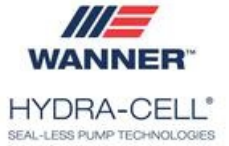


# P600

## Doseringspump

### P600MSETTB07C PUMP WITH GEARBOX AND BASEPLATE



- Flöde 15 - 3300 l/h
- Tryck max. 70 bar
- Plast eller metallutförande
- Tätningslös och klarar torrkörning

### Produktinformation

Wanner HydraCell är en serie mycket robusta membranpumpar speciellt lämpade för dosering även vid höga tryck och svåra pumpmedier, som också kan vara slitande.

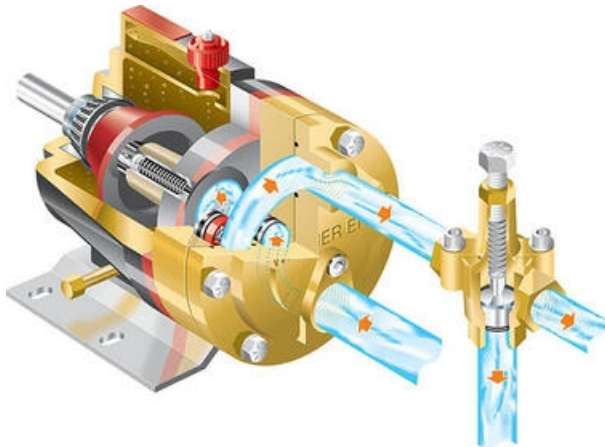
Pumparna har ingen genomgående axel med tätningar och mediet kommer aldrig i kontakt med mekanismen.

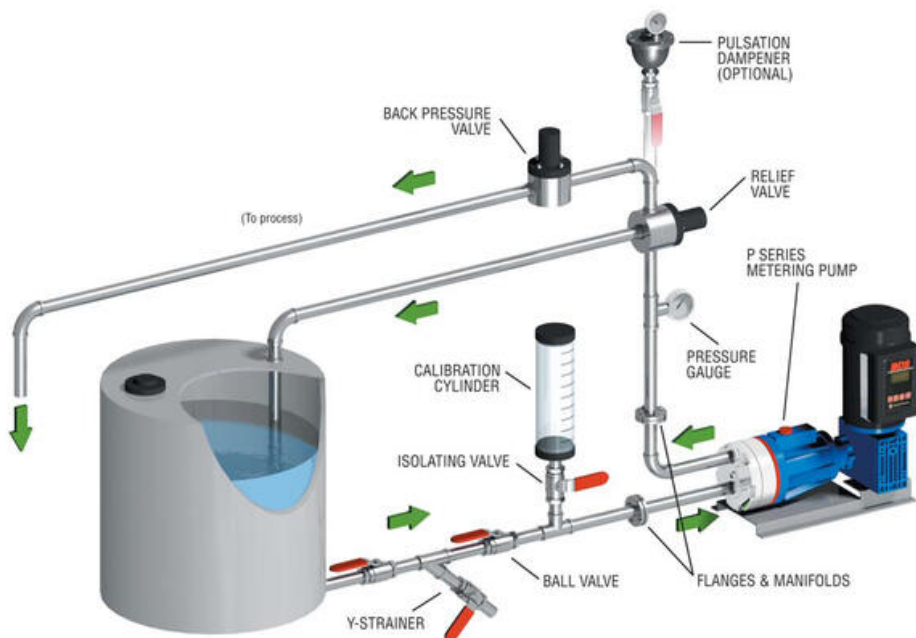
Membranen är avlastade med jämnt tryck över hela ytan, vilket ger dem mycket lång livslängd.

HydraCell-pumparna som arbetar enligt förträngningsprincipen, är självsugande, energisnåla och torrkörningssäkra.

Hydra-Cell pumparna möter de flesta och överträffar flara av kraven i standarden för doseringspumpar API 675.

De finns i många olika materialkombinationer och går även att få i ATEX-utförande för explosionsfarlig miljö.





