

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.

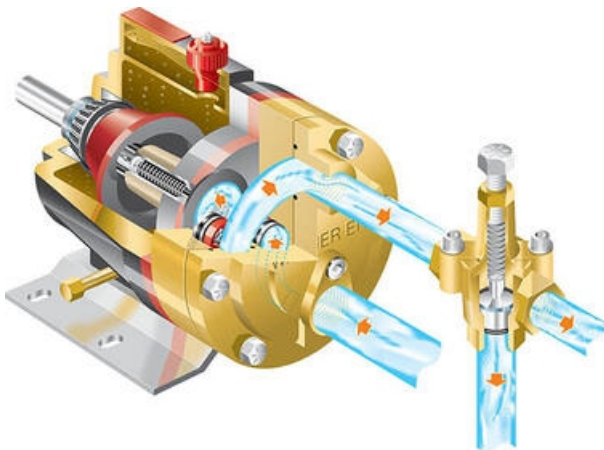
Pumparna har ingen genomgående axel med tätningar och mediet kommer aldrig i kontakt med mekanismen.

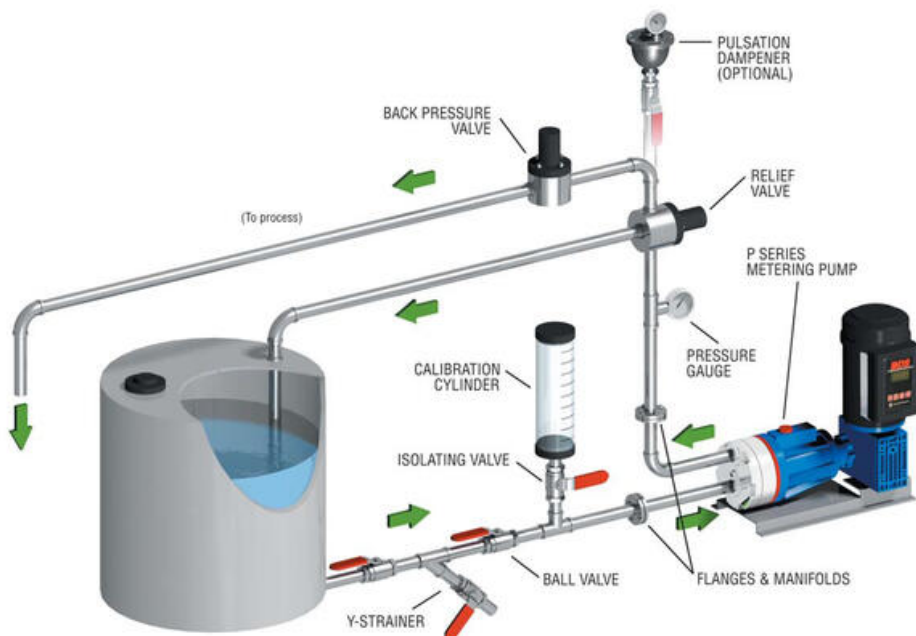
Membranen är avlastade med jämnt tryck över hela ytan, vilket ger dem mycket lång livslängd.

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.

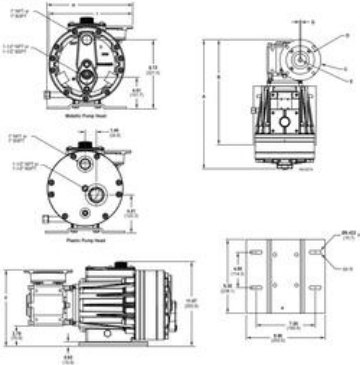
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Teknisk data

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

P600 Dimensions

P600 Models - F63

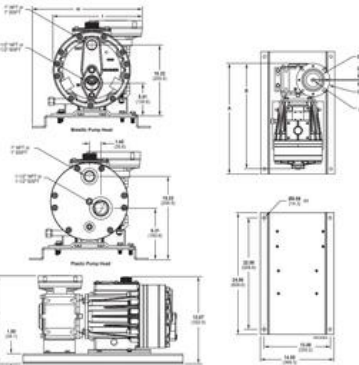


Dimensions in Inches (Millimeters)

