

ELEVATOR CAPACITY

DESIGNED BY KIRK COLE 2/26/99

FILL IN RED BOXES ONLY

F.P.M.

DIA.	R.P.M.	F.P.M.
28	55	403.48

TA			
PROJ.	H/P DIA.	MIN. SPEED	MAX. SPEED

BUCKET SPACING	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9
BUCKET SPACING	3.43	3	2.67	2.4	2.18	2	1.85	1.71	1.6	1.5	1.41	1.33
BUCKET SPACING	9.5	10	10.5	11	11.5	12	13	14	15	16	17	18
BUCKET SPACING	1.26	1.2	1.14	1.09	1.04	1	0.92	0.86	0.8	0.75	0.71	0.67

3	10	85	160
3,4	12	75	135
3,4	16	55	100
3,4,5	18	55	90
3,4,5	20	55	85
3,4,5	22	55	80
4,5,6	24	50	80
4,5,6	30	42	80
5,6,7	36	42	80
5,6,7	42	40	70
6,7,8	48	40	65
6,7,8	54	40	65
6,7,8	60	40	60
7,8	72	40	55
7,8	84	34	50
7,8	96	30	45

BUKSHELS HR	CAP	SPACING	ROWS	F.P.M.	MIN/HR	CU.IN/BU	BU./HR	X1.10	BU./HR			
	W/L	MULT.					W/L	ACTUAL				
	234.2	1.2	1	403.48	60	2150	3164.48	1.1	3480.93			
CU/FT HR	CAP	SPACING	ROWS	F.P.M.	MIN/HR	CU.IN/BU	CU.FT./HR	X1.10	CU.FT./HR			
	W/L	MULT.					W/L	ACTUAL				
	234.2	1.2	1	403.48	60	1728	3937.29	1.1	4331.02			
TON/PER HR	CU/FT/HR	LBS CU/FT	LBS/TON					TONS/HR	X1.10	TONS/HR	HORSEPOWER+15%	
	W/L							W/L	ACTUAL	HEIGHT		
	3937.29	45	2000					88.59	1.1	97.45	H.P.=	11.32
3X2	6	11X5	127.2	12X7	248.2	15X8	458.9	MINIMUM SPACING				
4X3	16.8	12X5	143.1	13X7	284.4	16X8	511.1	EQUALS 1" PLUS				
5X4	35.8	8X6	124.5	14X7	301.9	18X8	564.4	PROJECTION				
6X4	43.3	9X6	135.9	15X7	331.4	20X8	644.2	STANDARD SPACING				
7X4	49.7	10X6	150.4	16X7	346.5	3.75X3UH		EQUALS 2" PLUS				
6X5	68.3	11X6	173.3	10X8	297	6X4UHD	35.4	PROJECTION				
7X5	75.8	12X6	185.4	11X8	325.9	7X4.5UHD	44.2	COTTONSEED OR HULLS				
8X5	85.4	13X6	203.8	12X8	362	9X5.5UHD	97.9	EQUALS 5" PLUS PROJECTION				
9X5	97.9	10X7	219.4	13X8	390.2	11X5.5UH	173.4	WHOLE PEANUTS FOOD 200-325 FPM				
10X5	113.5	11X7	234.2	14X8	429.6	11X7UHD	234.2					

TAPCO ELEVATOR CAPACITY

DESIGNED BY KIRK COLE 2/26/99

FILL IN RED BOXES ONLY

F.P.M.																	
DIA.	R.P.M.	F.P.M.															
36	73	688.54															
TABLE OF SPEEDS																	
PROJ.	H/P DIA.	MIN. SPD.	MAX. SPD.	BUCKET SPACING	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	
				BUCKET SPACING	3.43	3	2.67	2.4	2.18	2	1.85	1.71	1.6	1.5	1.41	1.33	
				BUCKET SPACING	9.5	10	10.5	11	11.5	12	13	14	15	16	17	18	
				BUCKET SPACING	1.26	1.2	1.14	1.09	1.04	1	0.92	0.86	0.8	0.75	0.71	0.67	
				BUSHELS HR	CAP W/L	SPACING MULT.	ROWS	F.P.M.	MIN/HR	CU.IN/BU	BU./HR W/L	X1.10	BU./HR ACTUAL	HORSEPOWER HEIGHT	H.P.=	150	
3	10	85	160	HR													
3,4	12	75	135														
3,4	16	55	100		185.18	2	1	688.536	60	2150	7116.45	1.05	7472.27		39.60		
				CU/FT HR	CAP W/L	SPACING MULT.	ROWS	F.P.M.	MIN/HR	CU.IN/BU	CU.FT./HR W/L	X1.10	CU.FT./HR ACTUAL	HORSEPOWER HEIGHT	H.P.=	150	
3,4,5	18	55	90	HR													
3,4,5	20	55	85														
3,4,5	22	55	80		185.18	2	1	688.536	60	1728	8854.38	1.05	9739.82		39.60		
				TON/PER HR	CAP W/L	LBS CU/FT	LBS/ TON					TONS/HR W/L	X1.10	TONS/HR ACTUAL	HORSEPOWER HEIGHT	H.P.=	150
4,5,6	24	50	80	HR													
4,5,6	30	42	80														
5,6,7	36	42	80		9739.82	45	2000					219.15	1.05	230.10		43.58	
5,6,7	42	40	70	3X2	6	11X5	127.2	12X7	248.2	15X8	458.9	MINIMUM SPACING EQUALS 1" LESS THAN PROJECTION					
6,7,8	48	40	65	4X3	16.8	12X5	143.1	13X7	284.4	16X8	511.1						
6,7,8	54	40	65	5X4	35.8	8X6	124.5	14X7	301.9	18X8	564.4						
6,7,8	60	40	60	6X4	43.3	9X6	135.9	15X7	331.4	20X8	644.2						
7,8	72	40	55	7X4	49.7	10X6	150.4	16X7	346.5	3.75X3UH							
7,8	84	34	50	6X5	68.3	11X6	173.3	10X8	297	6X4UHD	35.4						
7,8	96	30	45	7X5	75.8	12X6	185.4	11X8	325.9	7X4.5UHD	44.2						
				8X5	85.4	13X6	203.8	12X8	362	9X5.5UHD	97.9						
				9X5	97.9	10X7	219.4	13X8	390.2	11X5.5UH	173.4						
				10X5	113.5	11X7	234.2	14X8	429.6	11X7UHD	234.2						