



AUTOMATIC STEAM BOILER

NEW !! Boiler efficiency 88%



ASME "S" & "U" Certified | National Board Registered

TAIWAN MASAHISA MACHINERY CO., LTD.

SPECIAL FEATURE

"SAC-STEAM BOILER" ATTRACTIVE AND COMPACT DESIGNS SAVE SPACE IN YOUR FACTORY. MAKES YOUR BOILER ROOM AS A HOME PLACE

1. HIGH BOILER EFFICIENCY

Dual heating tube to constitute unique heat transmission and automatic blowdown equipment, feed water pre-heater and low power consumption will still maintenance boiler efficiency as high as 88%.

2. LOW COST STEAM

The fully automatic **"SAC-Boiler"** requires only a minimum of maintenance and supervision to provide low cost steam.

3. COMPLETE OPERATIONAL INSPECTION

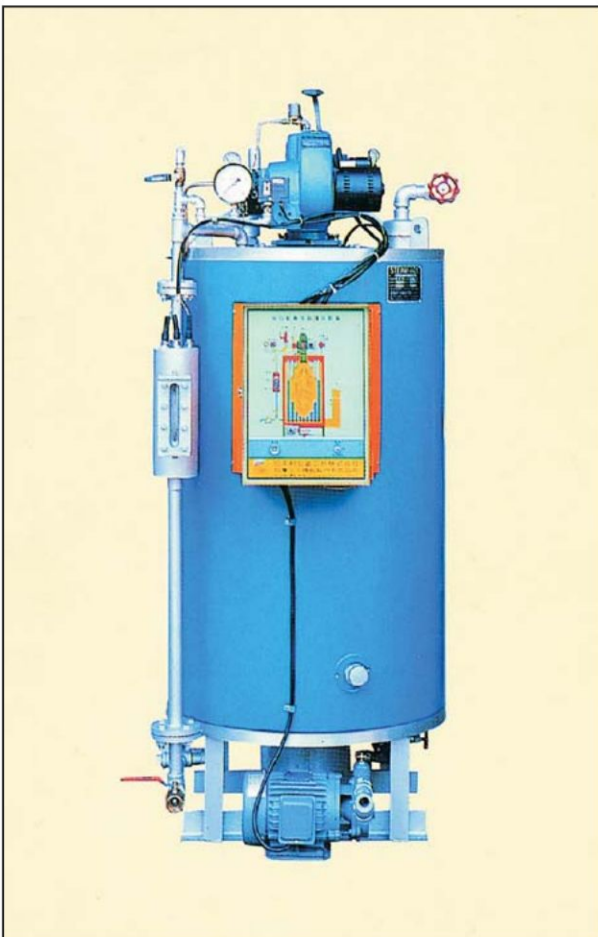
Every **"SAC-Boiler"** is fully firing test in the factory and dozens of tests and component checks by "TMM" skillfull engineers are carried out before shipment.

4. COMPACT SPACE REQUIRED

Every **"SAC-Boiler"** is an integrated self contained boiler The Boiler pressure ports, Burner, Water feeding equipment control and wiring are all custom design.

5. 24 HOURS-7 DAYS AFTER SERVICE

Every **"SAC-Boiler"** is backed by our 24 hours-7 days a week After Sales Service. Fully equipped trucks manned by factory trained service engineers are constantly available.

