

Hauck StarJet 260G Capacity & Performance Table Low Pressure Oil Firing

Burner Input	Spin Position (degrees)	BURNER AIR						BURNER FUEL								Flame Length		Flame Diameter	
		Air Valve Position	Body Pressure		Air Flow		Blower Amps	Fuel Valve Position	Fuel Inlet pressure		Fuel Flow		Firing Rate						
			(in. w.c.)	(mbar)	(cfm)	(m3/min)			(psig)	(bar)	(gpm)	(lpm)	(MMBTU/h)	(MW)	(ft)	(m)	(ft)	(m)	
Low Fire	0	1.75	1.4	3.5	872	24.7	31.0	0	49	3.38	0.85	3.2	7.0	1.85	2	0.61	2	0.61	
	30	1.75	1.5	3.7	872	24.7	31.0	0	49	3.38	0.85	3.2	7.0	1.85	2	0.61	2	0.61	
	60	1.75	1.9	4.7	872	24.7	30.4	0	49	3.38	0.85	3.2	7.0	1.85	2	0.61	2	0.61	
25%	0	4	12.2	30.4	1839	52.1	37.4	3	48	3.31	1.5	5.6	12.2	3.23	3	0.91	2	0.61	
	30	4	12.9	32.1	1839	52.1	37.1	3	48	3.31	1.5	5.6	12.2	3.23	3	0.91	2.5	0.76	
	60	4	15.7	39.1	1792	50.8	36.8	3	48	3.31	1.5	5.6	12.2	3.23	3	0.91	3	0.91	
50%	0	5	30.7	76.4	2551	72.2	44.5	4.25	47	3.24	3.0	11.2	24.5	6.48	8	2.44	2.5	0.76	
	30	5	31.6	78.6	2617	74.1	44.0	4.25	47	3.24	3.0	11.2	24.5	6.48	8	2.44	3	0.91	
	60	5	35.5	88.3	2584	73.2	42.8	4.25	47	3.24	3.0	11.2	24.5	6.48	7.5	2.29	3	0.91	
75%	0	7.5	52.7	131.1	3315	93.9	50.9	6.25	44	3.03	4.5	16.9	37.0	9.79	12	3.66	2.5	0.76	
	30	7.5	53.4	132.9	3440	97.4	50.5	6.25	44	3.03	4.5	16.9	37.0	9.79	10	3.05	2.75	0.84	
	60	7.5	55.5	138.1	3185	90.2	48.4	6.25	44	3.03	4.5	16.9	37.0	9.79	10	3.05	3	0.91	
100%	0	10	59	146.8	3561	100.8	53.2	10	42	2.90	5.9	22.4	49.0	12.96	14	4.27	2.5	0.76	
	30	10	59.6	148.3	3501	99.2	52.3	10	42	2.90	5.9	22.4	49.0	12.96	12	3.66	3	0.91	
	60	10	60.9	151.5	3118	88.3	49.1	10	42	2.90	5.9	22.4	49.0	12.96	12	3.66	3.75	1.14	
Not Firing	0	10	58.2	144.8	3561	100.8	54.5												
	30	10	58.7	146.0	3678	104.2	54.2												
	60	10	60.1	149.5	3440	97.4	51.7												

Table Issue Date	July 2016
Test Date	September 2004
Ambient Temperature	70°F (21°C)
Barometric Pressure	29.49 in.Hg (749 mm Hg)
Blower Size	Hauck TBA 36-50
Blower 100% / 115%	59.0 / 67.9 FLA (Full Load Amp Draw)
Fuel Type	No.2 Oil with HHV = 138,000 BTU/USgal (Standard) / LHV = 10.3 kWh/liter (Metric), 0.87 S.G., and stoichiometric ratio of 1380:1
Fuel Valve	Hauck F-1/2-20
Sleeve Type	High Velocity