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)	16.40 (416.6)
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)	16.40 (416.6)
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)	16.40 (416.6)
SEC 63.00	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)	16.40 (416.6)
SEC 71.00	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)	16.40 (416.6)
SEC 80.00	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)	16.40 (416.6)
SEC 90.00	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)	16.40 (416.6)
SEC 100.00	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)	16.40 (416.6)

P600 Dimensions (Cont'd)

P600 Models - F75

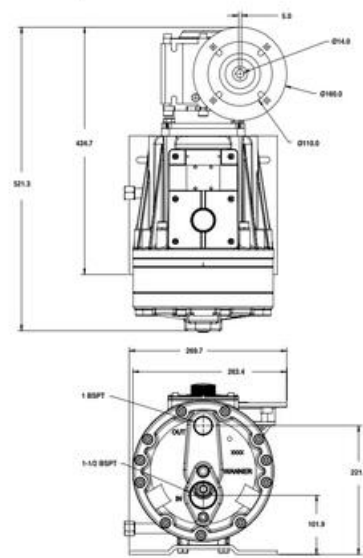


Dimensions in Inches (Millimeters)

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)	17.00 (431.8)	16.40 (416.6)
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)	17.00 (431.8)	16.40 (416.6)
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)	17.00 (431.8)	16.40 (416.6)
SEC 75.00	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)	17.00 (431.8)	16.40 (416.6)
SEC 85.00	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)	17.00 (431.8)	16.40 (416.6)
SEC 95.00	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)	17.00 (431.8)	16.40 (416.6)
SEC 105.00	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)	17.00 (431.8)	16.40 (416.6)

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 14 Bar	Pump RPM	Gear Ratio	Motor BPM
115.1	113.9	1175	25	601.1
185.5	183.2	1160	30	501.1
173.5	172.0	1148	37.5	401.1
232.0	230.2	1170	50	301.1
238.0	236.2	1170	60	251.1
340.2	338.5	1168	75	201.1
454.3	452.5	1165	100	151.1
590.5	588.7	1162	150	101.1
742.7	740.9	1159	300	51.1
1072	1070	N/A	400	37.5
1500	1498	N/A	600	25.1

Required Motor kW

0.18	0.27	0.35	0.75	1.4	2.2
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For 10:1 Turndown, Self-cooled Motors
Lhr Maximum Flow at Designated Pressure

Lhr All Pumps 7 Bar	Lhr Metallic Pump Heads Only 14 Bar	Pump RPM	Gear Ratio	Motor BPM
115.1	113.9	1175	25	601.1
185.5	183.2	1160	30	501.1
173.5	172.0	1148	37.5	401.1
232.0	230.2	1170	50	301.1
238.0	236.2	1170	60	251.1
340.2	338.5	1168	75	201.1
454.3	452.5	1165	100	151.1
590.5	588.7	1162	150	101.1
742.7	740.9	1159	300	51.1
1072	1070	N/A	400	37.5
1500	1498	N/A	600	25.1

Required Motor kW

0.18	0.27	0.35	0.75	1.4	2.2
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P600 Specifications (Cont'd)

Performance Maximum Flow at Designated Pressure - Imperial *

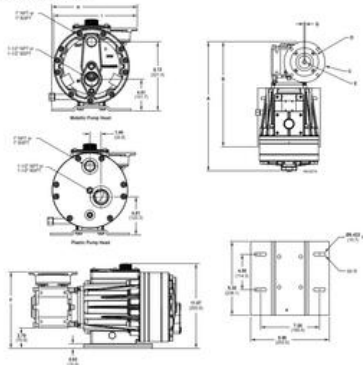
Flow	12 Bar	24 Bar	48 Bar	Pump RPM	Gear Ratio	Motor BPM
100 gpm	115.1	113.9	117.5	1175	25	601.1
200 gpm	232.0	230.2	238.0	1170	50	301.1
300 gpm	340.2	338.5	354.3	1168	75	201.1
400 gpm	454.3	452.5	473.7	1165	100	151.1
500 gpm	590.5	588.7	618.2	1162	150	101.1
600 gpm	742.7	740.9	781.5	1159	300	51.1
750 gpm	1072	1070	1125	1155	400	37.5
900 gpm	1500	1498	1560	1150	600	25.1

