

Dry Runs	Turning distance from base (mm)	Turning height from wall (mm)	Block Height from wall (mm)	Block Dist from centre (mm)	No Fan Runs	NF Turning Distance from base (mm)	NF Turning height from wall (mm)	NF Block distance from centre (mm)	NF Block height from wall (mm)	Fan Runs	Fan Turning distance from base (mm)	Fan Turning distance from wall (mm)	Fan Block distance from centre (mm)	Fan Block height (mm)
Mar 2 Trial 1	400.00	47.06	100.00	379.76	Mar28 Trial 1	423.71	70.77	355.44	66.15	Mar 29	350.00	-2.94	241.54	0.00
Mar 2 Trial 2	347.06	-5.88	41.18	280.45	Mar28 Trial 2	302.94	-50.00	240.00	0.00	Mar 30	347.06	-5.88	275.22	-152.31
Mar 2 Trial 3	370.59	17.65	88.24	325.66	Apr4 Trial2	350.00	-2.94	383.85	120.00	Apr 2	323.53	-29.41	227.20	-43.08
Mar 2 Trial 4	352.94	0.00	76.47	311.10	Aug 8 Trial1	647.06	294.12	402.84	-32.31	Apr 3	320.59	-32.35	333.12	50.77
Mar 5 Trial 1	370.59	17.65	47.06	293.06	Nov 17 Trial 1	339.1	-13.84	379.26	24.62	Apr 4	344.12	-8.82	337.66	103.08
Mar 5 Trial 2	297.06	-55.88	23.53	295.58	Nov 17 Trial 3	305.25	-47.69	491.49	192.31	Apr 5	332.35	-20.59	194.66	-66.15
Apr 5 Trial 2	267.65	-85.29	-5.88	170.59	Nov 18 Trial 1	265.25	-87.69	325.27	-230.77					
Aug 6 Trial 1	402.94	50.00	20.59	307.03	Dec 6 Trial 1	319.1	-33.84	595.56	313.85					
					Dec 17 Trial 1	351.4	-1.54	440.97	298.46					

[illegible]

[illegible]

Dry Runs	Turning distance from base (mm)	Turning height from wall (mm)	Block Height from wall (mm)	Block Dist from centre (mm)	No Fan Runs	NF Turning Distance from base (mm)	NF Turning height from wall (mm)	NF Block distance from centre (mm)	NF Block height from wall (mm)	Fan Runs	Fan Turning distance from base (mm)	Fan Turning distance from wall (mm)	Fan Block distance from centre (mm)	Fan Block height (mm)
Mar 2 Trial 1	364.71	11.76	17.65	254.03	Mar28 Trial 1	560.63	207.69	332.33	146.15	Mar 29	367.65	14.71	500.15	246.15
Mar 2 Trial 2	364.71	11.76	70.59	160.56	Mar28 Trial 2	438.24	85.29	230.19	33.85	Mar 30	329.41	-23.53	317.91	40.00
Mar 2 Trial 3	352.94	0.00	182.35	287.75	Apr4 Trial2	400.00	47.06	356.33	70.77	Apr 2	361.76	8.82	276.12	273.85
Mar 2 Trial 4	300.00	-52.94	170.59	192.33	Aug 8 Trial1	700.00	347.06	658.32	424.62	Apr 3	300.00	-52.94	33.03	29.23
Mar 5 Trial 1	352.94	0.00	58.82	185.20	Nov 17 Trial 1	369.86	16.92	248.00	190.77	Apr 4	355.88	2.94	265.21	260.00
Mar 5 Trial 2	373.53	20.59	167.65	269.26	Nov 17 Trial 3	569.86	216.92	234.14	-29.23	Apr 5	341.18	-11.76	302.49	49.23
Apr 5 Trial 2	426.47	73.53	50.00	273.42	Nov 18 Trial 1	440.63	87.69	367.92	49.23					
Aug 6 Trial 1	379.41	8.82	185.29	328.91	Dec 6 Trial 1	508.32	155.38	354.13	141.54					
					Dec 17 Trial 1	531.4	178.46	315.70	46.15					

