

# Pump Quick Reference Chart



Thank you for your interest in Cat Pumps, the world leader in triplex positive displacement pumps. This quick reference guide is organized by manifold material and the following criteria:

- Plunger Pumps
  - Direct Drive – Electric Motor
  - Direct Drive – Engine
  - Solid Shaft
- Piston Pumps
- Flushed Manifold Pumps



Hollow Shaft



Close Coupled

## Plunger Pumps Direct Drive, Electric Motor

### BRASS MANIFOLD

MODEL	MAX FLOW		MAX PRESSURE		RPM	HP	DRIVE TYPE*
	gpm	lpm	psi	bar			
4DX03ELR	0.3	1.1	2000	138	1725	0.57	HS
2SF10ES	1.0	3.8	2000	138	3450	1.4	HS
4DX10ER	1.0	3.8	2000	138	3450	1.4	HS
4DX15ER	1.5	5.7	2000	138	3450	2.1	HS
2SF20ES	2.0	7.6	2000	138	3450	2.7	HS
4DX20ER	2.0	7.6	2000	138	3450	2.7	HS
4SP21ELR	2.1	7.9	2000	138	1750	2.9	HS
2SF22ELS	2.2	8.3	2000	138	1725	3.0	HS
2SF22ES	2.2	8.3	2000	138	3450	3.0	HS
5CP4110CSS	2.2	8.3	4000	275	1750	6.3	CC
3CP1130	2.4	9.1	2200	152	1725	3.6	CC
5CP3105CSS	2.5	9.5	3500	241	1750	6.0	CC
4DX27ER	2.7	10.2	2000	138	3450	3.7	HS
5CP4112CSS	2.7	10.2	4000	275	1750	7.7	CC
4SP29ELR	2.85	10.8	1200	83	1725	2.4	HS
2SF29ELS	2.9	10.8	1500	103	1725	2.9	HS
740	2.9	11.0	5000	345	1750	9.9	CC
2SF30ES	3.0	11.4	1500	103	3450	3.1	HS
4DX30ER	3.0	11.4	2000	138	3450	4.1	HS
2SF30GES	3.0	11.4	2000	138	3450	4.1	HS
5SP30ELR	3.0	11.4	3000	207	1750	6.2	HS
5CP4114CSS	3.2	12.1	4000	275	1750	8.8	CC
2SF35ES	3.5	13.3	1500	103	3450	3.6	HS
2SF35GES	3.5	13.3	2000	138	3450	4.8	HS
5SP35ELR	3.5	13.3	2500	172	1750	6.0	HS
3CP1140	3.6	13.7	2200	152	1725	5.4	CC
5CP3110CSS	3.6	13.7	3500	241	1750	8.6	CC
760	3.6	13.7	5000	345	1750	12.3	CC
5CP4116CSS	3.8	14.4	4000	275	1750	10.4	CC
340	4.0	15.1	1800	124	1725	4.9	CC
5SP40ELR	4.0	15.1	2000	138	1750	5.5	HS
5CP2140WCS	4.0	15.1	2500	172	1725	6.8	CC
3CP1120	4.2	15.9	2200	152	1725	6.3	CC
5CP4118CSS	4.2	15.9	4000	275	1750	11.5	CC
5CP3160CSS	4.3	16.3	3500	241	1750	10.3	CC
5CP4120CSS	4.5	17.1	4000	275	1750	12.3	CC
60	4.7	17.9	4000	275	1750	12.9	CC
700	4.7	17.9	5000	345	1750	16.1	CC



## Plunger Pumps Direct Drive, Electric Motor - Continued

### BRASS MANIFOLD - CONTINUED

MODEL	MAX FLOW		MAX PRESSURE		RPM	HP	DRIVE TYPE*
	gpm	lpm	psi	bar			
5CP3120	4.8	18.2	3000	207	1750	9.9	CC
25FP500EL	5.0	19.0	500	34.5	1750	1.7	HS
350	5.0	19.0	1500	103	1725	5.1	CC
5CP2150W	5.0	19.0	2000	138	1725	6.8	CC
5CP5120	6.0	22.8	2500	172	1750	10.3	CC
5CP5140CSS	6.7	25.4	3000	207	1750	13.8	CC
5CP6120	7.4	28.1	1200	83	1725	6.1	CC
56	8.0	30.4	2500	172	1725	13.7	CC
5CP6190	10.0	38.0	1200	83	1750	8.2	CC
7CP6110CS	10.5	39.9	2000	138	1750	14.4	CC
7CP6160CS	10.6	40.1	2500	172	1750	18.2	CC

