

CHARACTERISTICS OF ALLOY BATCH COOKERS

Nominal Cooker Size	5' X 12'	5' X 14'	5' X 16'
INNER SHELL			
Inner Shell Diameter	53.75"	53.75"	53.75"
Length of Inner Shell: Shell block to Shell block	12'2" 145-5/8"	14' 168-5/16"	16'1" 192-3/4"
Inner Shell straight length	10'6" 125-7/8"	12'5" 148-9/16":	14'5" 173"
CAPACITY			
In Cubic Feet	191.3	221	253.1
in Pounds Based on 50 LB/CF density @ 85% Fill	8,130.3	9,392.5	10,756.8
in Pounds Based on 40 LB/CF density @ 85% Fill	6,504.2	7,514.0	8,605.4
HEAT TRANSFER and BOIL OFF			
Heat transfer Area in Square Feet	202.3	228.9	257.5
Pounds / Square Foot Heat Transfer Area @50#/Ft3	40.19	41.03	41.77
Peak Boil off rate in Pounds/HR (Meat, VISCERA)	2,023	2,289	2,575
Peak Boil off rate in Pounds/HR (Conglomerate)	1,012	1,145	1,288
Peak Boil off rate in Pounds/HR (Feathers & Blood)	708	801	901
STEAM REQUIREMENTS in POUNDS/ HR.			
Meat or Viscera (Peak)	3,035	3,434	3,863
Conglomerate (Peak)	1,517	1,717	1,931
Feathers and Blood (Peak)	1,062	1,202	1,352
Horse Power Required			
Meat or Viscera	30-40	40-50	50
Conglomerate	40	50	50
Feathers and Blood	40	50	60
SHAFT RPM			
Meat or Viscera	48	48	48
Conglomerate	48	48	48
Feathers and Blood	36	36	36
SHIPPING WEIGHT			
ALLOY	20,500	22,500	26,000

NOTE: All specifications are subject to change without notice.