Dry Runs	Turning distance from base (mm)	Turning height from wall (mm)	Block Height from wall (mm)	Block Dist from centre (mm)	No Fan Runs	NF Turning Distance from base (mm)	NF Turning height from wall (mm)	NF Block distance from centre (mm)	NF Block height from wall (mm)	Fan Runs	Fan Turning distance from base (mm)	Fan Turning distance from wall (mm)	Fan Block distance from centre (mm)	Fan Block height (mm)
Mar 2 Trial 1	376.47	23.53	35.29	227.29	Mar28 Trial 1	352.94	0.00	408.25	195.38	Mar 29	332.35	-20.59	424.09	203.08
Mar 2 Trial 2	400.00	47.06	58.82	129.14	Mar28 Trial 2	497.06	144.12	366.00	46.15	Mar 30	341.18	-11.76	158.58	-6.15
Mar 2 Trial 3	294.12	-58.82	-58.82	235.44	Apr4 Trial2	647.06	294.12	216.62	147.69	Apr 2	370.59	17.65	348.97	120.00
Mar 2 Trial 4	305.88	-47.06	111.76	137.20	Aug 8 Trial1	552.94	200.00	474.31	69.23	Apr 3	300.00	-52.94	389.46	276.92
Mar 5 Trial 1	305.88	-47.06	23.53	41.59	Nov 17 Trial 1	432.94	80.00	438.54	126.15	Apr 4	323.53	-29.41	278.81	278.46
Mar 5 Trial 2	300.00	-52.94	82.35	245.80	Nov 17 Trial 3	560.63	207.69	457.73	126.15	Apr 5	314.71	-38.24	89.51	43.08
Apr 5 Trial 2	367.65	14.71	126.47	349.55	Nov 18 Trial 1	369.86	16.92	596.56	240.00					
Aug 6 Trial 1	361.76	8.82	164.71	407.97	Dec 6 Trial 1	405.25	52.31	376.50	364.62					
					Dec 17 Trial 1	385.25	32.31	243.30	72.31					

Dry Runs	Turning distance from base (mm)	Turning height from wall (mm)	Block Height from wall (mm)	Block Dist from centre (mm)	No Fan Runs	NF Turning Distance from base (mm)	NF Turning height from wall (mm)	NF Block distance from centre (mm)	NF Block height from wall (mm)	Fan Runs	Fan Turning distance from base (mm)	Fan Turning distance from wall (mm)	Fan Block distance from centre (mm)	Fan Block height (mm)
Mar 2 Trial 1	429.41	76.47	217.65	274.21	Mar28 Trial 1	529.86	176.92	545.48	544.62	Mar 29	373.53	20.59	188.92	21.54
Mar 2 Trial 2	405.88	52.94	123.53	228.43	Mar28 Trial 2	479.41	126.47	404.78	126.15	Mar 30	379.41	26.47	592.76	336.92
Mar 2 Trial 3	288.24	-64.71	-47.06	158.39	Apr4 Trial2	567.65	214.71	629.95	583.08	Apr 2	420.59	67.65	317.82	109.23
Mar 2 Trial 4	270.59	-82.35	-76.47	234.41	Aug 8 Trial1	497.06	144.12	565.03	224.62	Apr 3	323.53	-29.41	235.51	-7.69
Mar 5 Trial 1	388.24	35.29	23.53	248.80	Nov 17 Trial 1	351.4	-1.54	274.67	46.15	Apr 4	364.71	11.76	102.42	86.15
Mar 5 Trial 2	308.82	-44.12	47.06	304.64	Nov 17 Trial 3	562.17	209.23	379.86	75.38	Apr 5	355.88	2.94	232.31	0.00
Apr 5 Trial 2	400.00	47.06	202.94	325.74	Nov 18 Trial 1	416.02	63.08	521.09	195.38					
Aug 6 Trial 1	397.06	44.12	120.59	214.73	Dec 6 Trial 1	549.86	196.92	521.37	510.77					
					Dec 17 Trial 1	359.09	6.15	387.15	-27.69					