Performance Maximum Flow at Designated Pressure - Metric *

Flow	12 Bar	24 Bar	48 Bar	Pump RPM	Gear Ratio	Motor BPM
100 gpm	115.1	113.9	117.5	1175	25	601.1
200 gpm	232.0	230.2	238.0	1170	50	301.1
300 gpm	340.2	338.5	354.3	1168	75	201.1
400 gpm	454.3	452.5	473.7	1165	100	151.1
500 gpm	590.5	588.7	618.2	1162	150	101.1
600 gpm	742.7	740.9	781.5	1159	300	51.1
750 gpm	1072	1070	1125	1155	400	37.5
900 gpm	1500	1498	1560	1150	600	25.1

P600 Dimensions

P600 Models - F63

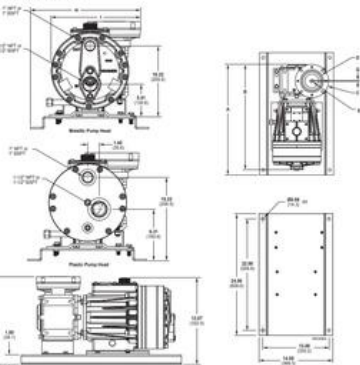


Dimensions in Inches (Millimeters)

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)	16.40 (416.6)
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)	16.40 (416.6)
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)	16.40 (416.6)
SEC 63.00	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)	16.40 (416.6)
SEC 71.00	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)	16.40 (416.6)
SEC 80.00	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)	16.40 (416.6)
SEC 90.00	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)	16.40 (416.6)
SEC 100.00	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)	16.40 (416.6)

P600 Dimensions (Cont'd)

P600 Models - F75

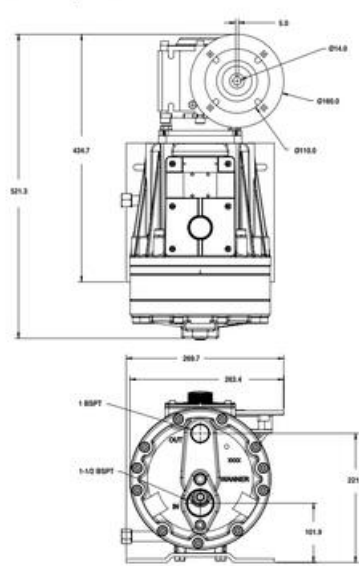


Dimensions in Inches (Millimeters)

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)	17.00 (431.8)	16.40 (416.6)
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)	17.00 (431.8)	16.40 (416.6)
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)	17.00 (431.8)	16.40 (416.6)
SEC 75.00	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)	17.00 (431.8)	16.40 (416.6)
SEC 85.00	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)	17.00 (431.8)	16.40 (416.6)
SEC 95.00	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)	17.00 (431.8)	16.40 (416.6)
SEC 105.00	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)	17.00 (431.8)	16.40 (416.6)

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 14 Bar	Pump RPM	Gear Ratio	Motor BPM
115.1	113.9	1175	25	601.1
185.5	183.2	1160	30	501.1
173.5	172.0	1148	37.5	401.1
232.0	230.2	1170	50	301.1
238.0	236.2	1170	60	251.1
340.2	338.5	1168	75	201.1
454.3	452.5	1165	100	151.1
590.5	588.7	1162	150	101.1
742.7	740.9	1159	300	51.1
1072	1070	N/A	400	37.5
1500	1498	N/A	600	25.1

Required Motor kW

0.18	0.27	0.35	0.75	1.4	2.2
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For 10:1 Turndown, Self-cooled Motors
Lhr Maximum Flow at Designated Pressure

Lhr All Pumps 7 Bar	Lhr Metallic Pump Heads Only 14 Bar	Pump RPM	Gear Ratio	Motor BPM
115.1	113.9	1175	25	601.1
185.5	183.2	1160	30	501.1
173.5	172.0	1148	37.5	401.1
232.0	230.2	1170	50	301.1
238.0	236.2	1170	60	251.1
340.2	338.5	1168	75	201.1
454.3	452.5	1165	100	151.1
590.5	588.7	1162	150	101.1
742.7	740.9	1159	300	51.1
1072	1070	N/A	400	37.5
1500	1498	N/A	600	25.1

Required Motor kW

0.18	0.27	0.35	0.75	1.4	2.2
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P600 Specifications (Cont'd)