Exempel på installation

Pumphus	Mässing, Gjutjärn, 316L, Hastelloy C, Polypropylen, Kynar
Membran O-ringar	Aflas, EPDM, FKM, PTFE, Neoprene, Buna-N
Ventilsäten	Nitronic 50, Hastelloy C, Keramik
Ventiler	Nitronic 50, Hastelloy C, Keramik
Fjäder	Elgiloy, Hastelloy C
Fjäderhållare	Polypropylen, PVDF, Hastelloy C
Flöde	115 - 3300 l/h
Tryck metallutförande	Max. 70 bar
Tryck plastutförande	Polypropylen Max. 17 bar, Kynar Max. 24 bar
Inloppstryck	Max. 17 bar
Temperatur*	Max. +120 °C (Beroende på materialval m.m.)*
Partikelstorlek	Max. 0,8 mm
Viskositet**	Max. 4000 cP (Beroende på installation och varvtal)**
ATEX***	EEx II 2G k ia IIB T4 (max. mediatemp. 90 °C, omgivningstemp - 10 till 40 °C) EEx II 3G k IIC T4 (max. mediatemp. 90 °C, omgivningstemp - 10 till 40 °C)
Kel-Cell	Nej
Anslutningar (In/Ut)	1/2" BSPT / 3/8" BSPT (NPT eller flänsar på förfrågan)
Rotationsriktning	Valfri
Oljevolym hydrauldel	ca. 3,1 l (Oljenivån skall vara ca. 1 - 2 cm under helt fylld hydrauldel)
Vikt metallutförande	64 kg
Vikt plastutförande	48 kg

\* För applikationer där temperaturen går under +10 eller över +80°C kontakta oss.

\*\* Vid viskositeter över 500 cP kontakta oss.

\*\*\* För applikationer i explosionsfarlig miljö kontakta oss.

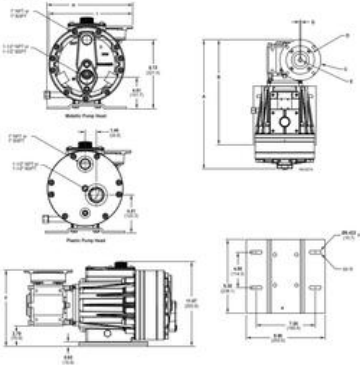
;

## Teknisk data

<b>Flöde max</b>	1120 l/h
<b>Tryck max</b>	69 bar
<b>Systemtryck max</b>	17 bar
<b>Anslutning inlopp</b>	1 1/2" BSPT
<b>Anslutning utlopp</b>	1" BSPT
<b>Material Bottenplatta</b>	Epoxylackerat stål
<b>Material Fjäderhållare</b>	Hastelloy C
<b>Material Membran</b>	EPDM
<b>Material Pumphus</b>	SS 316L
<b>Material Ventiler</b>	Hastelloy C
<b>Material Ventilfjädrar</b>	Hastelloy C
<b>Material Ventilsäten</b>	Hastelloy C
<b>Axeldimension</b>	Hålaxel 19 mm
<b>Rotation</b>	Valfri
<b>Utväxling</b>	7,5:1 - IEC 80-B5
<b>Temperaturområde till</b>	120 °C
<b>Viskositet max</b>	4000 cP
<b>Olja</b>	Livsmedelsolja H1 (K)
<b>Oljevolym Hydrauldel</b>	3,1 l
<b>1098_Particle size (mm)</b>	Max. 0,8mm
<b>Vikt</b>	66 kg

## P600 Dimensions

P600 Models - F63

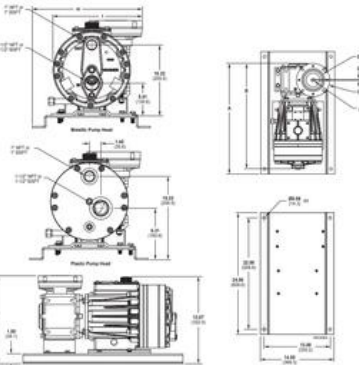


Dimensions in Inches (Millimeters)