Dry Runs	Turning distance from base (mm)	Turning height from wall (mm)	Block Height from wall (mm)	Block Dist from centre (mm)	No Fan Runs	NF Turning Distance from base (mm)	NF Turning height from wall (mm)	NF Block distance from centre (mm)	NF Block height from wall (mm)	Fan Runs	Fan Turning distance from base (mm)	Fan Turning distance from wall (mm)	Fan Block distance from centre (mm)	Fan Block height (mm)
Mar 2 Trial 1	352.94	0.00	158.82	224.76	Mar28 Trial 1	532.71	179.77	485.89	296.92	Mar 29	326.47	-26.47	353.88	187.69
Mar 2 Trial 2	305.88	-47.06	135.29	176.47	Mar28 Trial 2	508.82	155.88	220.88	70.77	Mar 30	258.82	-94.12	223.16	6.15
Mar 2 Trial 3	282.35	-70.59	-52.94	216.93	Apr4 Trial2	538.24	185.29	564.80	524.62	Apr 2	358.82	5.88	242.89	46.15
Mar 2 Trial 4	258.82	-94.12	-52.94	154.40	Aug 8 Trial1	667.65	314.71	470.54	140.00	Apr 3	335.29	-17.65	248.38	244.62
Mar 5 Trial 1	282.35	-70.59	117.65	155.30	Nov 17 Trial 1	423.71	70.77	531.48	404.62	Apr 4	332.35	-20.59	160.01	116.92
Mar 5 Trial 2	270.59	-82.35	-76.47	242.84	Nov 17 Trial 3	420.63	67.69	574.39	406.15	Apr 5	361.76	8.82	393.87	240.00
Apr 5 Trial 2	397.06	44.12	150.00	258.24	Nov 18 Trial 1	383.71	30.77	454.73	181.54					
Aug 6 Trial 1	373.53	20.59	147.06	349.90	Dec 6 Trial 1	403.71	50.77	406.17	110.77					
					Dec 17 Trial 1	397.56	44.62	306.32	156.92					

Dry Runs	Turning distance from base (mm)	Turning height from wall (mm)	Block Height from wall (mm)	Block Dist from centre (mm)	No Fan Runs	NF Turning Distance from base (mm)	NF Turning height from wall (mm)	NF Block distance from centre (mm)	NF Block height from wall (mm)	Fan Runs	Fan Turning distance from base (mm)	Fan Turning distance from wall (mm)	Fan Block distance from centre (mm)	Fan Block height (mm)
Mar 2 Trial 1	370.59	17.65	70.59	225.15	Mar28 Trial 1	757.56	404.62	469.24	469.23	Mar 29	332.35	-20.59	171.41	150.77
Mar 2 Trial 2	288.24	-64.71	23.53	231.29	Mar28 Trial 2	523.53	170.59	357.43	173.85	Mar 30	300.00	-52.94	95.95	63.08
Mar 2 Trial 3	417.65	64.71	129.41	236.61	Apr4 Trial2	552.94	200.00	236.19	215.38	Apr 2	352.94	0.00	159.15	46.15
Mar 2 Trial 4	311.76	-41.18	29.41	232.11	Aug 8 Trial1	520.59	167.65	339.21	50.77	Apr 3	367.65	14.71	492.50	463.08
Mar 5 Trial 1	352.94	0.00	47.06	53.27	Nov 17 Trial 1	534.48	181.54	370.32	175.38	Apr 4	320.59	-32.35	62.79	32.31
Mar 5 Trial 2	355.88	2.94	-2.94	182.38	Nov 17 Trial 3	594.48	241.54	245.81	-118.46	Apr 5	373.53	20.59	324.93	196.92
Apr 5 Trial 2	382.35	29.41	100.00	149.74	Nov 18 Trial 1	525.25	172.31	374.29	333.85					
Aug 6 Trial 1	350.00	-2.94	85.29	274.41	Dec 6 Trial 1	463.71	110.77	338.06	83.08					
					Dec 17 Trial 1	460.79	107.85	293.92	215.38					