Performance Maximum Flow at Designated Pressure - Imperial *

Alt Pump Heads (gpm)	Maxim Pump Heads (gpm)	Pump	Flow Rate	Motor rpm
34 (4.0/28)	34 (4.0/28)	1000	30	3500
43 (4.0/28)	43 (4.0/28)	1000	34	3500
52 (4.0/28)	52 (4.0/28)	1000	38	3500
61 (4.0/28)	61 (4.0/28)	1000	42	3500
70 (4.0/28)	70 (4.0/28)	1000	46	3500
79 (4.0/28)	79 (4.0/28)	1000	50	3500
88 (4.0/28)	88 (4.0/28)	1000	54	3500
97 (4.0/28)	97 (4.0/28)	1000	58	3500
106 (4.0/28)	106 (4.0/28)	1000	62	3500
115 (4.0/28)	115 (4.0/28)	1000	66	3500
124 (4.0/28)	124 (4.0/28)	1000	70	3500
133 (4.0/28)	133 (4.0/28)	1000	74	3500
142 (4.0/28)	142 (4.0/28)	1000	78	3500
151 (4.0/28)	151 (4.0/28)	1000	82	3500
160 (4.0/28)	160 (4.0/28)	1000	86	3500
169 (4.0/28)	169 (4.0/28)	1000	90	3500
178 (4.0/28)	178 (4.0/28)	1000	94	3500
187 (4.0/28)	187 (4.0/28)	1000	98	3500
196 (4.0/28)	196 (4.0/28)	1000	102	3500
205 (4.0/28)	205 (4.0/28)	1000	106	3500
214 (4.0/28)	214 (4.0/28)	1000	110	3500
223 (4.0/28)	223 (4.0/28)	1000	114	3500
232 (4.0/28)	232 (4.0/28)	1000	118	3500
241 (4.0/28)	241 (4.0/28)	1000	122	3500
250 (4.0/28)	250 (4.0/28)	1000	126	3500
259 (4.0/28)	259 (4.0/28)	1000	130	3500
268 (4.0/28)	268 (4.0/28)	1000	134	3500
277 (4.0/28)	277 (4.0/28)	1000	138	3500
286 (4.0/28)	286 (4.0/28)	1000	142	3500
295 (4.0/28)	295 (4.0/28)	1000	146	3500
304 (4.0/28)	304 (4.0/28)	1000	150	3500
313 (4.0/28)	313 (4.0/28)	1000	154	3500
322 (4.0/28)	322 (4.0/28)	1000	158	3500
331 (4.0/28)	331 (4.0/28)	1000	162	3500
340 (4.0/28)	340 (4.0/28)	1000	166	3500
349 (4.0/28)	349 (4.0/28)	1000	170	3500
358 (4.0/28)	358 (4.0/28)	1000	174	3500
367 (4.0/28)	367 (4.0/28)	1000	178	3500
376 (4.0/28)	376 (4.0/28)	1000	182	3500
385 (4.0/28)	385 (4.0/28)	1000	186	3500
394 (4.0/28)	394 (4.0/28)	1000	190	3500
403 (4.0/28)	403 (4.0/28)	1000	194	3500
412 (4.0/28)	412 (4.0/28)	1000	198	3500
421 (4.0/28)	421 (4.0/28)	1000	202	3500
430 (4.0/28)	430 (4.0/28)	1000	206	3500
439 (4.0/28)	439 (4.0/28)	1000	210	3500
448 (4.0/28)	448 (4.0/28)	1000	214	3500
457 (4.0/28)	457 (4.0/28)	1000	218	3500
466 (4.0/28)	466 (4.0/28)	1000	222	3500
475 (4.0/28)	475 (4.0/28)	1000	226	3500
484 (4.0/28)	484 (4.0/28)	1000	230	3500
493 (4.0/28)	493 (4.0/28)	1000	234	3500
502 (4.0/28)	502 (4.0/28)	1000	238	3500
511 (4.0/28)	511 (4.0/28)	1000	242	3500
520 (4.0/28)	520 (4.0/28)	1000	246	3500
529 (4.0/28)	529 (4.0/28)	1000	250	3500
538 (4.0/28)	538 (4.0/28)	1000	254	3500
547 (4.0/28)	547 (4.0/28)	1000	258	3500
556 (4.0/28)	556 (4.0/28)	1000	262	3500