Input Frame Size	A	B	C	D	E	F	G (Shaft Height)	H	I
NEHA SEC	20.00 (508.0)	21.00 (533.4)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
NEHA	20.00 (508.0)	21.00 (533.4)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
NEHA	21.00 (533.4)	22.00 (558.8)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 63-80	20.00 (508.0)	21.00 (533.4)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 71-80	20.00 (508.0)	21.00 (533.4)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 80-80	20.00 (508.0)	21.00 (533.4)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 90-80	20.00 (508.0)	21.00 (533.4)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 100-80	20.00 (508.0)	21.00 (533.4)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)

## P600 Dimensions (Cont'd)

P600 Models - F75

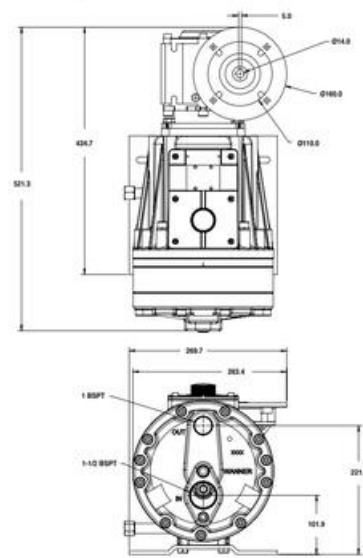


Dimensions in Inches (Millimeters)

Input Frame Size	A	B	C	D	E	F	G (Shaft Height)	H	I
NEHA SEC	21.00 (533.4)	22.00 (558.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
NEHA	21.00 (533.4)	22.00 (558.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
NEHA	22.00 (558.8)	23.00 (584.2)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 75-80	21.00 (533.4)	22.00 (558.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 85-80	21.00 (533.4)	22.00 (558.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 95-80	21.00 (533.4)	22.00 (558.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 105-80	21.00 (533.4)	22.00 (558.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 115-80	21.00 (533.4)	22.00 (558.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)

## Representative Drawings (mm)

Metallic Pump Heads



## Performance - Flow Capacities and Pressure Ratings

For Synchronous Speed, Self-cooled Motors  
Lhr Maximum Flow at Designated Pressure

Lhr All Pumps 7 Bar	Lhr Metallic Pump Heads Only 6.5 Bar	Pump RPM	Gear Ratio	Motor BPM
115.1	113.9	1175	25	601.1
185.5	183.2	1160	30	521.1
173.5	172.0	1148	37.5	481.1
232.0	230.2	1170	50	361.1
238.0	236.2	1170	60	301.1
340.2	338.5	1160	75	241.1
454.3	452.5	1152	100	181.1
700.5	698.7	1164	150	121.1
1142.7	1140.9	1170	300	61.1
1872	1870	N/A	400	35.1
2800	2798	N/A	600	23.1

For 10:1 Turndown, Self-cooled Motors  
Lhr Maximum Flow at Designated Pressure

Lhr All Pumps 7 Bar	Lhr Metallic Pump Heads Only 6.5 Bar	Pump RPM	Gear Ratio	Motor BPM
115.1	113.9	1175	25	601.1
185.5	183.2	1160	30	521.1
173.5	172.0	1148	37.5	481.1
232.0	230.2	1170	50	361.1
238.0	236.2	1170	60	301.1
340.2	338.5	1160	75	241.1
454.3	452.5	1152	100	181.1
700.5	698.7	N/A	150	121.1
1142.7	1140.9	N/A	300	61.1
1872	1870	N/A	400	35.1
2800	2798	N/A	600	23.1