\*HS - Hollow Shaft, 5/8" or 1-1/8" CC - Close Coupled, Bell Housing

### NICKEL ALUMINUM BRONZE MANIFOLD

MODEL	MAX FLOW		MAX PRESSURE		RPM	HP	DRIVE TYPE*
	gpm	lpm	psi	bar			
237	2.3	8.7	1500	103	1725	2.4	CC
247	3.6	13.7	1200	83	1725	3.0	CC
347	4.0	15.1	1200	83	1725	4.9	CC
277	4.2	15.9	1000	69	1725	2.9	CC
357	5.0	19.0	1500	103	1725	5.1	CC

\*CC - Close Coupled, Bell Housing

### 316 STAINLESS STEEL MANIFOLD

MODEL	MAX FLOW		MAX PRESSURE		RPM	HP	DRIVE TYPE*
	gpm	lpm	psi	bar			
25F05SEEL	0.5	1.9	1200	83	1725	0.4	HS
25F10SEEL	1.0	3.8	1200	83	1725	0.8	HS
25F15SEEL	1.5	5.7	1200	83	1725	1.2	HS
25F22SEEL	2.2	8.3	1200	83	1725	1.8	HS
3CP1231	2.3	8.7	2000	138	1725	3.2	CC
25FQ25SEEL	2.5	9.5	1200	83	1725	2.1	HS
25FQ29SEEL	2.9	10.8	1200	83	1725	2.3	HS
784	2.9	11.0	5000	345	1750	9.9	CC
301	3.2	12.1	2200	152	1725	4.8	CC
25FQ35SEEL	3.5	13.3	1200	83	1725	2.9	HS
3CP1241	3.6	13.7	2000	138	1725	4.9	CC
786	3.6	13.7	5000	345	1750	12.3	CC
341	4.0	15.1	1800	124	1725	4.9	CC
5CPQ6241CS	4.0	15.1	2000	138	1725	5.5	CC
25FQ42SEEL	4.2	15.9	1000	69	1725	2.9	HS
3CP1221	4.2	15.9	2000	138	1725	5.8	CC
781	4.7	17.8	5000	345	1750	16.1	CC
351	5.0	19.0	1500	103	1725	5.1	CC
3CP1211CS	5.0	19.0	1700	117	1750	5.8	CC
5CPQ6251	5.0	19.0	2000	138	1725	6.8	CC
5CPQ6261CSS	5.5	21.0	2000	138	1725	7.5	CC
5CPQ6271CSS	6.6	25.0	1800	124	1725	8.1	CC
5CPQ6221	7.4	28.0	1200	83	1725	6.1	CC
7CP6111CS	10.5	39.9	2000	138	1750	14.4	CC

\*HS - Hollow Shaft, 5/8" or 1-1/8" CC - Close Coupled, Bell Housing

## Plunger Pumps Direct Drive, Engine Driven



### BRASS MANIFOLD

MODEL	MAX FLOW		MAX PRESSURE		ENGINE RPM	SHAFT
	gpm	lpm	psi	bar		
4DNX25GSI	2.5	9.5	3000	207	3450	3/4"
4DNX27GSI	2.7	10.3	3000	207	3450	3/4"
740G1*	2.8	10.6	5000	345	3465	1"
3DX29GSI	2.9	11.0	2500	172	3450	3/4"
2SF30GS	3.0	11.4	2000	138	3450	3/4"
2SFX30GZ	3.0	11.4	2500	172	3450	3/4"
66DX30GII	3.0	11.4	4000	275	3450	1"
4SPX32GII	3.2	12.1	3000	207	3450	1"
2SF35GS	3.5	13.3	2000	138	3450	3/4"
3CP1120G	3.5	13.3	2200	152	3600	3/4"
4SF35GS1	3.5	13.3	3500	241	3200	1"
66DX35GII	3.5	13.3	4000	275	3450	1"
760G1*	3.5	13.3	5000	345	3465	1"
5CP3160CSSG1*	4.0	15.1	3500	241	3320	1"
66DX40GII	4.0	15.1	4000	275	3450	1"
60G1*	4.2	15.9	4000	275	3200	1"
4SF45GS1*	4.5	17.1	3000	207	3450	1"
5CP3120CSSG1*	4.5	17.1	3500	241	3353	1"
45G1*	4.5	17.1	3500	241	3353	1"
700G1*	4.5	17.1	5000	345	3465	1"
5CP5135CSSG1*	5.0	19.0	3500	241	3090	1"
5CP5140CSSG1*	5.5	20.9	3500	241	3060	1"
5CP6120CSSG1*	6.7	25.5	1600	110	3200	1"
56G1*	8.0	30.4	2500	172	3600	1"
5CP6190G1*	8.7	33.1	1200	83	3200	1"
7CP6110CSG1*	10.0	38.0	2000	138	3400	1"
7CP6170G1*	12.0	45.4	1800	124	3264	1"

