

SIZE			PRODUCTION RATES					HORSEPOWER					
Roll Dia Inches	Roll Length Inches	Surface per Roll Sq.Ft.	Rate DRY STPH	Rate SOAK* STPH	SOAK* Benefit %	DRY-per Sq.In. STPH	SOAK*-per Sq.In. STPH	DRY STPH per HP	SOAK* STPH per HP	Theoretical HP Req'd		STEAM CHEST SIZING	
										DRY HP	SOAK* HP	DRY Cu.Ft.	SOAK* Cu.Ft.
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18	36	14.1	7.0	9.0	129%	0.50	0.64	0.150	0.189	47	48	311	400
20	36	15.7	8.5	10.9	128%	0.54	0.69	0.160	0.202	53	54	378	484
20	42	18.3	9.8	12.5	128%	0.53	0.68	0.160	0.202	61	62	436	558
24	48	25.1	16.5	21.1	128%	0.66	0.84	0.180	0.227	92	93	733	939
24	56	29.3	19.5	25.0	128%	0.67	0.85	0.180	0.227	108	110	867	1,111
28	62	37.9	28.0	35.8	128%	0.74	0.95	0.190	0.241	147	149	1,244	1,593
32	68	47.5	40.0	51.0	128%	0.84	1.07	0.200	0.255	200	200	1,778	2,267

Above production rates in RED are actual rates for facilities we have designed and supplied
Other data is emperically determined

- Prerequisites for above performance:**
- *Clean Whole Corn SOAKED a minimum of 12 hours
 - 60 minutes residence time in steam chest
 - Sufficient HP
 - Correct and Sharp Corrugations for grain being Flaked
 - Discharge grain at 210 degrees & 21% moisture
 - Sufficient Boiler Capacity