## P600 Specifications (Cont'd)

Performance Maximum Flow at Designated Pressure - Imperial \*

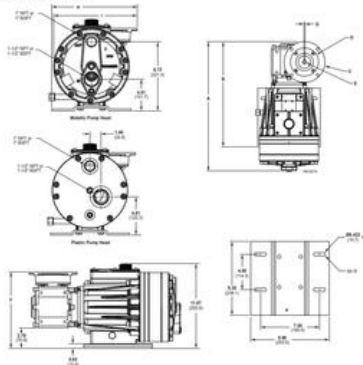
Flow	12 Bar	10 Bar	8 Bar	6 Bar	Motor
100 gpm	200 gpm	300 gpm	400 gpm	500 gpm	600 gpm
100 gpm	100 gpm	100 gpm	100 gpm	100 gpm	100 gpm

Performance Maximum Flow at Designated Pressure - Metric \*

Flow	12 Bar	10 Bar	8 Bar	6 Bar	Motor
100 gpm	100 gpm	100 gpm	100 gpm	100 gpm	100 gpm
100 gpm	100 gpm	100 gpm	100 gpm	100 gpm	100 gpm

## P600 Dimensions

P600 Models - F63

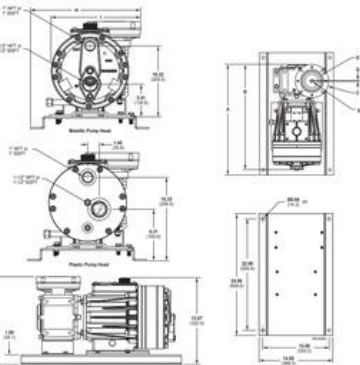


Dimensions in Inches (Millimeters)

Input Frame Size	A	B	C	D	E	F	G (Shaft Height)	H	I
NEHA SEC	20.00 (508.0)	21.00 (533.4)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
NEHA	20.00 (508.0)	21.00 (533.4)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
NEHA	21.00 (533.4)	22.00 (558.8)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 63-80	20.00 (508.0)	21.00 (533.4)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 71-80	20.00 (508.0)	21.00 (533.4)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 80-80	20.00 (508.0)	21.00 (533.4)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 90-80	20.00 (508.0)	21.00 (533.4)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 100-80	20.00 (508.0)	21.00 (533.4)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	16.50 (417.7)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)

## P600 Dimensions (Cont'd)

P600 Models - F75

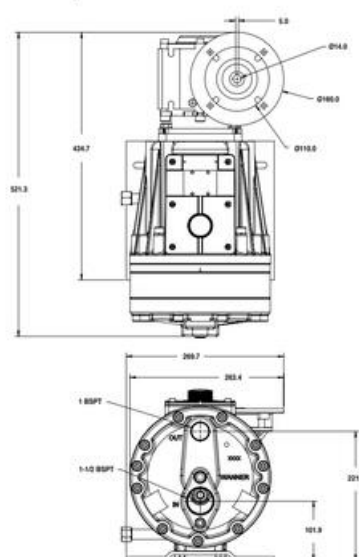


Dimensions in Inches (Millimeters)

Input Frame Size	A	B	C	D	E	F	G (Shaft Height)	H	I
NEHA SEC	21.00 (533.4)	22.00 (558.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
NEHA	21.00 (533.4)	22.00 (558.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
NEHA	22.00 (558.8)	23.00 (584.2)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 75-80	21.00 (533.4)	22.00 (558.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 85-80	21.00 (533.4)	22.00 (558.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 95-80	21.00 (533.4)	22.00 (558.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 105-80	21.00 (533.4)	22.00 (558.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)
SEC 115-80	21.00 (533.4)	22.00 (558.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	17.00 (431.8)	8.00 (203.2)	16.75 (425.4)	15.00 (381.0)

## Representative Drawings (mm)

Metallic Pump Heads



## Performance - Flow Capacities and Pressure Ratings

For Synchronous Speed, Self-cooled Motors  
Lhr Maximum Flow at Designated Pressure

Lhr All Pumps 7 Bar	Lhr Metallic Pump Heads Only 6.5 Bar	Pump RPM	Gear Ratio	Motor BPM
115.1	113.9	1175	25	601.1
185.5	183.2	1160	30	521.1
173.5	172.0	1148	37.5	481.1
232.0	230.2	1170	50	361.1
238.0	236.2	1170	60	301.1
340.2	338.5	1160	75	241.1
454.3	452.5	1152	100	181.1
700.5	698.7	N/A	150	121.1
1142.7	1140.9	N/A	300	61.1
1872	1870	N/A	400	35.1
2800	2798	N/A	600	23.1