\*Gearbox drive, pump runs approximately half of engine speed. All 1" gearboxes also available with 1-1/8" shaft

### 316 STAINLESS STEEL MANIFOLD

MODEL	MAX FLOW		MAX PRESSURE		ENGINE RPM	SHAFT
	gpm	lpm	psi	bar		
3CP1241G	3.0	11.4	2000	138	3600	3/4"
3CP1211G	3.8	14.4	1500	103	3400	3/4"
5CP06241CSG1*	4.0	15.1	2000	138	3600	1"
781G1*	4.5	17.1	5000	345	3465	1"
5CP06251G1*	5.0	19.0	2000	138	3600	1"
5CP06221G1*	7.4	28.0	1200	83	3600	1"
7CP6111CSG1*	10.0	38.0	2000	138	3400	1"

\*Gearbox drive, pump runs approximately half of engine speed. All 1" gearboxes also available with 1-1/8" shaft

## Plunger Pumps Solid Shaft



### BRASS AND 304 STAINLESS STEEL MANIFOLD

MODEL	MAX FLOW		MAX PRESSURE		RPM	HP
	gpm	lpm	psi	bar		
5CP4110CSS	2.2	8.3	4000	275	1750	6.3
3CP1130	2.4	9.1	2200	152	1725	3.6
5CP3105CSS	2.5	9.5	3500	241	1750	6.0
5CP4112CSS	2.7	10.2	4000	275	1750	7.7
740	2.9	11.0	5000	345	1750	9.9
1810*	3.0	11.4	10000	689	1500	20.5
5CP4114CSS	3.2	12.1	4000	275	1750	8.8
3CP1140	3.6	13.7	2200	152	1725	5.4
5CP3110CSS	3.6	13.7	3500	241	1750	8.6



