

## Horizontal Steam Boiler

## دیگ بخار افقی

MODEL	CAPACITY		Dimension			FULE		Steam outlet(in)
	kg/hr	Lb/hr	L(mm)	W(mm)	H(mm)	Gas(m <sup>3</sup> /hr)	Gas-OIL(l/hr)	
BS-HS01	300	665	1700	1000	1250	20	17	2
BS-HS02	500	1100	2000	1100	1350	28	25	2
BS-HS03	750	1660	2000	1300	1550	36	32	2 1/2
BS-HS04	1000	2210	2300	1500	1800	50	45	2 1/2
BS-HS05	1500	3300	2800	1600	1900	72	69	3
BS-HS06	2000	4400	3200	1800	2150	97	92	3
BS-HS07	2500	5525	3400	1900	2200	125	118	3
BS-HS08	3000	6650	3600	2100	2400	146	137	4
BS-HS09	4000	9000	4000	2100	2500	195	186	4
BS-HS10	5000	11000	5000	2300	2700	255	240	5
BS-HS11	7000	15500	5300	2600	3000	348	335	6
BS-HS12	8500	18800	5600	2700	3200	435	416	8
BS-HS13	10000	22500	6000	2800	3300	528	503	8
BS-HS14	12000	27000	6500	3000	3500	627	600	10
BS-HS15	15000	33200	7000	3200	3800	785	750	10

Approximate consumed fuel and based on torch rest is determined between 15 to 20 min.

All dimensions are approximate only . Refer to engineering dept. for detailed information.

## Vertical Steam Boiler

## دیگ بخار عمودی

MODEL	CAPACITY		Dimension		FULE		Steam outlet	Chimney
	kg/hr	kcal/hr	D(mm)	H(mm)	Gas(m <sup>3</sup> /hr)	Gas-OIL(l/hr)	(in)	(mm)
BS-VS01	75	50,000	600	1500	4	5	1	140
BS-VS02	100	60,000	700	1600	5	6	1	140
BS-VS03	150	100,000	800	1600	7	8	1	170
BS-VS04	200	120,000	850	1700	10	12	1	170
BS-VS05	250	150,000	900	1800	12	15	1 ¼	170
BS-VS06	300	180,000	1000	1900	15	17	1 ½	220
BS-VS07	400	230,000	1000	2000	17	20	1 ½	220
BS-VS08	500	300,000	1100	2000	24	28	1 ½	220

Approximate consumed fuel and based on torch rest is determined between 15 to 20 min.

All dimensions are approximate only . Refer to engineering dept. for detailed information.

## Hot Water Boiler

## دیگ آبگرم ( ظرفیت پایین )

MODEL	CAPACITY	Dimension			Inpot- Out pot	Chimney	FUE	
	kcal/HR	L(mm)	W(mm)	H(mm)	(in)	(mm)	Gas(m <sup>3</sup> /hr)	Gas-OIL(lit/hr)
BSB-01	65.000	750	700	800	2	140	5.2	6
BSB-02	85.000	800	750	800	2	140	7.2	8.5
BSB-03	100.000	900	750	800	2	140	8.8	9.7
BSB-04	120.000	1100	800	900	2	200	10.5	11.5
BSB-05	150.000	1250	900	900	2	200	12.5	16
BSB-06	200.000	1250	900	1000	2 ½	250	16	16.5
BSB-07	250.000	1400	1000	1100	2 ½	250	18	21
BSB-08	300.000	1800	1100	1300	3	300	24	27
BSB-09	350.000	1900	1100	1300	3	300	25.5	28
BSB-10	400.000	2000	1250	1400	3	300	29	34
BSB-11	500.000	2100	1300	1500	4	300	36	42

Approximate consumed fuel and based on torch rest is determined between 15 min.

All dimensions are approximate only . Refer to engineering dept. for detailed information.

## Hot Water Boiler

## دیگ آبگرم ( ظرفیت بالا )

MODEL	CAPACITY	Dimension			Inpot- Out pot	Chimney	FUE	
	kcal/hr	L(mm)	W(mm)	H(mm)	(in)	(mm)	Gas(m <sup>3</sup> /hr)	Gas-oil(lit/hr)
BS-HB01	600.000	2500	1250	1500	4		45	50
BS-HB02	700.000	2700	1350	1600	4	400	50	55
BS-HB03	800.000	2800	1350	1600	5	400	56	62
BS-HB04	1.000.000	2900	1500	2000	5	400	70	75
BS-HB05	1.250.000	3200	1750	2250	5	400	85	92
BS-HB06	1.500.000	3400	2000	2500	5	450	105	114
BS-HB07	1.750.000	3400	2100	2500	6	450	120	128
BS-HB08	2.000.000	3800	2100	2500	6	450	140	150
BS-HB09	2.500.000	4200	2200	2750	6	500	170	187
BS-HB10	3.000.000	5000	2300	2900	8	500	210	225
BS-HB11	3.500.000	5000	2400	3000	8	500	245	262
BS-HB12	4.000.000	5200	2500	3200	10	600	280	300
BS-HB13	5.000.000	5600	2700	3300	10	600	350	375

Approximate consumed fuel and based on torch rest is determined between 15 min.