For 10:1 Turndown, Self-cooled Motors  
Lhr Maximum Flow at Designated Pressure

Lhr All Pumps 7 Bar	Lhr Metallic Pump Heads Only 6.5 Bar	Pump RPM	Gear Ratio	Motor BPM
115.1	113.9	1175	25	601.1
185.5	183.2	1160	30	521.1
173.5	172.0	1148	37.5	481.1
232.0	230.2	1170	50	361.1
238.0	236.2	1170	60	301.1
340.2	338.5	1160	75	241.1
454.3	452.5	1152	100	181.1
700.5	698.7	N/A	150	121.1
1142.7	1140.9	N/A	300	61.1
1872	1870	N/A	400	35.1
2800	2798	N/A	600	23.1

# P600 Specifications (Cont'd)

## Performance Maximum Flow at Designated Pressure - Imperial \*

Alt Pump Heads (gpm)	Metric Pump Heads (gpm)	Pump	Discharge	Motor
1000 psi	689 psi	1000 psi	gpm	rpm
34.4 (12.2)	24.1 (8.6)	200	10.0 (3.8)	30
43.0 (15.2)	30.4 (10.9)	40	10.0 (3.8)	30
51.6 (18.1)	36.7 (13.1)	60	10.0 (3.8)	48
60.2 (21.1)	43.0 (15.4)	80	10.0 (3.8)	60
68.8 (24.1)	49.3 (17.6)	100	10.0 (3.8)	75
77.4 (27.1)	55.6 (19.8)	120	10.0 (3.8)	90
86.0 (30.1)	61.9 (22.0)	140	10.0 (3.8)	105
94.6 (33.1)	68.2 (24.2)	160	10.0 (3.8)	120
103.2 (36.1)	74.5 (26.4)	180	10.0 (3.8)	135
111.8 (39.1)	80.8 (28.6)	200	10.0 (3.8)	150
120.4 (42.1)	87.1 (30.8)	220	10.0 (3.8)	165
129.0 (45.1)	93.4 (33.0)	240	10.0 (3.8)	180
137.6 (48.1)	99.7 (35.2)	260	10.0 (3.8)	195
146.2 (51.1)	106.0 (37.4)	280	10.0 (3.8)	210
154.8 (54.1)	112.3 (39.6)	300	10.0 (3.8)	225
163.4 (57.1)	118.6 (41.8)	320	10.0 (3.8)	240
172.0 (60.1)	124.9 (44.0)	340	10.0 (3.8)	255
180.6 (63.1)	131.2 (46.2)	360	10.0 (3.8)	270
189.2 (66.1)	137.5 (48.4)	380	10.0 (3.8)	285
197.8 (69.1)	143.8 (50.6)	400	10.0 (3.8)	300
206.4 (72.1)	150.1 (52.8)	420	10.0 (3.8)	315
215.0 (75.1)	156.4 (55.0)	440	10.0 (3.8)	330
223.6 (78.1)	162.7 (57.2)	460	10.0 (3.8)	345
232.2 (81.1)	169.0 (59.4)	480	10.0 (3.8)	360
240.8 (84.1)	175.3 (61.6)	500	10.0 (3.8)	375
249.4 (87.1)	181.6 (63.8)	520	10.0 (3.8)	390
258.0 (90.1)	187.9 (66.0)	540	10.0 (3.8)	405
266.6 (93.1)	194.2 (68.2)	560	10.0 (3.8)	420
275.2 (96.1)	200.5 (70.4)	580	10.0 (3.8)	435
283.8 (99.1)	206.8 (72.6)	600	10.0 (3.8)	450
292.4 (102.1)	213.1 (74.8)	620	10.0 (3.8)	465
301.0 (105.1)	219.4 (77.0)	640	10.0 (3.8)	480
309.6 (108.1)	225.7 (79.2)	660	10.0 (3.8)	495
318.2 (111.1)	232.0 (81.4)	680	10.0 (3.8)	510