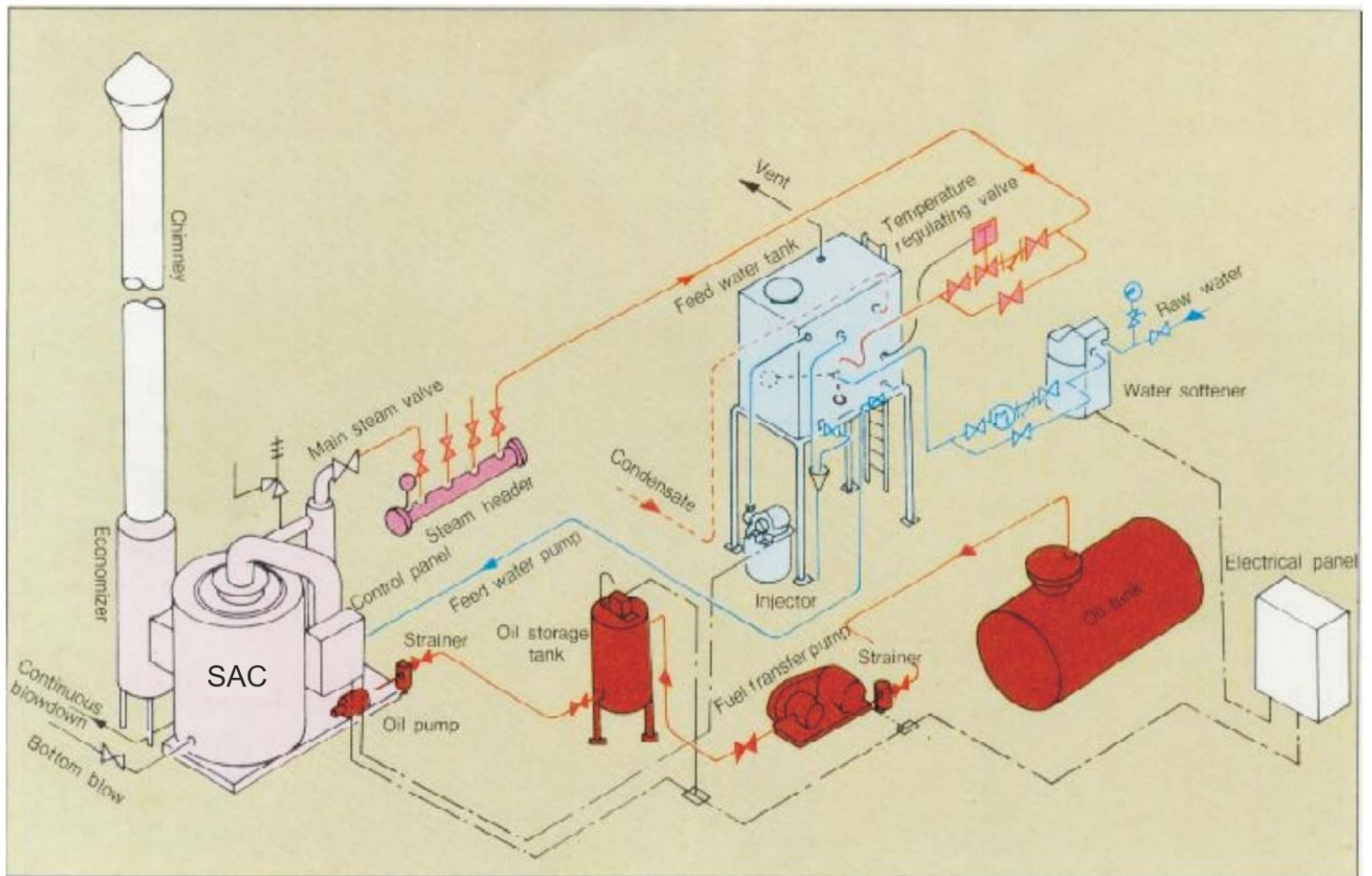


SAC-20EA



SAC-40E

GENERAL FLOW SHEET



SPECIFICATION

Model				20E	40E	60E	80E	100EH	150EH	100EC	150EC	
Rating	Equivalent Evaporation		kg/h	200	400	600	800	1,000	1,500	1,000	1,500	
	Radiation (Heat)		Kacl/h	107,800	215,600	323,400	431,200	539,000	808,500	539,000	808,500	
Max. Working pressure			Kg/cm ²	10								
Heating surface			m ²	3.9	7.7	9.8	9.9	9.9	9.9	9.9	9.9	
Fuel consumption		Diesel	ℓ/h	14	28.9	42.1	55.9	68.6	103.3	68.6	103.3	
		B-heavy oil			28	41.2	54.7	67.1	101.1	67.1	101.1	
		C-heavy oil			27	40	51.5	62.3	98.8	62.3	98.8	
Control system				ON-OFF		HIGH-LOW-OFF						
Feed water pre-heater								H TYPE		C TYPE		
Burner system				Forced Draft. Oil Pressure Jet								
Power source				3 ϕ ×220/380V ×50/60Hz								
Connection size	Fuel inlet	Diesel	A	15	15	20	25	25	25	25	25	
		B-heavy oil			25	32	32	32	32	32	32	
	Return oil line				15	15	15	15	15	15	15	
	Main steam valve			25	25	32	40	50	65	50	65	
	Safty valve			25	32	40	50	50	32+50	50	32+50	
	Bottom blow			25	25	25	32	32	32	32	32	
	Continuous blowdown						15	15	15	15	15	
	Feed water	C type		20	20	20	25	25	25	32	25	32
		H type				20	25	25	25	25	25	25
Electric equipment	Chimney		ϕ mm	198	248	298	298	348	398	348	398	
	Diesel	Burner	Draft fan	0.4	0.75	0.75	0.75	1.5	3.7	1.5	3.7	