Dry Runs	Turning distance from base (mm)	Turning height from wall (mm)	Block Height from wall (mm)	Block Dist from centre (mm)	No Fan Runs	NF Turning Distance from base (mm)	NF Turning height from wall (mm)	NF Block distance from centre (mm)	NF Block height from wall (mm)	Fan Runs	Fan Turning distance from base (mm)	Fan Turning distance from wall (mm)	Fan Block distance from centre (mm)	Fan Block height (mm)
Mar 2 Trial 1	405.88	52.94	70.59	197.74	Mar28 Trial 1	757.56	404.62	521.09	195.38	Mar 29	335.29	-17.65	244.32	-12.31
Mar 2 Trial 2	247.06	-105.88	-52.94	199.74	Mar28 Trial 2	629.41	276.47	520.18	120.00	Mar 30	347.06	-5.88	253.47	-12.31
Mar 2 Trial 3	300.00	-52.94	23.53	104.24	Apr4 Trial2	591.18	238.24	398.50	396.92	Apr 2	314.71	-38.24	154.13	126.15
Mar 2 Trial 4	311.76	-41.18	52.94	83.19	Aug 8 Trial1	700.00	347.06	271.14	126.15	Apr 3	370.59	17.65	153.63	113.85
Mar 5 Trial 1	305.88	-47.06	17.65	160.56	Nov 17 Trial 1	577.56	224.62	386.53	200.00	Apr 4	250.00	-102.94	123.08	73.85
Mar 5 Trial 2	370.59	17.65	76.47	229.96	Nov 17 Trial 3	622.17	269.23	201.87	50.77	Apr 5	323.53	-29.41	242.89	16.92
Apr 5 Trial 2	414.71	61.76	-29.41	134.43	Nov 18 Trial 1	471.4	118.46	396.32	240.00					
Aug 6 Trial 1	367.65	14.71	147.06	160.02	Dec 6 Trial 1	588.32	235.38	488.17	266.15					
					Dec 17 Trial 1	443.71	90.77	325.75	81.54					

Dry Runs	Turning distance from base (mm)	Turning height from wall (mm)	Block Height from wall (mm)	Block Dist from centre (mm)	No Fan Runs	NF Turning Distance from base (mm)	NF Turning height from wall (mm)	NF Block distance from centre (mm)	NF Block height from wall (mm)	Fan Runs	Fan Turning distance from base (mm)	Fan Turning distance from wall (mm)	Fan Block distance from centre (mm)	Fan Block height (mm)
Mar 2 Trial 1	276.47	-76.47	-35.29	196.33	Mar28 Trial 1	948.32	595.38	616.59	338.46	Mar 29	341.18	-11.76	221.58	95.38
Mar 2 Trial 2	358.82	5.88	52.94	121.13	Mar28 Trial 2	597.06	244.12	439.34	143.08	Mar 30	376.47	23.53	168.65	116.92
Mar 2 Trial 3	335.29	-17.65	0.00	123.67	Apr4 Trial2	511.76	158.82	238.86	13.85	Apr 2	382.35	29.41	111.97	-24.62
Mar 2 Trial 4	258.82	-94.12	-41.18	203.09	Aug 8 Trial1	720.59	367.65	544.85	469.23	Apr 3	350.00	-2.94	317.82	298.46
Mar 5 Trial 1	264.71	-88.24	-41.18	42.42	Nov 17 Trial 1	432.94	80.00	219.53	93.85	Apr 4	270.59	-82.35	36.05	-23.08
Mar 5 Trial 2	302.94	-50.00	58.82	160.66	Nov 17 Trial 3	568.32	215.38	598.23	593.85	Apr 5	364.71	11.76	110.94	61.54
Apr 5 Trial 2	335.29	-17.65	91.18	99.87	Nov 18 Trial 1	446.79	93.85	382.26	144.62					
Aug 6 Trial 1	402.94	50.00	226.47	235.97	Dec 6 Trial 1	528.32	175.38	400.64	190.77					
					Dec 17 Trial 1	520.63	167.69	344.48	332.31					