326.8 (114.1)	238.3 (83.6)	700	10.0 (3.8)	525
335.4 (117.1)	244.6 (85.8)	720	10.0 (3.8)	540
344.0 (120.1)	250.9 (88.0)	740	10.0 (3.8)	555
352.6 (123.1)	257.2 (90.2)	760	10.0 (3.8)	570
361.2 (126.1)	263.5 (92.4)	780	10.0 (3.8)	585
369.8 (129.1)	269.8 (94.6)	800	10.0 (3.8)	600
378.4 (132.1)	276.1 (96.8)	820	10.0 (3.8)	615
387.0 (135.1)	282.4 (99.0)	840	10.0 (3.8)	630
395.6 (138.1)	288.7 (101.2)	860	10.0 (3.8)	645
404.2 (141.1)	295.0 (103.4)	880	10.0 (3.8)	660
412.8 (144.1)	301.3 (105.6)	900	10.0 (3.8)	675
421.4 (147.1)	307.6 (107.8)	920	10.0 (3.8)	690
430.0 (150.1)	313.9 (110.0)	940	10.0 (3.8)	705
438.6 (153.1)	320.2 (112.2)	960	10.0 (3.8)	720
447.2 (156.1)	326.5 (114.4)	980	10.0 (3.8)	735
455.8 (159.1)	332.8 (116.6)	1000	10.0 (3.8)	750
464.4 (162.1)	339.1 (118.8)	1020	10.0 (3.8)	765
473.0 (165.1)	345.4 (121.0)	1040	10.0 (3.8)	780
481.6 (168.1)	351.7 (123.2)	1060	10.0 (3.8)	795
490.2 (171.1)	358.0 (125.4)	1080	10.0 (3.8)	810
498.8 (174.1)	364.3 (127.6)	1100	10.0 (3.8)	825
507.4 (177.1)	370.6 (129.8)	1120	10.0 (3.8)	840
516.0 (180.1)	376.9 (132.0)	1140	10.0 (3.8)	855
524.6 (183.1)	383.2 (134.2)	1160	10.0 (3.8)	870
533.2 (186.1)	389.5 (136.4)	1180	10.0 (3.8)	885
541.8 (189.1)	395.8 (138.6)	1200	10.0 (3.8)	900
550.4 (192.1)	402.1 (140.8)	1220	10.0 (3.8)	915
559.0 (195.1)	408.4 (143.0)	1240	10.0 (3.8)	930
567.6 (198.1)	414.7 (145.2)	1260	10.0 (3.8)	945
576.2 (201.1)	421.0 (147.4)	1280	10.0 (3.8)	960
584.8 (204.1)	427.3 (149.6)	1300	10.0 (3.8)	975
593.4 (207.1)	433.6 (151.8)	1320	10.0 (3.8)	990
602.0 (210.1)	439.9 (154.0)	1340	10.0 (3.8)	1005
610.6 (213.1)	446.2 (156.2)	1360	10.0 (3.8)	1020
619.2 (216.1)	452.5 (158.4)	1380	10.0 (3.8)	1035
627.8 (219.1)	458.8 (160.6)	1400	10.0 (3.8)	1050
636.4 (222.1)	465.1 (162.8)	1420	10.0 (3.8)	1065
645.0 (225.1)	471.4 (165.0)	1440	10.0 (3.8)	1080
653.6 (228.1)	477.7 (167.2)	1460	10.0 (3.8)	1095
662.2 (231.1)	484.0 (169.4)	1480	10.0 (3.8)	1110
670.8 (234.1)	490.3 (171.6)	1500	10.0 (3.8)	1125
679.4 (237.1)	496.6 (173.8)	1520	10.0 (3.8)	1140
688.0 (240.1)	502.9 (176.0)	1540	10.0 (3.8)	1155
696.6 (243.1)	509.2 (178.2)	1560	10.0 (3.8)	1170