			Oil pump		0.4	0.4	0.4	0.4	0.4	0.4		
		Feed water pump		0.75	0.75	1.5	1.5	1.5	2.2	1.5	2.2	
		Wiring		mm ²	2.0	3.5	3.5	3.5	3.5	8.0	3.5	8.0
	B-heavy oil	Burner	Draft fan	kw		0.75	0.75	0.75	1.5	3.7	1.5	3.7
			Oil pump			0.4	0.4	0.4	0.4	0.4	0.4	
		Feed water pump				0.75	1.5	1.5	1.5	2.2	1.5	2.2
		Heavy oil heater				2	2	3	3	4	3	4
		Heater				2	2	2	3	3	3	3
		Wiring			mm ²		3.5	5.5	5.5	8	14	8
	C-heavy oil	Burner	Draft fan	kw		0.75	0.75	0.75	1.5	3.7	1.5	3.7
			Oil pump			0.4	0.4	0.4	0.4	0.4	0.4	0.4
		Feed water pump				0.75	1.5	1.5	1.5	2.2	1.5	2.2
		Heavy oil heater				3	3	4	4	6	4	6
		Heater				2	2	2	3	3	3	3
		Wiring			mm ²		3.5	5.5	5.5	8	14	8
Water in full			ℓ	50	100	115	164	164	164	164	164	
Product weight	Diesel	kg	450	830	1,080	1,500	1,700	1,950	1,700	1,950		
	Heavy oil			850	1,230	1,650	1,850	2,150	1,850	2,150		

- 1 · Low Heating Value: ● Diesel 10,300 kcal/kg (specific gravity 0.79)
 ● B-heavy oil 9,850 kcal/kg (specific gravity 0.9)
 ● C-heavy oil 9,700 kcal/kg (specific gravity 0.96)

2 · Type specification:

SAC-100ECA

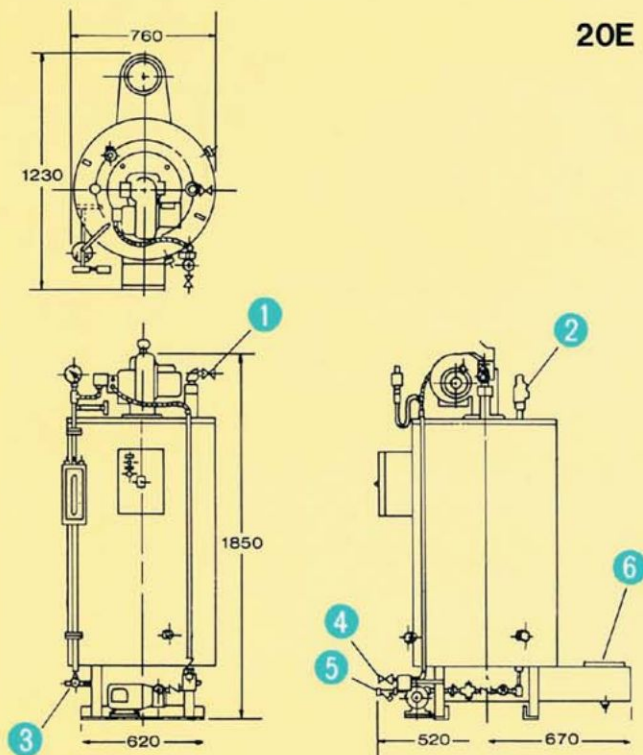
Model

- Kind of fuel (A : Diesel B : Boiler oil C : Fuel oil G : Gas)
- Economizer (C type recovery · H type open)
- Development Order
- Heat Output (Equivalent Evaporation kg/H×10)