Dry Runs	Turning distance from base (mm)	Turning height from wall (mm)	Block Height from wall (mm)	Block Dist from centre (mm)	No Fan Runs	NF Turning Distance from base (mm)	NF Turning height from wall (mm)	NF Block distance from centre (mm)	NF Block height from wall (mm)	Fan Runs	Fan Turning distance from base (mm)	Fan Turning distance from wall (mm)	Fan Block distance from centre (mm)	Fan Block height (mm)
Mar 2 Trial 1	352.94	0.00	0.00	188.33	Mar28 Trial 1	777.56	424.62	528.68	441.54	Mar 29	285.29	-67.65	275.38	267.69
Mar 2 Trial 2	294.12	-58.82	-58.82	218.28	Mar28 Trial 2	608.82	255.88	246.79	150.77	Mar 30	317.65	-35.29	16.06	15.38
Mar 2 Trial 3	276.47	-76.47	-47.06	58.23	Apr4 Trial2	544.12	191.18	334.44	333.85	Apr 2	347.06	-5.88	172.32	170.77
Mar 2 Trial 4	288.24	-64.71	-17.65	21.21	Aug 8 Trial1	700.00	347.06	553.65	293.85	Apr 3	332.35	-20.59	125.00	-29.23
Mar 5 Trial 1					Nov 17 Trial 1	794.48	441.54	371.15	253.85	Apr 4	273.53	-79.41	151.40	-13.85
Mar 5 Trial 2	350.00	-2.94	208.82	219.19	Nov 17 Trial 3	479.09	126.15	454.11	260.00	Apr 5	270.59	-82.35	221.37	67.69
Apr 5 Trial 2	367.65	14.71	52.94	77.20	Nov 18 Trial 1	439.09	86.15	312.31	121.54					
Aug 6 Trial 1	358.82	5.88	150.00	212.30	Dec 6 Trial 1	560.63	207.69	477.60	333.85					
					Dec 17 Trial 1	579.09	226.15	426.64	364.62					

Dry Runs	Turning distance from base (mm)	Turning height from wall (mm)	Block Height from wall (mm)	Block Dist from centre (mm)	No Fan Runs	NF Turning Distance from base (mm)	NF Turning height from wall (mm)	NF Block distance from centre (mm)	NF Block height from wall (mm)	Fan Runs	Fan Turning distance from base (mm)	Fan Turning distance from wall (mm)	Fan Block distance from centre (mm)	Fan Block height (mm)
Mar 2 Trial 1	376.47	23.53	70.59	145.28	Mar28 Trial 1	717.56	364.62	733.23	521.54	Mar 29	300.00	-52.94	126.91	-64.62
Mar 2 Trial 2	352.94	0.00	0.00	35.78	Mar28 Trial 2	711.76	358.82	329.67	236.92	Mar 30				
Mar 2 Trial 3	235.29	-117.65	-64.71	79.14	Apr4 Trial2	602.94	250.00	500.62	475.38	Apr 2	326.47	-26.47	105.57	100.00
Mar 2 Trial 4	282.35	-70.59	-41.18	106.05	Aug 8 Trial1	650.00	297.06	596.16	424.62	Apr 3	305.88	-47.06	179.64	158.46
Mar 5 Trial 1					Nov 17 Trial 1	996.02	643.08	598.45	589.23	Apr 4	250.00	-102.94	78.45	-52.31
Mar 5 Trial 2	414.71	61.76	108.82	191.18	Nov 17 Trial 3	483.71	130.77	375.26	352.31	Apr 5	247.06	-105.88	59.19	-27.69
Apr 5 Trial 2					Nov 18 Trial 1	456.02	103.08	231.99	96.92					
Aug 6 Trial 1	367.65	14.71	135.29	144.84	Dec 6 Trial 1	588.32	235.38	361.85	215.38					
					Dec 17 Trial 1	525.25	172.31	370.46	296.92					