705.2 (246.1)	515.5 (180.4)	1580	10.0 (3.8)	1185
713.8 (249.1)	521.8 (182.6)	1600	10.0 (3.8)	1200
722.4 (252.1)	528.1 (184.8)	1620	10.0 (3.8)	1215
731.0 (255.1)	534.4 (187.0)	1640	10.0 (3.8)	1230
739.6 (258.1)	540.7 (189.2)	1660	10.0 (3.8)	1245
748.2 (261.1)	547.0 (191.4)	1680	10.0 (3.8)	1260
756.8 (264.1)	553.3 (193.6)	1700	10.0 (3.8)	1275
765.4 (267.1)	559.6 (195.8)	1720	10.0 (3.8)	1290
774.0 (270.1)	565.9 (198.0)	1740	10.0 (3.8)	1305
782.6 (273.1)	572.2 (200.2)	1760	10.0 (3.8)	1320
791.2 (276.1)	578.5 (202.4)	1780	10.0 (3.8)	1335
799.8 (279.1)	584.8 (204.6)	1800	10.0 (3.8)	1350
808.4 (282.1)	591.1 (206.8)	1820	10.0 (3.8)	1365
817.0 (285.1)	597.4 (209.0)	1840	10.0 (3.8)	1380
825.6 (288.1)	603.7 (211.2)	1860	10.0 (3.8)	1395
834.2 (291.1)	610.0 (213.4)	1880	10.0 (3.8)	1410
842.8 (294.1)	616.3 (215.6)	1900	10.0 (3.8)	1425
851.4 (297.1)	622.6 (217.8)	1920	10.0 (3.8)	1440
860.0 (300.1)	628.9 (220.0)	1940	10.0 (3.8)	1455
868.6 (303.1)	635.2 (222.2)	1960	10.0 (3.8)	1470
877.2 (306.1)	641.5 (224.4)	1980	10.0 (3.8)	1485
885.8 (309.1)	647.8 (226.6)	2000	10.0 (3.8)	1500
894.4 (312.1)	654.1 (228.8)	2020	10.0 (3.8)	1515
903.0 (315.1)	660.4 (231.0)	2040	10.0 (3.8)	1530
911.6 (318.1)	666.7 (233.2)	2060	10.0 (3.8)	1545
920.2 (321.1)	673.0 (235.4)	2080	10.0 (3.8)	1560
928.8 (324.1)	679.3 (237.6)	2100	10.0 (3.8)	1575
937.4 (327.1)	685.6 (239.8)	2120	10.0 (3.8)	1590
946.0 (330.1)	691.9 (242.0)	2140	10.0 (3.8)	1605
954.6 (333.1)	698.2 (244.2)	2160	10.0 (3.8)	1620
963.2 (336.1)	704.5 (246.4)	2180	10.0 (3.8)	1635
971.8 (339.1)	710.8 (248.6)	2200	10.0 (3.8)	1650
980.4 (342.1)	717.1 (250.8)	2220	10.0 (3.8)	1665
989.0 (345.1)	723.4 (253.0)	2240	10.0 (3.8)	1680
997.6 (348.1)	729.7 (255.2)	2260	10.0 (3.8)	1695
1006.2 (351.1)	736.0 (257.4)	2280	10.0 (3.8)	1710
1014.8 (354.1)	742.3 (259.6)	2300	10.0 (3.8)	1725
1023.4 (357.1)	748.6 (261.8)	2320	10.0 (3.8)	1740
1032.0 (360.1)	754.9 (264.0)	2340	10.0 (3.8)	1755
1040.6 (363.1)	761.2 (266.2)	2360	10.0 (3.8)	1770
1049.2 (366.1)	767.5 (268.4)	2380	10.0 (3.8)	1785
1057.8 (369.1)	773.8 (270.6)	2400	10.0 (3.8)	1800
1066.4 (372.1)	780.1 (272.8)	2420	10.0 (3.8)	1815
1075.0 (375.1)	786.4 (275.0)	2440	10.0 (3.8)	1830