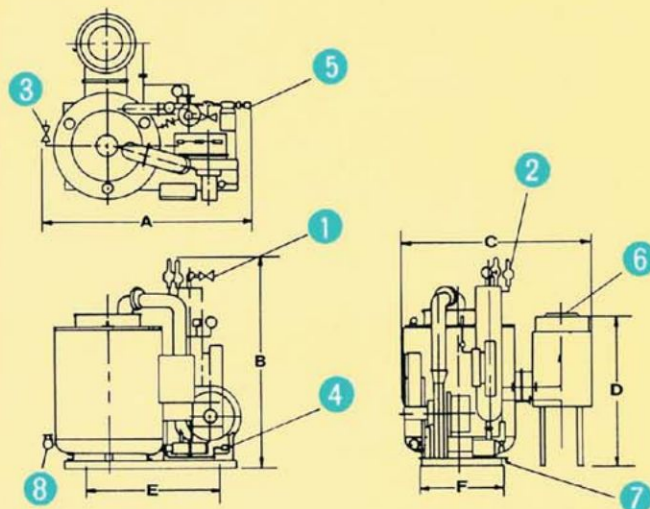
TABLE OF OVER ALL DIMENSIONS

- 1 MAIN STEAM VALVE 2 SAFTY VALVE 3 BOTTOM BLOW VALVE 4 FUEL INLET
5 FEED WATER INLET 6 CHIMNEY CONNECTOR 7 CONTINUOUS BLOWDOWN VALVE 8 DRAIN POT

20E

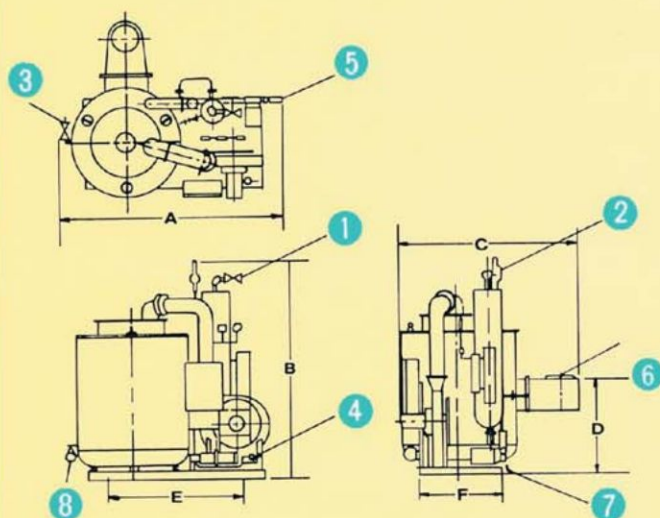


100EC · 150EC



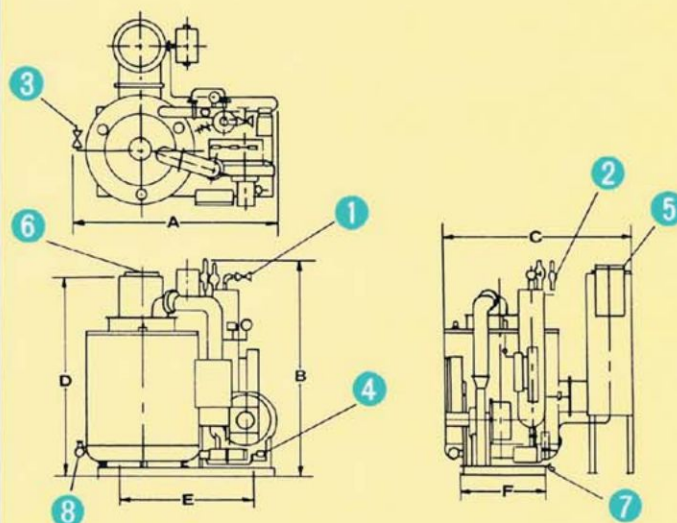
TYPE NO.	A	B	C	D	E	F
100EC	2180	2115	1925	1560	1400	830
150EC	2220	2165	2000	1720	1400	830

40E · 60E · 80E



TYPE NO.	A	B	C	D	E	F
40E	1640	2080	1310	1070	1180	650
60E	1800	2080	1640	1070	1220	760
80E	2180	2115	1760	970	1400	1760

100EH · 150EH



TYPE NO.	A	B	C	D	E	F
100EH	2040	2115	1830	2010	1400	830
150EH	2120	2165	1935	2010	1400	830

BUSINESS FIELD

- Steam boiler
- Waste incinerator
- Fan & blower
- Pressure vessel
- Chemical engineering facilities
- Industrial machinery
- Sugar factory machinery
- Wine making equipment



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