Dry Runs	Turning distance from base (mm)	Turning height from wall (mm)	Block Height from wall (mm)	Block Dist from centre (mm)	No Fan Runs	NF Turning Distance from base (mm)	NF Turning height from wall (mm)	NF Block distance from centre (mm)	NF Block height from wall (mm)	Fan Runs	Fan Turning distance from base (mm)	Fan Turning distance from wall (mm)	Fan Block distance from centre (mm)	Fan Block height (mm)
Mar 2 Trial 1	364.71	11.76	41.18	126.71	Mar28 Trial 1	706.79	353.85	657.07	463.08	Mar 29	323.53	-29.41	16.06	-4.62
Mar 2 Trial 2					Mar28 Trial 2	608.82	255.88	550.07	215.38	Mar 30				
Mar 2 Trial 3					Apr4 Trial2	638.24	285.29	430.30	396.92	Apr 2	305.88	-47.06	101.74	35.38
Mar 2 Trial 4	276.47	-76.47	-82.35	80.01	Aug 8 Trial1	652.94	300.00	506.27	312.31	Apr 3	335.29	-17.65	58.97	56.92
Mar 5 Trial 1					Nov 17 Trial 1	769.86	416.92	593.11	527.69	Apr 4	244.12	-108.82	150.69	-96.92
Mar 5 Trial 2	258.82	-94.12	123.53	151.83	Nov 17 Trial 3	549.86	196.92	557.69	463.08	Apr 5	258.82	-94.12	154.61	-104.62
Apr 5 Trial 2					Nov 18 Trial 1	631.4	278.46	286.27	195.38					
Aug 6 Trial 1	385.29	32.35	41.18	194.03	Dec 6 Trial 1	571.4	218.46	347.41	233.85					
					Dec 17 Trial 1	597.56	244.62	259.18	238.46					

Dry Runs		Turning distance from base (mm)	Turning height from wall (mm)	Block Height from wall (mm)	Block Dist from centre (mm)	No Fan Runs	NF Turning Distance from base (mm)	NF Turning height from wall (mm)	NF Block distance from centre (mm)	NF Block height from wall (mm)	Fan Runs	Fan Turning distance from base (mm)	Fan Turning distance from wall (mm)	Fan Block distance from centre (mm)	Fan Block height (mm)	
Mar 2 Trial 1	352.94	0.00	129.41	145.28	Mar28 Trial 1		736.02	383.08	570.54	386.15	Mar 29					
Mar 2 Trial 2					Mar28 Trial 2		750.00	397.06	357.99	333.85	Mar 30					
Mar 2 Trial 3					Apr4 Trial2		714.71	361.76	405.54	389.23	Apr 2					
Mar 2 Trial 4					Aug 8 Trial1		720.59	367.65	471.98	396.92	Apr 3	4.22	30.77	-1.54		
Mar 5 Trial 1					Nov 17 Trial 1		794.48	441.54	497.09	424.62	Apr 4					
Mar 5 Trial 2	302.94	-50.00	100.00	105.92	Nov 17 Trial 3		568.32	215.38	525.32	518.46	Apr 5					
Apr 5 Trial 2					Nov 18 Trial 1		646.79	293.85	287.80	30.77						
Aug 6 Trial 1	444.12	91.18	120.59	267.13	Dec 6 Trial 1		479.09	126.15	248.64	52.31						
					Dec 17 Trial 1		602.17	249.23	300.28	215.38						