## Plunger Pumps Solid Shaft - Continued

### BRASS AND 304 STAINLESS STEEL MANIFOLD - CONTINUED

MODEL	MAX FLOW		MAX PRESSURE		RPM	HP
	gpm	lpm	psi	bar		
760	3.6	13.7	5000	345	1750	12.3
5CP4116CSS	3.8	14.4	4000	275	1750	10.4
340	4.0	15.1	1800	124	1725	4.9
310	4.0	15.1	2200	152	950	6.0
5CP2120W	4.0	15.1	2500	172	950	6.8
5CP2140WCS	4.0	15.1	2500	172	1725	6.8
5CP4118CSS	4.2	15.9	4000	275	1750	11.5
3CP1120	4.2	15.9	2200	152	1725	6.3
5CP3160CSS	4.3	16.3	3500	241	1750	10.3
5CP5140CSS	6.7	25.4	3000	207	1750	13.8
45	4.5	17.1	3500	241	1645	10.8
5CP3120	4.5	17.1	3500	241	1645	10.8
57	4.5	17.1	4000	275	1285	12.3
5CP4120CSS	4.5	17.1	4000	275	1750	12.3
700	4.5	17.1	5000	345	1700	15.4
60	4.7	17.9	4000	275	1750	12.9
700	4.7	17.9	5000	345	1750	16.1
5CP3120	4.8	18.2	3000	207	1750	9.9
310	5.0	19.0	1500	103	1190	5.1
350	5.0	19.0	1500	103	1725	5.1
5CP2150W	5.0	19.0	2000	138	1725	6.8
530	5.0	19.0	2500	172	1100	8.6
5CP5120	5.0	19.0	3000	207	1415	10.3
550	5.0	19.0	3000	207	1415	10.3
5CP3150CSS	5.2	19.7	3000	207	1750	10.6
56	5.5	20.9	3500	241	1210	13.2
5CP5140CSS	5.5	20.9	3500	241	1500	13.2
5CP6120	6.0	22.8	1600	110	1450	6.6
5CP5120	6.0	22.8	2500	172	1750	10.3
1570*	6.0	22.8	6000	414	1350	24.7
5CP5140CSS	6.7	25.4	3000	207	1750	13.8
650	7.0	26.6	3000	207	1000	14.4
5CP6120	7.4	28.1	1200	83	1725	6.1
5CP6190	8.0	30.4	1450	100	1450	7.9
56	8.0	30.4	2500	172	1760	13.7
5CP6180CSS	8.2	31.0	1500	103	1750	8.4
1560	9.0	34.2	4000	275	1280	21.9
5CP6190	10.0	38.0	1200	83	1750	8.2
1050	10.0	38.0	2200	152	958	15.1
660	10.0	38.0	3000	207	1429	20.5
3550	10.0	38.0	6000	414	940	41.1
6810*	10.0	38.0	10000	689	600	68.5
7CP6110CS	10.5	39.9	2000	138	1750	14.4
7CP6160CS	10.6	40.1	2500	172	1750	18.2
7CP6170	11.0	41.6	2000	138	1450	15.1
1050	12.0	45.4	1800	124	1150	14.8
7CP6170	12.0	45.4	1800	124	1600	14.8
1580	12.0	45.4	3000	207	1180	24.7
1530	15.6	59.3	1500	103	1450	16.0
1540E	18.0	68.4	1200	83	1100	14.8
2510	20.0	76.0	2000	138	1450	27.4
3560**	20.0	76.0	4000	275	1160	54.8
2530	25.0	95.0	1200	83	1025	20.5
3520	25.0	95.0	2000	138	870	34.2
3560**	25.0	95.0	3000	207	1450	51.4
3570***	30.0	113.6	3000	207	1080	61.6
3535	36.0	136.0	1200	83	800	29.6
3535HS***	40.0	151.0	2000	138	888	54.8
3545	45.0	171.0	1000	69	765	30.8
3545HS***	50.0	190.0	1500	103	850	51.4
67070	50.0	189.0	2000	138	653	68.5
6760	60.0	228.0	1200	83	520	49.3
67070***	65.0	246.0	2000	138	850	89.0
6775	75.0	285.0	1200	83	650	61.6

\*304 Stainless Steel \*\*316 Stainless Steel Discharge Manifold \*\*\*Intermittent Duty

## NICKEL ALUMINUM BRONZE MANIFOLD

MODEL	MAX FLOW		MAX PRESSURE		RPM	HP
	gpm	lpm	psi	bar		
237	2.3	8.7	1500	103	1725	2.4
277	3.5	13.3	1500	103	1420	3.6
247	3.6	13.7	1200	83	1725	3.0
347	4.0	15.1	1800	124	1725	4.9
317	4.0	15.1	2200	152	950	6.0
277	4.2	15.9	1000	69.0	1725	2.8
357	5.0	19.0	1500	103	1725	5.1
1057	10.0	38.0	2200	152	958	15.1
3507	10.0	38.0	5000	345	915	34.2
1057	12.0	45.4	1800	124	1150	14.8
3517	14.0	53.2	3000	207	800	28.8
2537	25.0	95.0	1200	83	1025	20.5
3527	25.0	95.0	2000	138	870	34.2
3537	36.0	136.0	1200	83	800	29.6
3537HS*	40.0	151.4	2000	138	888	54.8
3547	45.0	170.0	1000	69	765	30.8
6747	48.0	182.4	2000	138	615	65.8
6767	60.0	228.0	1200	83	520	49.3

