



HD Series

FEATURES

HYBRID SCREW ROTOR

- Easy powder handling
- Low compression ratio
 - = Low gas temperature
 - = Low deposition in pump

SHORT GAS PATH

- Low reaction rate in pump

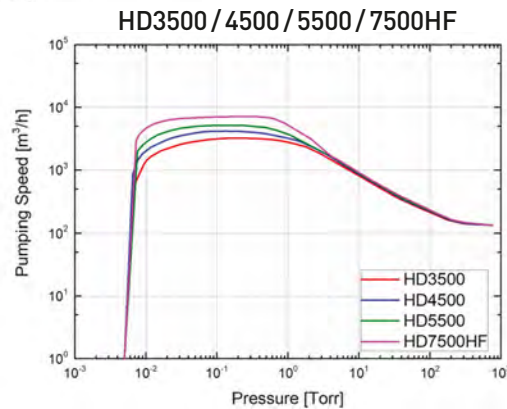
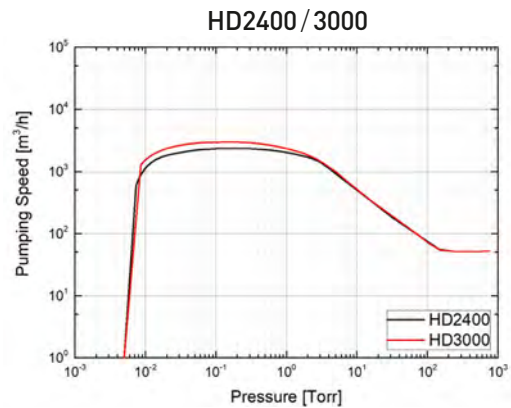
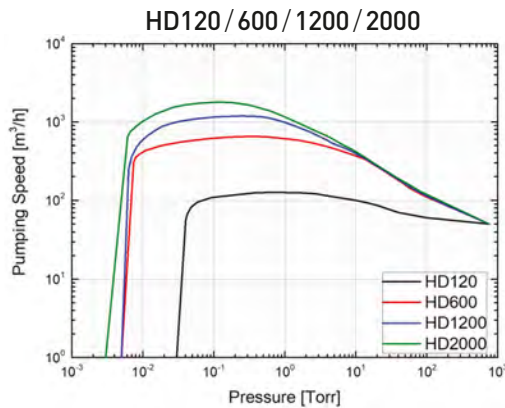
COMPACT SIZE / ENERGY SAVING



HD Series



MODEL | **HD120 / HD600 / HD1200 / HD2000 / HD2400 / HD3000 / HD3500 / HD4500 / HD5500(HF) / HD7500HF / HD150K / HD200K**



TECHNICAL DATA

	Unit	HD 120	HD 600	HD 1200	HD 2000	HD 2400	HD 3000	HD 3500	HD 4500	HD 5500(HF)	HD 7500HF	HD 150K	HD 200K
Pumping speed	m³/hr	120	600	1,200	1,800	2,400	3,000	3,200	4,200	5,200	7,200	9,000	12,000
	ℓ/min	2,000	10,000	20,000	30,000	40,000	50,000	53,000	70,000	86,000	125,000	150,000	200,000
Ultimate pressure with module purge	Torr	<3.0×10 ⁻²	< 5.0×10 ⁻³									< 1.0×10 ⁻³	
Nitrogen consumption	slm	50						100					
Cooling water consumption	ℓ/min	2 ~ 11.4										6 ~ 8	
Intake port	mm	DN 63 KF	DN 100 ISO-K	DN 160 ISO-K	DN 200 ISO-K		DN 250 ISO-K				DN 320 ISO-K		
Exhaust port	mm	DN 40 KF						DN 40 KF / DN 50 KF					
Dimension (W×L×H)	mm³	360×767×394	359×843×726	394×956×778	507×1,001×902	520×1,157×992	512×1,038×1,066		609×1,346×1,102	600×1,504×1,082	680×1,413×1,548	680×1,510×1,625	
Weight	kg(lbs)	177(390)	345(760)	523(1,153)	704(1,552)	832(1,834)	860(1,895)	985(2,171)	1,211(2,669)	1,365(3,009)	1,612(3,546)	1,800(3,960)	
Power consumption at ultimate pressure (DP+BP)	kW	2.6/2.3	3.1/2.6	3.2/2.9	3.3/3.0	3.2	3.3	6.4			6.5	7.7	7.4
Rated motor power (DP+BP)	kW	4.0	8.0			9.0	12.0	17.0		21.0		28	32
Supply voltage -Multi-Voltage motor	V/Ø/Hz	220/380/440VAC(±10%), 3, 50/60											

※ Option can be set, power consumption → average

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

※ Pumping speed - based on normal concept, varies by each temperature concept