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## Hot Oil Boiler

## دیگ روغن داغ :

MODEL	CAPACITY	Dimension			Oil output	Inpot- Out pot	Chimney	Fule	
	kcal/HR	L(mm)	W(mm)	H(mm)	(in)	(in)	(mm)	Gas(m <sup>3</sup> /hr)	Gas-oil(lit/hr)
BS-OB01	150.000	1500	1150	1400	1 ½	4	200	11	13
BS-OB02	200.000	1600	1150	1400	2	4	200	14	16
BS-OB03	300.000	1800	1400	1600	2	5	250	20	24
BS-OB04	400.000	2100	1500	1800	2 ½	5	250	28	32
BS-OB05	500.000	2200	1650	1600	3	5	300	35	38
BS-OB06	600.000	2400	1400	1700	3	5	300	42	45
BS-OB07	700.000	2600	1500	1800	4	6	300	46	50
BS-OB08	800.000	2800	1500	1800	4	6	350	55	59
BS-OB09	1.000.000	3100	1600	1950	4	6	400	67	73
BS-OB10	1.250.000	3300	1700	2050	4	8	400	81	89
BS-OB11	1.500.000	3600	1800	2150	5	8	500	98	105
BS-OB12	2.000.000	4000	2000	2400	5	10	500	130	140
BS-OB13	2.500.000	4600	2300	2700	6	10	500	162	178
BS-OB14	3.000.000	5200	2500	2900	6	10	550	195	212
BS-OB15	4.000.000	5700	2800	3300	8	10	600	260	300

Approximate consumed fuel and based on torch rest is determined between 15 min.

All dimensions are approximate only . Refer to engineering dept. for detailed information

## Coal boiler : دیک ذغالسنگی

### Coal- Fired hot water boiler specification

MODEL	CAPACITY	Dimension			Inpot- Out pot	Chimney	Diameter fan
	kcal/hr	L(mm)	W(mm)	H(mm)	(in)	(mm)	(cm)
BS-CH01	170.000	1200	1000	1200	2	220	15/20
BS-CH02	250.000	1400	1000	1200	2 ½	220	20/25
BS-CH03	300.000	1500	1300	1500	3	250	20/25
BS-CH04	400.000	1700	1400	1700	3	300	25/30
BS-CH05	500.000	1900	1500	1800	4	300	25/30
BS-CH06	750.000	2100	1600	1900	4	350	30/35
BS-CH07	850.000	2500	1700	2000	5	400	30/35
BS-CH08	1.000.000	3000	1700	2100	5	400	35/40
BS-CH09	1.250.000	3000	1900	2300	5	400	40/45
BS-CH10	1.500.000	3300	2200	2600	6	450	45/50
BS-CH11	2.000.000	3800	2300	2800	8	500	50/60

All dimensions are approximate only . Refer to engineering dept. for detailed information.

## Heater

## هیتریاکوره هوای گرم

MODEL	CAPACITY	Dimension			Hot air outlet	FUE	
	kcal/hr	L(mm)	W(mm)	H(mm)	(cm)	Gas(m <sup>3</sup> /hr)	Gas-oil(lit/hr)
BSB-01	120.000	1100	800	1000	80*22	9	10
BSB-02	150.000	1300	900	1150	85*22	12	15
BSB-03	200.000	1500	1000	1250	88*28	17	20
BSB-04	250.000	2000	1000	1350	98*300	20	25
BSB-05	300.000	2200	1200	1400	1080*35	25	30
BSB-06	400.000	2300	1400	1500	1100*400	34	40

## Unit Heater

## یونیت هیتر

MODEL	CAPACITY	Dimension			Air Flow
	Btu/hr	L(mm)	W(mm)	H(mm)	(cfm)
BS-UH01	60.000	500	500	350	1200
BS-UH02	80.000	520	520	350	1300
BS-UH03	100.000	580	580	350	1800
BS-UH04	120.000	580	580	350	2000
BS-UH05	140.000	600	600	350	2000
BS-UH06	200.000	650	650	350	2500
BS-UH07	240.000	700	700	350	3000
BS-UH08	280.000	750	750	350	3400
BS-UH09	340.000	810	810	350	3700
BS-UH10	450.000	850	850	350	3800

