

SPECIFICATIONS

Gerador de Vapor SigmaFire by Clayton - SF200 (BHP)

MODEL SF200

		MODEL SF200 Standard	MODEL SF200-SE with Super Economizer	MODEL SF200-FMB with Low NOx FMB Burner	MODEL SF200-SE-FMB with Low NOx FMB Burner and Super Economizer
BOILER HORSEPOWER		200	200	200	200
HEAT INPUT, BTU/hr	Oil	8,066,265	7,784,884	NA	NA
	Gas	8,164,634	7,876,471	8,265,432	7,876,471
NET HEAT OUTPUT, BTU/hr		6,695,000	6,695,000	6,695,000	6,695,000
EQUIVALENT OUTPUT (from and at 212°F feedwater and 0 PSIG steam)		6,900 lbs/hr	6,900 lbs/hr	6,900 lbs/hr	6,900 lbs/hr
DESIGN PRESSURE (see note 1)		15 - 500 psig	15 - 500 psig	15 - 500 psig	15 - 500 psig
STEAM OPERATING PRESSURE (determined by design pressure)		13 - 450 psig	13 - 450 psig	13 - 450 psig	13 - 450 psig
OIL CONSUMPTION at maximum steam output (see note 2)		57.4 gph	55.4 gph	NA	NA
GAS CONSUMPTION at maximum steam output (see note 3)		8,165 cfh	7,876 cfh	8,265 cfh	7,876 cfh
BURNER CONTROLS					
step-fired		100% / 50% / Off	100% / 50% / Off	N/A	N/A
modulating (see note 4)		5 to 1 Turndown	5 to 1 Turndown	4 to 1 Turndown	4 to 1 Turndown
EFFICIENCY					
oil-fired efficiency %		83%	86%	NA	NA
gas-fired efficiency %		82%	85%	81%	85%
ELECTRIC MOTORS, HP (see note 5)		Blower Pump	Blower Pump	Blower Pump Cooling	Blower Pump Cooling
design pressure 15-300 psig		15 7.5	15 7.5	15 7.5 3	15 7.5 3
design pressure 301-500 psig		15 10	15 10	15 10 3	15 10 3
ELECTRIC FLA, based on 460 V (see note 6)					
design pressure 15-300 psig		40	40	45	45
design pressure 301-500 psig		44	44	48	48
GAS SUPPLY REQUIRED		2 psig	2 psig	2 psig	2 psig
AIR SUPPLY REQUIRED (FMB - see note 7)		NA	NA	5 scfm @ 3 to 150 psig	5 scfm @ 3 to 150 psig
WATER SUPPLY REQUIRED		1,060 gph	1,060 gph	1,060 gph	1,060 gph
HEATING SURFACE		269 sq.ft.	314 sq.ft.	269 sq.ft.	314 sq.ft.
EXHAUST STACK CONNECTION, o.d.		18 in.	18 in.	18 in.	18 in.
APPROXIMATE OVERALL DIMENSIONS					
length		81 in.	81 in.	85 in.	85 in.
width		80 in.	80 in.	101 in.	101 in.
height		106 in.	112 in.	106 in.	112 in.
WEIGHT					
installed - wet		5,317 lbs	5,867 lbs	5,397 lbs	5,947 lbs
shipping		4,750 lbs	5,150 lbs	4,830 lbs	5,230 lbs

1) Design pressures are available up to 3000 psig. Consult factory for details.

2) Based on No. 2 fuel oil with a High Heat Value (HHV) of 140,600 BTU/Gal.

3) Based on Natural Gas with a High Heat Value (HHV) of 1,000 BTU/Ft.³

4) On dual fuel units only gas fired is modulating, oil fired is step fired. Switching fuels requires a manual change of burners

5) Oil fired units also use a separate motor driven fuel oil pump - 1 HP

6) Continuous running. For 575 V multiply by 0.8; for 380 V multiply by 1.1; for 230 V multiply by 2.0; for 208 V multiply by 2.2.

7) Compressed air required for FMB only.

The description and specifications shown were in effect at the time this publication was approved for printing. Clayton Industries, whose policy is one of continuous improvement, reserves the right to discontinue models, or change specifications or design, without notice.

