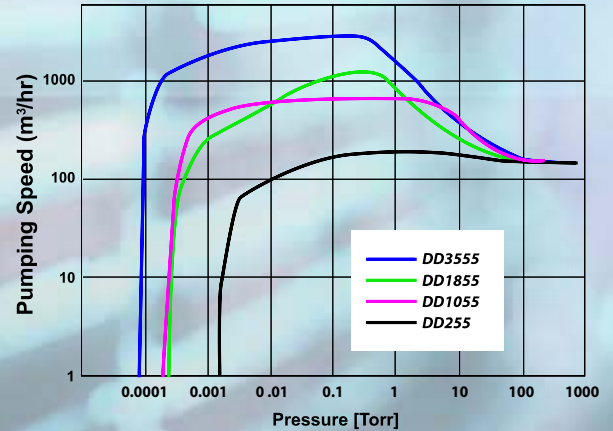


DD255 Series

DD255 / DD1055 / DD1855 / DD2055
DD3055 / DD3555

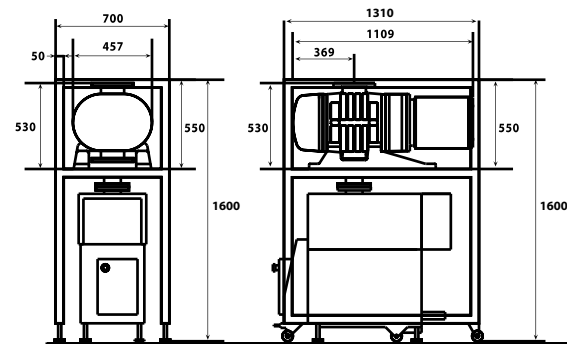


DD255 Series (60Hz)

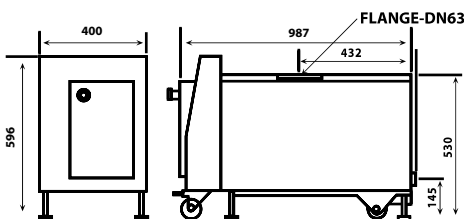


DD255 Series: Exceptional pumping speed for Solar PV, 300mm, and Flat Panel Display Applications

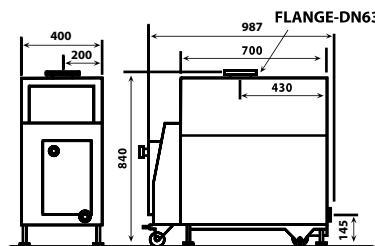
- DD255 Delivers industry leading pumping speed in a single stage package while also providing excellent base pressure.
- DD1055 - DD3555 Combine LOT's proven split screw pumping technology with booster blowers to handle the most demanding process applications.



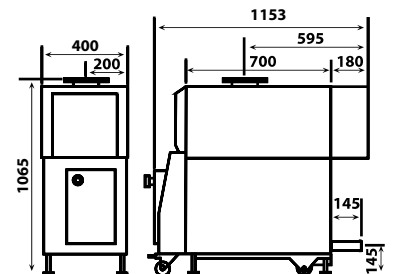
DD3555 (mm)



DD255 (mm)



DD1055 (mm)



DD1855 (mm)

DD255 Series

Technical Data

	Units	DD255	DD1055	DD1855	DD2055	DD3055	DD3555
Pumping speed 60Hz operation	cfm (m ³ /hr)	150 (225)	500 (850)	942 (1600)	1030 (1750)	1736 (2950)	2148 (3650)
Pumping speed 50Hz operation	cfm (m ³ /hr)	109 (185)	410 (695)	765 (1300)	836 (1421)	1447 (2458)	1795 (3050)
Ultimate pressure with full CVD purge							
60 Hz operation	Torr	≤5.0x10 ⁻³				≤5.0x10 ⁻⁴	
50 Hz operation	Torr	≤3.0x10 ⁻²				≤3.0x10 ⁻³	
Pumping stages		1		2			3
Maximum exhaust pressure	psig (bar)					7.2 (1.5)	
Nitrogen supply pressure	psig (bar)					43-100 (4 to 8)	
Internal purge gas pressure	psig (bar)					29 (3)	
Nitrogen Consumption ETCH	slm					12	
Nitrogen Consumption CVD	slm					50	
Exhaust flush purge (optional)	slm					100	
Exhaust hot N2 purge (optional)	°F/°C					≤356 / ≤180	
Nitrogen Connection	inch					3/8" NPTF with 1/4" NPT Tube Connector	
Cooling water requirements, approx. Cooling water flow	L/min					1.8 to 2.8	
Cooling water temp	°F/°C					60 to 86 / 15 to 30	
Cooling water pressure	psig (bar)					36 to 116 (3.5 to 9)	
Cooling water connection	inch					1/2" NPTF with 3/8" Tube Connector	
Intake Port	mm	DN 63 IOS-K		DN 100 ISO-K	DN 160 IOS-K		
Exhaust Port	mm	KF 40					
Dimensions WxLxH (Nominal)	inches	39 x 16 x 23.5	39 x 16 x 34	45.5 x 16 x 42	52 x 28 x 44.5	52 x 28 x 59	52 x 28 x 63
Weight	lbs. (kg)	613 (278)	959 (435)	1274 (578)	1574 (714)	1920 (871)	2235 (1014)
Maximum ambient temperature	°F/°C	104 / 40					
Minimum ambient temperature	°F/°C	50 / 10					
Power at ultimate vacuum	kw	4.0	5.0	6.0	5.9	6.5	7.3
Nominal motor power	kw	5.0	7.4	9.0	11.9	14.3	15.9
Supply Voltage Multi Voltage Motor	V / φ / Hz	200 · 208 · 230/460 · 480 V (± 10%), 3φ, 60 Hz 200 · 208/380 · 415 V (± 5%), 3φ, 50 Hz					
Motor rotation speed (nominal) 60 Hz	rpm	3600 (7200)			3600 (6000)		
Motor rotation speed (nominal) 50 Hz	rpm	3000 (6000)			3000 (5000)		