1083.6 (378.1)	792.7 (277.2)	2460	10.0 (3.8)	1845
1092.2 (381.1)	799.0 (279.4)	2480	10.0 (3.8)	1860
1100.8 (384.1)	805.3 (281.6)	2500	10.0 (3.8)	1875
1109.4 (387.1)	811.6 (283.8)	2520	10.0 (3.8)	1890
1118.0 (390.1)	817.9 (286.0)	2540	10.0 (3.8)	1905
1126.6 (393.1)	824.2 (288.2)	2560	10.0 (3.8)	1920
1135.2 (396.1)	830.5 (290.4)	2580	10.0 (3.8)	1935
1143.8 (399.1)	836.8 (292.6)	2600	10.0 (3.8)	1950
1152.4 (402.1)	843.1 (294.8)	2620	10.0 (3.8)	1965
1161.0 (405.1)	849.4 (297.0)	2640	10.0 (3.8)	1980
1169.6 (408.1)	855.7 (299.2)	2660	10.0 (3.8)	1995
1178.2 (411.1)	862.0 (301.4)	2680	10.0 (3.8)	2010
1186.8 (414.1)	868.3 (303.6)	2700	10.0 (3.8)	2025
1195.4 (417.1)	874.6 (305.8)	2720	10.0 (3.8)	2040
1204.0 (420.1)	880.9 (308.0)	2740	10.0 (3.8)	2055
1212.6 (423.1)	887.2 (310.2)	2760	10.0 (3.8)	2070
1221.2 (426.1)	893.5 (312.4)	2780	10.0 (3.8)	2085
1229.8 (429.1)	899.8 (314.6)	2800	10.0 (3.8)	2100
1238.4 (432.1)	906.1 (316.8)	2820	10.0 (3.8)	2115
1247.0 (435.1)	912.4 (319.0)	2840	10.0 (3.8)	2130
1255.6 (438.1)	918.7 (321.2)	2860	10.0 (3.8)	2145
1264.2 (441.1)	925.0 (323.4)	2880	10.0 (3.8)	2160
1272.8 (444.1)	931.3 (325.6)	2900	10.0 (3.8)	2175
1281.4 (447.1)	937.6 (327.8)	2920	10.0 (3.8)	2190
1290.0 (450.1)	943.9 (330.0)	2940	10.0 (3.8)	2205
1298.6 (453.1)	950.2 (332.2)	2960	10.0 (3.8)	2220
1307.2 (456.1)	956.5 (334.4)	2980	10.0 (3.8)	2235
1315.8 (459.1)	962.8 (336.6)	3000	10.0 (3.8)	2250
1324.4 (462.1)	969.1 (338.8)	3020	10.0 (3.8)	2265
1333.0 (465.1)	975.4 (341.0)	3040	10.0 (3.8)	2280
1341.6 (468.1)	981.7 (343.2)	3060	10.0 (3.8)	2295
1350.2 (471.1)	988.0 (345.4)	3080	10.0 (3.8)	2310
1358.8 (474.1)	994.3 (347.6)	3100	10.0 (3.8)	2325
1367.4 (477.1)	1000.6 (349.8)	3120	10.0 (3.8)	2340
1376.0 (480.1)	1006.9 (352.0)	3140	10.0 (3.8)	2355
1384.6 (483.1)	1013.2 (354.2)	3160	10.0 (3.8)	2370
1393.2 (486.1)	1019.5 (356.4)	3180	10.0 (3.8)	2385
1401.8 (489.1)	1025.8 (358.6)	3200	10.0 (3.8)	2400
1410.4 (492.1)	1032.1 (360.8)	3220	10.0 (3.8)	2415
1419.0 (495.1)	1038.4 (363.0)	3240	10.0 (3.8)	2430
1427.6 (498.1)	1044.7 (365.2)	3260	10.0 (3.8)	2445
1436.2 (501.1)	1051.0 (367.4)	3280	10.0 (3.8)	2460