





3-vessel Brewhouse Configurations



CONFIGURATION		1BBL INLINE	2BBL INLINE	2BBL DECK	3.5BBL DECK
PHOTO					
Dimension (inches)	L	102"	124"	96.5"	124.7"
	W	29.5"	37.5"	61"	83.3"
	H	61.5"	69.3"	70.7"	82.5"
Gross weight	Pounds	1102	1323	1433	1653
Nominal Volume / Max Volume	Mash/Lauter	1BBL/1.4BBL	2BBL/2.85BBL	2BBL/2.85BBL	3BBL/5BBL
	Kettle/Whirlpool				3BBL/5BBL
	Hot Liquor Tank				3BBL/5 BBL
Heating Method (Electric element)	Mash/Lauter	3kw RIMS, optional	5kw RIMS, optional		
	Kettle/Whirlpool	9kw	15kw	15kw	10kw * 3
	Hot Liquor Tank	9kw	15kw	15kw	10kw * 3
Insulation Layer	Polyurethane (PU)	1.2"	2"	2"	2"
Top Lid	Mash/Lauter	manual open lid			
	Kettle/Whirlpool	manual open lid with 4 inch tri-clover condenser stack			
	Hot Liquor Tank	manual open lid			
Mash/Lauter	Sparging Ring	√			
	Vorlauf Pipe	√			
	Grain Out Door	√			
	Grain Chute	√			
	Grain Rake	Optional, VFD Speed control rake with motor & reducer			
Kettle/Whirlpool	Tangential inlet	√			
	2nd outlet	√			
	Condenser Stack	N/A	Optional		
Hot Liquor Tank	Pipeline	Connected with Hot liquor pump, can be pumped into Mash tun;			
Wort Pump	G.P.M	4.402 G	4.402 G	4.402 G	3 - 130 G
	Total Dynamic Head	52.5'	52.5'	52.5'	59'
	H/P (Horse Power)	3/4 HP	3/4 HP	3/4 HP	1 HP
	Control	VFD speed adjustable			
Hot Liquor Pump	G.P.M	4.402 G	4.402 G	4.402 G	3 - 130 G
	Total Dynamic Head	52.5'	52.5'	52.5'	59'
	H/P (Horse Power)	3/4 HP	3/4 HP	3/4 HP	1 HP
	Control	VFD speed adjustable			
PHE	Heat exchanging area	1m ²	2m ²	2m ²	3m ²
	Exchange stage	1 stage	1 stage	1 stage	2 stages
	Medium	Wort Tap water			Cold water Wort Tap water
Knocking Out Device	large area hops filter	√			
	Temperature gauge	√			
	Oxygenation device	√			
	Sight Glass	√			
Control System	Temperature Controller	OMRON brand			
	Temperature Sensor	JFE (PT-100) brand			
	VFD	DANFOSS brand			
	Electrical components	Schneider brand			
Power Supply	V / HZ / Phase	* 208 - 230V / 60HZ /1 Phases (customized) ** 208 - 230V / 60HZ /3 Phases (customized)			
Max Electric Power	AMPS	* 87.3 ** 50.0	* 145.5 ** 84.0	* 145.5 ** 84.0	* 281.8 ** 162.0



Brewhouse Power Supply (Amps)

Description		Quantity	Unit Power (KW)	Total Power (KW)	
1BBL INLINE 3-vessel Brewhouse	3/4 HP Wort Pump	1	0.55	0.55	
	Kettle whirlpool tank	1	7	7	
	Hot Water Tank	1	7	7	
		3/4 HP Hot water Pump	1	0.55	0.55
	PID Control cabinet	Temperature read out for each tank	1	0.1	0.1
		Heating elements on/off control of kettle/whirlpool tank, hot water tank			
		Wort Pump VFD Speed control			
Hot water pump on/off control					
Emergency stop switch					
Total Max Power (KW)				15.2	
Total Max Power-Amps (Single-phase)				69.1	
Total Max Power-Amps (Three-phase)				40	

Description		Quantity	Unit Power (KW)	Total Power (KW)	
2BBL INLINE 3-vessel Brewhouse	3/4 HP Wort Pump	1	0.55	0.55	
	Kettle whirlpool tank	1	15	15	
	Hot Water Tank	1	15	15	
		3/4 HP Hot water Pump	1	0.55	0.55
	PID Control cabinet	Temperature read out of each tank	1	0.1	0.1
		Heating elements on/off control of kettle/whirlpool tank, hot water tank			
		Wort Pump VFD Speed control			
Hot water pump on/off control					
Emergency stop switch					
Total Max Power (KW)				31.2	
Total Max Power-Amps (Single-phase)				142	
Total Max Power-Amps (Three-phase)				82	

Description		Quantity	Unit Power (KW)	Total Power (KW)	
2BBL DECK 3-vessel Brewhouse	3/4 HP Wort Pump	1	0.55	0.55	
	Kettle whirlpool tank	1	15	15	
	Hot Water Tank	1	15	15	
		3/4 HP Hot water Pump	1	0.55	0.55
	PID Control cabinet	Temperature read out of each tank	1	0.1	0.1
		Heating elements on/off control of kettle/whirlpool tank, hot water tank			
		Wort Pump VFD Speed control			
Hot water pump on/off control					
Emergency stop switch					
Total Max Power (KW)				31.2	
Total Max Power-Amps (Single phase)				142	
Total Max Power-Amps (Three-phase)				82	

Description		Quantity	Unit Power (KW)	Total Power (KW)	
3.5BBL DECK 3-vessel Brewhouse	1 HP Wort Pump	1	0.75	0.75	
	Kettle whirlpool tank	3	10	30	
	Hot Water Tank	3	10	30	
		1 HP Hot water Pump	1	0.75	0.75
	PID Control cabinet	Temperature read out for each tank	1	0.1	0.1
		Heating elements on/off control of kettle/whirlpool tank, hot water tank			
		Wort Pump VFD Speed control			
Hot water pump on/off control					
Emergency stop switch					
Total Max Power (KW)				61.6	
Total Max Power-Amps (Single phase)				280	
Total Max Power-Amps (Three-phase)				162	