Dry (distance)	Dry (angle)	Fan (distance)	Fan (angle)		Min distance Dry	Min Distance Fan	Dry (height)	Fan (height)
379.7649974	16.18920626	241.54	65.81		151.8342294	35.38	100	0
280.4469986	9.659893078	275.22	50.67		51.36543881	159.60	41.17647059	-152.3076923
325.6614244	16.79837178	227.20	60.26		109.4576122	68.96	88.23529412	-43.07692308
311.0980664	164.6498635	333.12	-42.15		89.59733066	75.13	76.47058824	50.76923077
293.0569108	169.5922887	337.66	-53.02		57.93445766	113.58	47.05882353	103.0769231
295.5845771	174.2894069	194.66	55.30		41.59451654	114.82	23.52941176	-66.15384615
170.5882353	180	234.98	-5.52		94.11764706	89.61455926	-5.882352941	-73.84615385
307.0255785	4.945966547	236.51	63.03		56.574659	47.51829296	20.58823529	-23.07692308
326.7222136	13.53585637	384.83	156.23		98.30	394.5576506	70.58823529	364.6153846
249.7057091	43.09084757	160.60	37.03		185.76	259.8907372	164.7058824	-147.6923077
263.0668209	169.6951535	270.16	-26.57		47.43	68.80209162	41.17647059	67.69230769
295.5845771	148.8406955	341.11	-59.47		153.39	133.3057171	147.0588235	126.1538462
286.8514198	151.8583988	321.9357134	-41.83963837		135.80	76.81530913	129.4117647	64.61538462
372.7991936	9.536635758	660.1864538	-117.2736201		127.70	461.9510976	55.88235294	375.3846154
209.4026766	-10.52078431	315.1406186	147.8042661		62.94	308.3838383	-44.11764706	280
340.8213162	21.25050551	393.2988986	-88.19126068		138.11	204.3896962	117.6470588	192.3076923
303.6684588	171.085073	218.5481952	14.62087399		58.82352941	158.1550434	41.17647059	126.1538462
287.2733046	169.3803447	151.5208893	64.6758186		55.80489989	133.5894975	47.05882353	33.84615385
275.7186269	11.07020258	500.1514564	-101.6649204		54.94571086	294.4255263	47.05882353	246.1538462
156.9607537	12.99461679	317.9110813	-37.04922657		108.8235294	57.66666097	29.41176471	40
228.807651	133.9583733	276.1227752	115.4633451		195.8037291	363.1192935	158.8235294	273.8461538
313.3284866	170.2724214	33.03217008	47.27044967		68.91396773	260.1092169	47.05882353	29.23076923
272.8327624	168.8112001	265.2095298	104.2025588		53.02281287	343.5870647	47.05882353	260
370.4014469	169.9393102	302.4945596	-34.50852299		119.108569	55.04167329	58.82352941	49.23076923
254.0332104	5.31454567	424.0910921	-92.00955381		23.71	225.6876409	17.64705882	203.0769231
160.556989	28.44292862	158.5809856	60.2551187		137.86	118.6212709	70.58823529	-6.153846154
287.7547014	40.85537626	348.9731344	81.65830156		192.08	130.2977927	182.3529412	120
192.3268556	66.57130719	389.4587353	-136.1233027		251.66	276.9230769	170.5882353	276.9230769
185.2007234	159.5504524	278.8055673	114.0071466		111.80	380.9735272	58.82352941	278.4615385
269.2582404	139.8738964	89.50885051	60.80968848		183.23	203.0827505	167.6470588	43.07692308
273.4186999	11.79342968	188.9240792	3.012787504		57.11	88.80535194	50	21.53846154
328.9124367	35.53767779	592.7570723	-115.7099538		191.54	399.0580625	185.2941176	336.9230769
227.2903422	10.43747535	317.8217282	-49.18491613		52.37	111.9699875	35.29411765	109.2307692
129.1441082	30.06858282	235.5102731	-10.64566334		157.98	39.22322703	58.82352941	-7.692307692

235.4411305	-167.0053832	102.4204122	51.95295747		63.63	234.8359619		-58.82352941	86.15384615
137.1988681	59.03624347	232.3076923	-10.18662976		219.49	41.53846154		111.7647059	0
41.59451654	135	353.8762529	-84.88268515		237.13	189.51		23.52941176	187.6923077
245.7950872	158.962489	223.1617876	-7.806400829		95.03	51.14		82.35294118	6.153846154
349.5548331	22.24902366	242.8869754	-15.40342496		148.64	58.16		126.4705882	46.15384615
407.9656679	155.2825591	248.3793625	107.2234362		200.78	336.29		164.7058824	244.6153846
274.2085181	54.60520416	160.0073963	75.35568736		243.6920457	204.43		217.6470588	116.9230769
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158.3872002	-164.9315118	171.4056057	80.58901808		119.108569	246.7924409		-47.05882353	150.7692308
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248.8033645	6.788974574	159.1471352	16.48445319		30.70678385	130.0068273		23.52941176	46.15384615
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224.7643903	47.1210964	244.3200927	-9.865806943		194.2290233	141.7389884		158.8235294	-12.30769231
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242.8386053	-16.89864869	242.8869754	26.56505118		74.40653318	188.1520221		-76.47058824	16.92307692
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