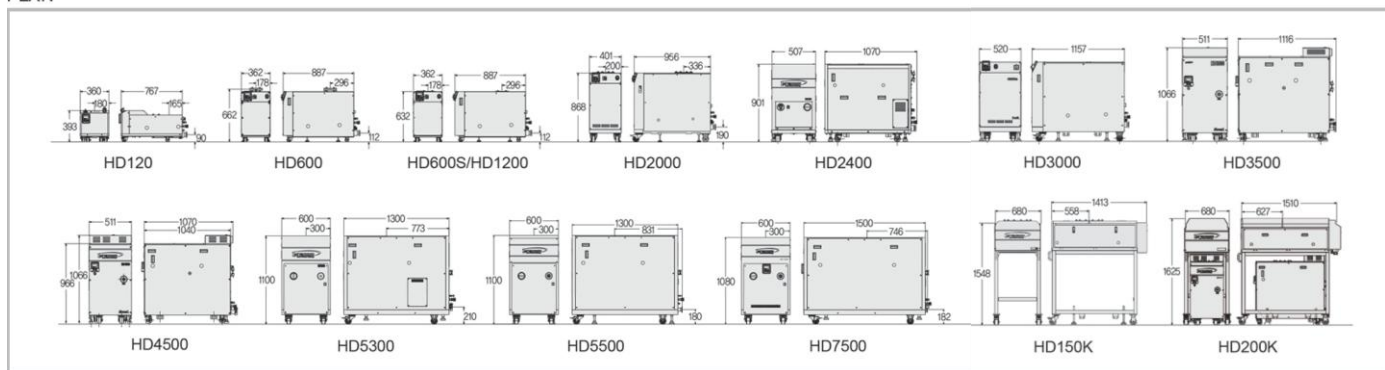


	HD120	HD600e	HD600S	HD1200e	HD2000	HD2000e	HD2300	HD2400	HD3000	HD2500	HD3500	HD4500	HD5300	HD5500	HD7500	HD150K	HD200K
Low Voltage	470002	472072	470022	472032	480042	482042	492042H42	4920A2	4920B2	4620A9H81	4620B9PA1	4620JDM71	4920M2H81	4620KGMK1	4620LGMCI	-	-
High Voltage	470102	-	470122	-	-	-	-	-	4921B8	-	4621B9PA2	46A1JFHB2	-	4621K9PA2	-	-	-

PLAN



TECHNICAL DATA

	Unit	HD120 HD120e	HD600S HD600eS	HD1200 HD1200e	HD2000 HD2000e	HD2300e	HD2400e	HD3000e	HD5300e	HD2500e	HD3500e	HD4500e	HD5500e	HD7500e	HD150K	HD200K
Pumping speed	m ³ /hr ℓ/min	120 2,000	600 10,000	1,200 20,000	1,800 30,000	1,800 30,000	2,400 40,000	3,000 50,000	5,100 85,000	2,400 40,000	3,200 53,000	4,200 70,000	5,200 86,000	7,200 125,000	9,000 150,000	12,000 200,000
Ultimate pressure with module purge	Torr Pa	≤ 3.0 × 10 ⁻³ ≤ 3.9 × 10 ⁻³		< 5.0 × 10 ⁻³ < 6.6 × 10 ⁻³							< 1.0 × 10 ⁻³ < 1.3 × 10 ⁻¹					
Maximum exhaust pressure	bar (psig)	1.5 (7.2)														
Nitrogen supply pressure	bar (psig)	4 ~ 8 (43 ~ 100)														
Internal purge-gas pressure	bar (psig)	3 (29)														
Nitrogen consumption (ETCH)	slm	-														
Nitrogen consumption (CVD)	slm	50														
Nitrogen connection	inch	1/4" Lok Fitting														
Cooling water consumption	ℓ/min	2 ~ 11.4														
Cooling water supply temp	°C (°F)	15 ~ 25 (59 ~ 77)														
Cooling water supply pressure (with ΔP ≥ 1bar)	bar (psig)	3.5 ~ 6 (36 ~ 73)														
Cooling water connection	inch	3/8" Quick Connector														
Intake port	mm	DN 63 KF	DN 100 ISO-K	DN 160 ISO-K	DN 200 ISO-K	DN 250 ISO-K	DN 200 ISO-K	DN 250 ISO-K		DN 320 ISO-K						
Exhaust port	mm	DN 40 KF / DN 50 KF														
Dimension (W×L×H)	mm ³	360×767×393	362×887×632	401×956×868	510×1157×992	507×999×902	520×1157×992	600×1300×1100	510×1040×1035	510×1040×1065	511×1040×1066	600×1300×1100	600×1500×1080	680×1413×1548	680×1510×1625	
Weight	kg (lbs)	160 (353)	300 (661)	500 (1102)	590 (1301)	650 (1433)	750 (1653)	1200 (2645)	715 (1576)	816 (1803)	912 (2011)	1200 (2645)	1400 (3086)	1612(3546)	1800(3960)	
Maximum ambient temperature	°C (°F)	40 (104)														
Minimum ambient temperature	°C (°F)	10 (50)														
Power consumption at ultimate pressure (DP+BP)	kW	2.6 / 2.3	2.8 / 2.5	2.9 / 2.6	3.3 / 2.9	3.1	3.2	3.3	4.0	6.3	6.8	8.0	7.75	7.45		
Rated motor power (DP+BP)	kW	4.0	8.0	9.0	16.0	14.0	17.0	21.0	28	32						
Supply voltage-Multi-Voltage motor	V/∅/Hz	200~230, 380~480V (±10%) / 3∅ / 60Hz 200~230, 380~460V (±5%) / 3∅ / 50Hz														
Oil charge volume (DP+BP)	ℓ	0.39	1.29	2.20	4.49	3.32	3.92	5.32	5.50	8.1	9.6					

※ Option can be set, power consumption → average

※ Ultimate pressure with module purge — based on normal concept, varies by each temperature concept