565 (4.0/28)	565 (4.0/28)	1000	266	3500
574 (4.0/28)	574 (4.0/28)	1000	270	3500
583 (4.0/28)	583 (4.0/28)	1000	274	3500
592 (4.0/28)	592 (4.0/28)	1000	278	3500
601 (4.0/28)	601 (4.0/28)	1000	282	3500
610 (4.0/28)	610 (4.0/28)	1000	286	3500
619 (4.0/28)	619 (4.0/28)	1000	290	3500
628 (4.0/28)	628 (4.0/28)	1000	294	3500
637 (4.0/28)	637 (4.0/28)	1000	298	3500
646 (4.0/28)	646 (4.0/28)	1000	302	3500
655 (4.0/28)	655 (4.0/28)	1000	306	3500
664 (4.0/28)	664 (4.0/28)	1000	310	3500
673 (4.0/28)	673 (4.0/28)	1000	314	3500
682 (4.0/28)	682 (4.0/28)	1000	318	3500
691 (4.0/28)	691 (4.0/28)	1000	322	3500
700 (4.0/28)	700 (4.0/28)	1000	326	3500
709 (4.0/28)	709 (4.0/28)	1000	330	3500
718 (4.0/28)	718 (4.0/28)	1000	334	3500
727 (4.0/28)	727 (4.0/28)	1000	338	3500
736 (4.0/28)	736 (4.0/28)	1000	342	3500
745 (4.0/28)	745 (4.0/28)	1000	346	3500
754 (4.0/28)	754 (4.0/28)	1000	350	3500
763 (4.0/28)	763 (4.0/28)	1000	354	3500
772 (4.0/28)	772 (4.0/28)	1000	358	3500
781 (4.0/28)	781 (4.0/28)	1000	362	3500
790 (4.0/28)	790 (4.0/28)	1000	366	3500
799 (4.0/28)	799 (4.0/28)	1000	370	3500
808 (4.0/28)	808 (4.0/28)	1000	374	3500
817 (4.0/28)	817 (4.0/28)	1000	378	3500
826 (4.0/28)	826 (4.0/28)	1000	382	3500
835 (4.0/28)	835 (4.0/28)	1000	386	3500
844 (4.0/28)	844 (4.0/28)	1000	390	3500
853 (4.0/28)	853 (4.0/28)	1000	394	3500
862 (4.0/28)	862 (4.0/28)	1000	398	3500
871 (4.0/28)	871 (4.0/28)	1000	402	3500
880 (4.0/28)	880 (4.0/28)	1000	406	3500
889 (4.0/28)	889 (4.0/28)	1000	410	3500
898 (4.0/28)	898 (4.0/28)	1000	414	3500
907 (4.0/28)	907 (4.0/28)	1000	418	3500
916 (4.0/28)	916 (4.0/28)	1000	422	3500
925 (4.0/28)	925 (4.0/28)	1000	426	3500
934 (4.0/28)	934 (4.0/28)	1000	430	3500
943 (4.0/28)	943 (4.0/28)	1000	434	3500
952 (4.0/28)	952 (4.0/28)	1000	438	3500
961 (4.0/28)	961 (4.0/28)	1000	442	3500
970 (4.0/28)	970 (4.0/28)	1000	446	3500
979 (4.0/28)	979 (4.0/28)	1000	450	3500
988 (4.0/28)	988 (4.0/28)	1000	454	3500
997 (4.0/28)	997 (4.0/28)	1000	458	3500
1006 (4.0/28)	1006 (4.0/28)	1000	462	3500
1015 (4.0/28)	1015 (4.0/28)	1000	466	3500
1024 (4.0/28)	1024 (4.0/28)	1000	470	3500
1033 (4.0/28)	1033 (4.0/28)	1000	474	3500
1042 (4.0/28)	1042 (4.0/28)	1000	478	3500
1051 (4.0/28)	1051 (4.0/28)	1000	482	3500
1060 (4.0/28)	1060 (4.0/28)	1000	486	3500
1069 (4.0/28)	1069 (4.0/28)	1000	490	3500
1078 (4.0/28)	1078 (4.0/28)	1000	494	3500
1087 (4.0/28)	1087 (4.0/28)	1000	498	3500
1096 (4.0/28)	1096 (4.0/28)	1000	502	3500
1105 (4.0/28)	1105 (4.0/28)	1000	506	3500
