

POUNDS OF EFFECTIVE COUNTERBALANCE AT POLISH ROD TO DETERMINE TOTAL CBE
ADD CRANKS & STRUCTURAL UNBALANCE + WEIGHTS

	160-173BGL-86	228-212BGL-100	320-256BGL-120	456 or 640 -305BGL-144	456 or 640 -305BGL-168	DEAD WEIGHT EACH
Structure Unbalance	+1240#	+ 2240#	+ 2050#	+1050#	-355	
Crank No.	-7478B	8495B	8495B	-82110B	82110B	
Crank CBE (Lbs.)	-4998	7734	6432	7114	6098	
Crank + Structure Unbalance	6238#	9974#	8482#	8164#	5743#	
Weight No.						
CORO				4751	4072	3894#
OOS				1432	1227	1175#
ORO		5171	4301	4139	3548	3398#
OS		1716	1427	1373	1177	1128#
OARO		4435	3688	3495	2996	2700#
OAS		1372	1141	1082	927	836#
#1RO		3435	2857	2702	2316	2075#
#1S		1055	878	830	712	630#
#2RO		2856	2375	2248	1927	1708#
#2S		1023	851	805	690	613#
#3CRO		2318	1924	1807	1549	1327#
#3BS		996	828	778	667	572#
#5ARO		1690	1405	1308	1121	913#
#5AS		683	568	527	452	366#
#5CRO		1243	1034	957	820	662#
#5CS		615	511	474	406	327#
#6R		963	801	743	637	504#
#6		363	302	279	240	190#
#7R		614	510	471	404	315#
#7		275	229	211	181	141#
#95		2163	1799	1664	1426	1130#
#95F		904	752	697	597	495#
#78	1334	1469	1222	1130	969	765#
#78F	673	743	618	572	490	405#
#68	1254	1376	1144	1056	905	705#
#68F	498	550	457	423	363	298#
#50	929	1022	850	794	680	523#
#50F	476	526	438	405	347	285#
#46	821	904	752	695	595	475#
#46F	418	462	384	355	305	250#

NOTE: CBE shown is for each weight.

BETHLEHEM CWTS

10-24-82

BY DATE SUBJECT SHEET NO. OF
 CHKD. BY DATE JOB NO.

CRANK	SIZE CWT	MAX TRAVEL	WT. & C.G. 4 CWTS,	IN. LB. 4 CWTS, ONLY	WT & C.G. 12 AUX. WTS,	IN. LB. 12 AUX. ONLY
8495B	95	60 ^{3/8}	4680 @ 77.6"	363,168	5940 @ 76.7"	455,600
	78(3)	62"	3180 @ 77.6"	246,768	4860 @ 77"	374,220
	68(3)	64"	2940 @ 78.6"	231,084	3576 @ 77.5"	277,140
	50(4)	62 ^{3/8}	2200 @ 78"	171,600	3420 @ 77.5"	265,050
7478B	78	46 ^{1/2} "	3180 @ 61.5"	195,570	4860 @ 60.9"	295,974
	68	48 ^{1/2} "	2940 @ 62.5"	183,750	3576 @ 61.25"	219,030
	50(1)	46 ^{7/8} "	2200 @ 61.9"	136,180	3420 @ 61.25"	209,475
6468B	68	40"	2940 @ 52.5"	154,350	3576 @ 51.25"	183,270
	50(1)	38 ^{3/8} "	2200 @ 51.9"	114,180	3420 @ 51.25"	175,275
	46(1)					
5456B	50(1)	25 ^{5/8} "	2200 @ 40.3"	88,660	3420 @ 39.7"	135,774
	46(1)					
	44(2)					
4850B	50	21 ^{1/4} "	2200 @ 33.6"	73,920	3420 @ 32.75"	112,005
	46					
	44(1)					
4246B	46					
	44(1)					
	36(1)					
3644B	44					
	36					
2436B	36					
94110B	OARO	80.5"	10800 @ 84.3"	910,440	(4-OL) 1760 @ 92.6"	162,976
	95	75 ^{3/8} "	4680 @ 92.6"	433,368	(4-OAD) 6688 @ 84 ^{1/2} "	563,484
	78(3)	97"	3180 @ 92.6"	294,468	5940 @ 91.7"	544,698
					4860 @ 92"	447,120

- (1) CWT, STOPS 1/2 FROM LONG END OF CRANK IN MAX. POSITION
- (2) " " 1 " " " " " " " "
- (3) " " 1 1/4 " " " " " " " "
- (4) " " 1 3/4 " " " " " " " "