\*Intermittent Duty

## 316 STAINLESS STEEL AND DUPLEX STAINLESS STEEL MANIFOLD

MODEL	MAX FLOW		MAX PRESSURE		RPM	HP
	gpm	lpm	psi	bar		
3CP1231	2.3	8.7	2000	138	1725	3.2
784	2.9	11.0	5000	345	1750	9.9
3CP1241	3.6	13.7	2000	138	1725	4.9
786	3.6	13.7	5000	345	1750	12.3
341	4.0	15.1	1800	124	1725	4.9
5CPQ6241CS	4.0	15.1	2000	138	1725	5.5
311	4.0	15.1	2200	152	950	6.0
3CP1221	4.2	15.9	2000	138	1725	5.8
781	4.7	17.9	5000	345	1750	16.1
351	5.0	19.0	1500	103	1725	5.1
3CP1211CS	5.0	19.0	1700	117	1750	5.8
5CPQ6251	5.0	19.0	2000	138	1725	6.8
5CPQ6221	6.0	22.8	2000	138	1400	8.2
5CPQ6221	7.4	28.0	1200	83	1725	6.1
1051	10.0	38.0	2200	152	958	15.1
1051D	10.0	38.0	2200	152	958	15.1
1861	10.0	38.0	3000	207	1429	20.5
661D	10.0	38.0	3000	207	1429	20.5
3501	10.0	38.0	5000	345	915	34.2
3801	10.0	38.0	5000	345	915	34.2
7CP6111CS	10.5	39.9	2000	138	1750	14.4
7CP6171CS	10.5	39.9	2000	138	1450	14.4
1051	12.0	45.4	1800	124	1150	14.8
1051D	12.0	45.4	1800	124	1150	14.8
3511	14.0	53.2	3000	207	800	28.8
3811	14.0	53.2	3000	207	800	28.8
6811	15.0	57.0	5000	345	600	51.4
6801	15.0	57.0	7000	483	600	71.9
1531	15.6	59.3	1500	103	1450	16.0
1541	18.0	68.4	1200	83	1100	14.8
2511	20.0	76.0	1500	103	1450	20.5
2531	25.0	95.0	1200	83	1025	20.5
3521DHS	25.0	95.0	2000	138	870	34.2
6821	25.0	95.0	3000	207	615	51.4
3531D	36.0	136.0	1200	83	800	29.6



## Plunger Pumps Solid Shaft - Continued

### 316 STAINLESS STEEL AND DUPLEX STAINLESS STEEL MANIFOLD - CONTINUED

MODEL	MAX FLOW		MAX PRESSURE		RPM	HP
	gpm	lpm	psi	bar		
3531DHS*	40.0	151.4	2000	138	888	54.8
6831	40.0	151.4	2300	159	625	63.0
6835	40.0	151.4	3000	207	625	82.2
3541D	45.0	170.0	1000	69	765	30.8
3841	45.0	170.0	1000	69	765	30.8
6841	48.0	182.4	2000	138	615	65.8
3541DHS*	50.0	189.0	1500	103	850	51.4
6761	60.0	228.0	1200	83	520	49.3
6861	60.0	228.0	1200	83	520	49.3
6762	60.0	228.0	1200	83	520	49.3
67102	80.0	302.8	1200	83	540	65.8
67102	100.0	378.5	1000	69	680	68.5
157R060	100.0	378.5	2700	186	310	184.9
152R060	115.0	435.0	1200	83	360	94.5
152R061	115.0	435.0	2000	138	360	157.5
152R080	200.0	757.0	1200	83	355	164.4
152R081	200.0	757.0	1560	108	355	214.0
152R100	240.0	912.0	1000	69	270	164.4

\*Intermittent Duty



## Piston Pumps Solid Shaft

### BRASS MANIFOLD

MODEL	MAX FLOW		MAX PRESSURE		RPM	HP
	gpm	lpm	psi	bar		
280	3.0	11.4	1000	69	1330	2.1
290	3.5	13.3	1200	83	1200	2.9
333	4.0	15.1	1200	83	1070	3.3
430	5.0	19.0	1000	69	1040	3.4
323	5.0	19.0	1500	103	1000	5.1
623	6.0	22.8	1200	83	850	4.9
820	10.0	38.0	1000	69	940	6.8
390	12.0	45.4	600	41	1200	4.9
1010	13.0	49.4	700	48	900	6.2
2520	25.0	95.0	800	55	772	13.7
6040	40.0	151.4	1500	103	500	41.1
6020	60.0	228.0	1000	69	500	41.1