1114 (4.0/28)	1114 (4.0/28)	1000	510	3500
1123 (4.0/28)	1123 (4.0/28)	1000	514	3500
1132 (4.0/28)	1132 (4.0/28)	1000	518	3500
1141 (4.0/28)	1141 (4.0/28)	1000	522	3500
1150 (4.0/28)	1150 (4.0/28)	1000	526	3500
1159 (4.0/28)	1159 (4.0/28)	1000	530	3500
1168 (4.0/28)	1168 (4.0/28)	1000	534	3500
1177 (4.0/28)	1177 (4.0/28)	1000	538	3500
1186 (4.0/28)	1186 (4.0/28)	1000	542	3500
1195 (4.0/28)	1195 (4.0/28)	1000	546	3500
1204 (4.0/28)	1204 (4.0/28)	1000	550	3500
1213 (4.0/28)	1213 (4.0/28)	1000	554	3500
1222 (4.0/28)	1222 (4.0/28)	1000	558	3500
1231 (4.0/28)	1231 (4.0/28)	1000	562	3500
1240 (4.0/28)	1240 (4.0/28)	1000	566	3500
1249 (4.0/28)	1249 (4.0/28)	1000	570	3500
1258 (4.0/28)	1258 (4.0/28)	1000	574	3500
1267 (4.0/28)	1267 (4.0/28)	1000	578	3500
1276 (4.0/28)	1276 (4.0/28)	1000	582	3500
1285 (4.0/28)	1285 (4.0/28)	1000	586	3500
1294 (4.0/28)	1294 (4.0/28)	1000	590	3500
1303 (4.0/28)	1303 (4.0/28)	1000	594	3500
1312 (4.0/28)	1312 (4.0/28)	1000	598	3500
1321 (4.0/28)	1321 (4.0/28)	1000	602	3500
1330 (4.0/28)	1330 (4.0/28)	1000	606	3500
1339 (4.0/28)	1339 (4.0/28)	1000	610	3500
1348 (4.0/28)	1348 (4.0/28)	1000	614	3500
1357 (4.0/28)	1357 (4.0/28)	1000	618	3500
1366 (4.0/28)	1366 (4.0/28)	1000	622	3500
1375 (4.0/28)	1375 (4.0/28)	1000	626	3500
1384 (4.0/28)	1384 (4.0/28)	1000	630	3500
1393 (4.0/28)	1393 (4.0/28)	1000	634	3500
1402 (4.0/28)	1402 (4.0/28)	1000	638	3500
1411 (4.0/28)	1411 (4.0/28)	1000	642	3500
1420 (4.0/28)	1420 (4.0/28)	1000	646	3500
1429 (4.0/28)	1429 (4.0/28)	1000	650	3500
1438 (4.0/28)	1438 (4.0/28)	1000	654	3500
1447 (4.0/28)	1447 (4.0/28)	1000	658	3500
1456 (4.0/28)	1456 (4.0/28)	1000	662	3500
1465 (4.0/28)	1465 (4.0/28)	1000	666	3500
1474 (4.0/28)	1474 (4.0/28)	1000	670	3500
1483 (4.0/28)	1483 (4.0/28)	1000	674	3500
1492 (4.0/28)	1492 (4.0/28)	1000	678	3500
1501 (4.0/28)	1501 (4.0/28)	1000	682	3500
1510 (4.0/28)	1510 (4.0/28)	1000	686	3500
1519 (4.0/28)	1519 (4.0/28)	1000	690	3500
1528 (4.0/28)	1528 (4.0/28)	1000	694	3500
1537 (4.0/28)	1537 (4.0/28)	1000	698	3500
1546 (4.0/28)	1546 (4.0/28)	1000	702	3500
1555 (4.0/28)	1555 (4.0/28)	1000	706	3500
1564 (4.0/28)	1564 (4.0/28)	1000	710	3500
1573 (4.0/28)	1573 (4.0/28)	1000	714	3500
1582 (4.0/28)	1582 (4.0/28)	1000	718	3500
1591 (4.0/28)	1591 (4.0/28)	1000	722	3500
1600 (4.0/28)	1600 (4.0/28)	1000	726	3500
1609 (4.0/28)	1609 (4.0/28)	1000	730	3500
1618 (4.0/28)	1618 (4.0/28)	1000	734	3500
1627 (4.0/28)	1627 (4.0/28)	1000	738	