/122	34/96*/122	28/44*	34*/96/122	34*/96/122	28/44*	34/96*/122
Weight	kg		473	471	487	625	619	624

* Factory default setting

(1) Water consumption varies with pump operating temperature; figures at 110 °C

(2) Average power at 700 T exhaust pressure

(3) Booster heaters add 1 kW when switched on

(4) Booster heaters add 1.5 kW when switched on



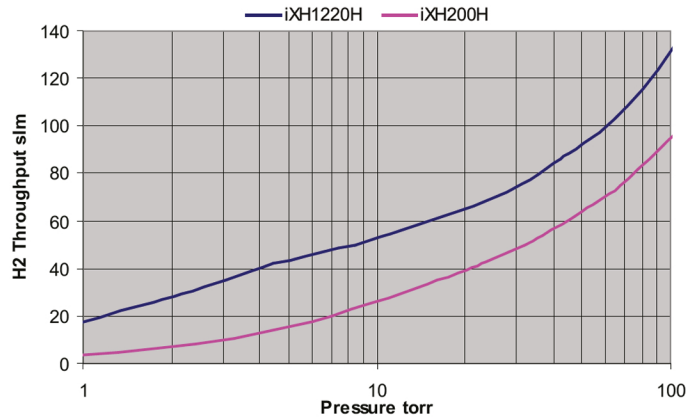
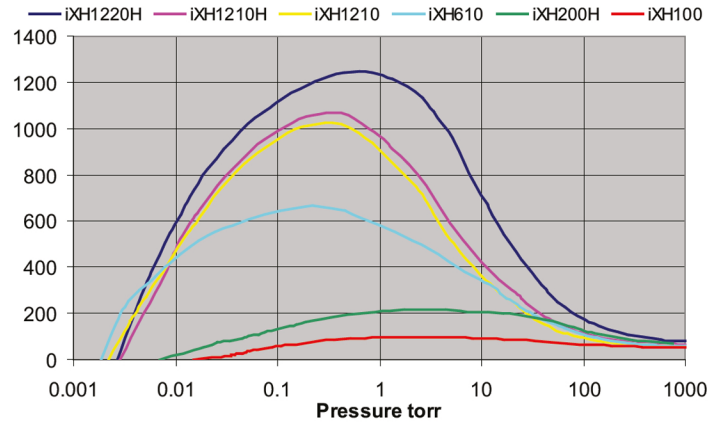
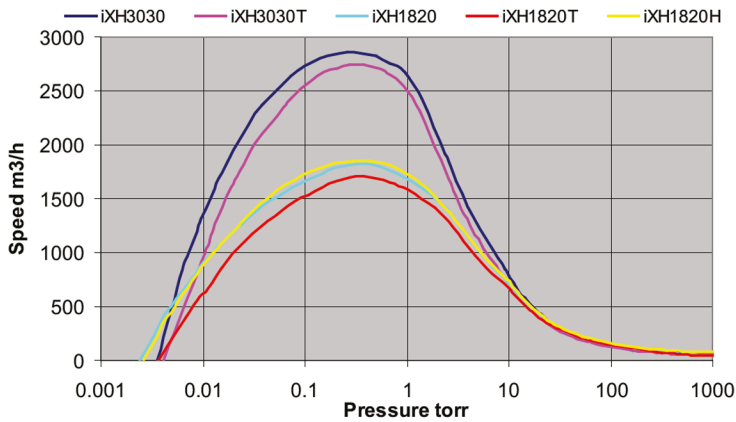
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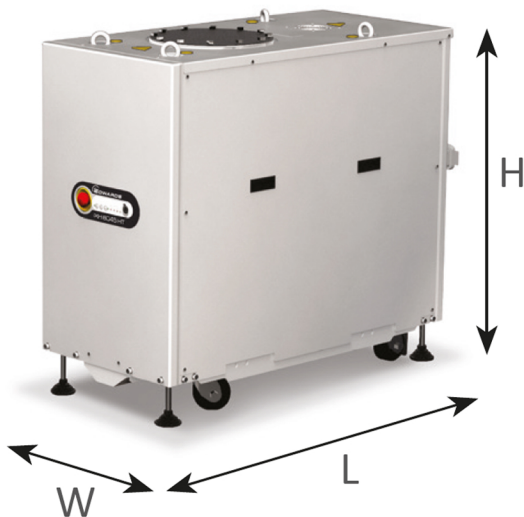
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Edwards iXH Series Pumping Curves



Dimensions



Dimensions (mm)	L	W	H
iXH100	784	390	526
iXH200H	901	390	526
iXH610, 1210, 1210H, 1210HT	784	390	780
iXH1220H, 1820, 1820T, 1820H, 1220HTX	901	390	780
iXH3030, 3030T, 3030TX	915	517	966



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Edwards iXH Series

Features & Benefits

- harsh process capability
- low cost of ownership
- less energy consumption, green mode capable
- modular design, small footprint, lower height
- greatly increased powder handling capability
- wide temperature range allows optimization of pump to minimize by-product accumulation from condensation & plating
- innovative pump seal technology lengthens process life & reduces leakage risks
- greatly increased hydrogen pumping speed for advanced EPI & solar processes

Applications

- load lock • transfer • metrology • lithography • PVD process • PVD pre-clean • RTA • stripping/ashing • oxide etch • silicon etch • metal etch • implant source • HPD-CVD • RTP • SACVD • MOCVD • PECVD
- LPCVD • ALD