## Water Softener

سختی گیر

MODEL	CAPACITY	Service Valve	Flow	Mineral Tank	Salt Tank	equired Resin	SALT
	(grain)	(in)	(gpm)	(cm)	(lit)	(lit)	(Kg)
BS-WS01	40.000	1/2	5	32*100	65	25	8
BS-WS02	60.000	1/2	8	32*125	65	50	10
BS-WS03	90.000	3/4	15	40*125	100	75	16
BS-WS04	110.000	3/4	15	40*150	100	80	20
BS-WS05	150.000	1	15	50*150	120	125	28
BS-WS06	180.000	1	35	55*150	140	150	35
BS-WS07	210.000	1	40	60*150	140	175	38
BS-WS08	250.000	1	45	60*150	200	200	40
BS-WS09	300.000	1	50	65*150	200	250	45
BS-WS10	350.000	1 ¼	60	70*150	220	275	55
BS-WS11	400.000	1 ¼	67	80*150	220	325	60
BS-WS12	500.000	1 ½	72	70*175	300	400	70
BS-WS13	600.000	1 ½	80	75*175	400	450	85
BS-WS14	750.000	2	95	75*200	500	575	100
BS-WS15	1.000.000	2	120	90*200	750	800	160
BS-WS16	1.200.000	2	140	100*200	1000	950	200
BS-WS17	1.500.000	2 ½	200	120*200	1000	1200	225
BS-WS18	2.000.000	3	250	130*220	1500	1600	350
BS-WS19	2.500.000	3	300	130*250	1500	2000	400

## Domestic Hot Water Generators

## منابع کویل دار

MODEL	CAPACITY	Dimension		Heating Surface	Inlet-outlet	Drain	Soft valve
	Lit	H(mm)	D(mm)	(ft2)	(in)	(in)	(in)
BS-DH01	300	1500	500	8	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$
BS-DH02	500	1500	650	15	1	$\frac{3}{4}$	$\frac{3}{4}$
BS-DH03	800	2000	710	20	1 $\frac{1}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
BS-DH04	1000	2000	800	27	1 $\frac{1}{4}$	1	$\frac{3}{4}$
BS-DH05	1500	2000	950	36	1 $\frac{1}{4}$	1	1
BS-DH06	2000	2000	1150	52	1 $\frac{1}{2}$	1	1
BS-DH07	2500	2000	1250	65	1 $\frac{1}{2}$	1	1
BS-DH08	3000	2000	1400	83	1 $\frac{1}{2}$	1	1
BS-DH09	3500	2000	1500	95	2	1	1
BS-DH10	4000	2500	1450	2*55	2 $\frac{1}{2}$	1	1
BS-DH11	5000	3000	1450	2*67	3	1 $\frac{1}{4}$	1 $\frac{1}{4}$
BS-DH12	7000	3000	1720	2*95	3	1 $\frac{1}{2}$	1 $\frac{1}{2}$
BS-DH13	10000	3500	1900	2*135	4	1 $\frac{1}{2}$	1 $\frac{1}{2}$

## Heat Exchanger

## مبدل حرارتی

MODEL	Heating Surface	Diameter	Length	Inlet-outlet Pipe	Inlet-outlet coil
	(ft <sup>2</sup> )	(mm)	(mm)	(in)	(in)
BS-HE01	7	120	700	1 ¼	1
BS-HE02	15	140	800	2	1
BS-HE03	25	150	900	2	1
BS-HE04	32	160	900	3	1
BS-HE05	40	220	1000	3	1
BS-HE06	50	220	1100	4	1
BS-HE07	65	270	1100	4	2
BS-HE08	70	270	1200	4	2
BS-HE09	80	270	1200	4	2
BS-HE10	100	270	1400	4	2
BS-HE11	125	300	1400	4	2
BS-HE12	180	400	1500	6	2
BS-HE13	225	550	1600	6	2
BS-HE14	260	550	1700	6	2
BS-HE15	300	550	1850	8	2
BS-HE16	350	550	2100	8	2

## Sand Filter

## فیلتر شنی

MODEL	Dimension		BACK WASH	FLOW RATE	WEIGHT	Gate valve	Si
	Shell dia.(cm)	Height overall(cm)	(gpm)	(gpm)	(Kg)	(in)	(kg)
BS-F01	60	80	24	18	150	1"	120
BS-F02	65	100	30	21	250	1"	200
BS-F03	75	125	50	38	450	1.5"	380
BS-F04	100	150	100	70	650	2"	1200
BS-F05	120	180	130	90	850	2.5"	1800
BS-F06	150	210	187	135	1200	3"	2700
BS-F07	175	210	255	185	1450	4"	3800
BS-F08	200	210	330	245	2000	4"	5000
BS-F09	225	210	420	300	2200	5"	7000
BS-F10	250	220	520	380	2800	5"	8500
BS-F11	275	250	630	460	3800	5"	10000
BS-F12	300	260	750	550	5000	6"	12000