### 316 STAINLESS STEEL MANIFOLD

MODEL	MAX FLOW		MAX PRESSURE		RPM	HP
	gpm	lpm	psi	bar		
281	3.0	11.4	1000	69	1330	2.1
291	3.5	13.3	1200	83	1200	2.9
331	4.0	15.1	1200	83	1070	3.3
431	5.0	19.0	1000	69	1040	3.4
621	6.0	22.8	1200	83	850	4.9
821	10.0	38.0	1000	69	940	6.8
1011	13.0	49.4	700	48	900	6.2
6041	40.0	151.4	1500	103	500	41.1
6021	60.0	228.0	1000	69	500	41.1



## Specialty Pumps Flushed Manifolds

### BRASS, 304 STAINLESS STEEL AND NICKEL ALUMINUM BRONZE MANIFOLD

MODEL	MAX FLOW		MAX PRESSURE		RPM	HP
	gpm	lpm	psi	bar		
1810K*	3.0	11.4	10000	689	1500	20.5
1530C	15.6	59.0	1500	103	1450	16.0
1540EC	18.0	68.4	1200	83	1100	14.8
3520C	25.0	95.0	2000	138	870	34.2
2520C	25.0	95.0	800	55	772	13.7
3570C**	30.0	114.0	3000	207	1080	61.6
3535C	36.0	136.0	1200	83	800	29.6

Model numbers ending in "C" indicate flushed cast manifold and "K" indicate flushed block manifold.

\*304 Stainless Steel

\*\*Intermittent Duty

### 316 STAINLESS STEEL AND DUPLEX STAINLESS STEEL MANIFOLD

MODEL	MAX FLOW		MAX PRESSURE		RPM	HP
	gpm	lpm	psi	bar		
341C	4.0	15.1	1800	124	1725	4.9
311C	4.0	15.1	2200	152	950	6.0
781K	4.7	17.9	5000	345	1750	15.4
351C	5.0	19.0	1500	103	1725	5.1
1051C	10.0	38.0	2200	152	958	15.1
661C	10.0	38.0	3000	207	1429	20.5
3501C	10.0	38.0	5000	345	915	34.2
7CP6171CCS	10.5	39.9	2000	138	1450	14.4
7CP6111CCS	10.5	39.9	2000	138	1750	14.4
1051C	12.0	45.4	1800	124	1150	14.8
3511C	14.0	53.2	3000	207	800	28.8
6811K	15.0	57.0	5000	345	600	51.4
6801K	15.0	57.0	7000	483	600	71.9
1541C	18.0	68.4	1200	83	1100	14.8
2531C	25.0	95.0	1200	83	1025	20.5
3521C	25.0	95.0	2000	138	870	34.2
6821K	25.0	95.0	3000	207	615	51.4
3531C	36.0	136.0	1200	83	800	29.6
3531CHS	40.0	151.0	2000	138	888	54.8
6831K	40.0	151.4	2300	159	625	63.0
3541C	45.0	170.0	1000	69	765	30.8
6841K	48.0	182.4	2000	138	615	65.8
3541CHS	50.0	189.0	1500	103	850	51.4
6861K	60.0	228.0	1200	83	520	49.3
67102C	100.0	378.5	1000	69	680	68.5
152R060C	115.0	437.0	1200	83	360	94.5
152R080C	200.0	757.0	1200	83	355	164.4
152R100C	240.0	912.0	1000	69	270	164.4

Model numbers ending in "C" indicate flushed cast manifold and "K" indicate flushed block manifold.

\* Pumps rated for intermittent duty at stated flow and pressure for maximum 50% of the time in any given hour.

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In addition to this quick reference guide, Cat Pumps offers a "Product Selector" on the website home page ([www.catpumps.com](http://www.catpumps.com)). Simply enter general performance criteria such as flow rate, pressure, drive type and/or manifold material and a full list of applicable pumps is a click away. Links to complete data sheets, service manuals, popular accessories and CAD drawings are also provided.



## Custom Pumping Systems

Cat Pumps also offers complete pumping systems to meet a wide range of application needs. Each custom system is built to meet the exact application requirements of the individual customer with the assistance from our technical sales and engineering teams. They can assist in all phases of the build, including gathering application information, component/configuration selection, building and testing, as well as start-up support.



Contact Cat Pumps for more information at [info@catpumps.com](mailto:info@catpumps.com) or 763-780-5440



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