Hauck StarJet 260G Capacity & Performance Table Natural Gas Firing

Burner Input	Spin Position (degrees)	BURNER AIR						BURNER FUEL						Flame Length		Flame Diameter		
		Air Valve Position	Body Pressure		Air Flow		Blower Amps	Fuel Valve Position	Fuel Inlet pressure		Orifice ΔP		Firing Rate					
			(in.w.c.)	(mbar)	(cfm)	(m3/min)			(psig)	(bar)	(in.w.c.)	(mbar)	(MMBTU/h)	(MW)	(ft)	(m)	(ft)	(m)
Low Fire	0	1.5	3.0	7.5	1007	28.5	29.5	2	2.5	0.17	0.1	0.2	7.0	1.85	1.5	0.46	1	0.30
	30	1.5	3.2	8.0	964	27.3	29.6	2	2.5	0.17	0.1	0.4	7.0	1.85	1.5	0.46	1	0.30
	60	1.5	2.6	6.5	1007	28.5	29.6	2	2.5	0.17	0.1	0.4	7.0	1.85	1.5	0.46	1	0.30
25%	0	3	6.6	16.4	1394	39.5	33.0	3	2.5	0.17	0.7	2.6	12.2	3.23	9	2.74	3	0.91
	30	3	7.0	17.4	1511	42.8	32.9	3	2.5	0.17	0.7	2.6	12.2	3.23	9	2.74	3	0.91
	60	3	8.3	20.7	1511	42.8	32.9	3	2.5	0.17	0.7	2.6	12.2	3.23	8	2.44	3	0.91
50%	0	4.5	22.1	55.0	2362	66.9	41.3	4.5	2.4	0.17	2.8	10.6	24.5	6.48	10	3.05	3	0.91
	30	4.5	23.3	58.0	2344	66.4	41.0	4.5	2.4	0.17	2.8	10.6	24.5	6.48	10	3.05	3.5	1.07
	60	4.5	25.9	64.4	2380	67.4	40.3	4.5	2.4	0.17	2.8	10.6	24.5	6.48	10	3.05	4	1.22
75%	0	7	48.7	121.2	3378	95.7	50.8	6.5	2.4	0.17	6.7	25.4	37.0	9.79	15.5	4.72	2.5	0.76
	30	7	49.7	123.7	3378	95.7	50.5	6.5	2.4	0.17	6.7	25.4	37.0	9.79	14	4.27	3	0.91
	60	7	51.8	128.9	3049	86.3	48.6	6.5	2.4	0.17	6.7	25.4	37.0	9.79	10	3.05	3.75	1.14
100%	0	10	58.4	145.3	3791	107.4	54.4	10	2.4	0.17	11.9	45.2	49.0	12.96	18	5.49	2	0.61
	30	10	58.9	146.5	3735	105.8	53.9	10	2.4	0.17	11.9	45.2	49.0	12.96	16	4.88	4	1.22
	60	10	60.1	149.5	3620	102.5	51.8	10	2.4	0.17	11.9	45.2	49.0	12.96	10	3.05	5	1.52
Not Firing	0	10	58.2	144.8	3791	107.4	54.8											
	30	10	58.6	145.8	3735	105.8	54.3											
	60	10	60.5	150.5	3510	99.4	51.2											

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Test Date	September 2004
Ambient Temperature	70°F (21°C)
Barometric Pressure	29.49 in.Hg (749 mm Hg)
Blower Size	Hauck TBA 36-50
Blower 100% / 115%	59.0 / 67.9 FLA (Full Load Amp Draw)
Fuel Type	Natural Gas with HHV = 1,034 BTU/ft3 (Standard) / LHV = 10.21 kWh/nm3 (Metric), 0.59 S.G., and stoichiometric ratio of 9.74:1
Fuel Valve and Meter	3 inch butterfly valve / OMG240 with 3.154 inch Bore
Sleeve Type	Low Velocity



Hauck StarJet 260G Capacity & Performance Table Liquid Propane Firing

Burner Input	Spin Position (degrees)	BURNER AIR						BURNER FUEL						Flame Length		Flame Diameter		
		Air Valve Position	Body Pressure		Air Flow		Blower Amps	Fuel Valve Position	Fuel Inlet pressure		Fuel Flow		Firing Rate					
			(in. w.c.)	(mbar)	(cfm)	(m3/min)			(psig)	(bar)	(gpm)	(lpm)	(MMBTU/h)	(MW)	(ft)	(m)	(ft)	(m)
Low Fire	0	1	1.2	3.0	964	27.3	30.0	1	240	16.55	1.3	4.9	7.0	1.85	2	0.61	2	0.61
	30	1	1.2	3.0	872	24.7	30.0	1	240	16.55	1.3	4.9	7.0	1.85	2	0.61	2	0.61
	60	1	1.5	3.7	919	26.0	30.0	1	240	16.55	1.3	4.9	7.0	1.85	2	0.61	2	0.61
25%	0	2.5	3.8	9.5	1267	35.9	32.7	1.75	240	16.55	2.2	8.5	12.2	3.23	5	1.52	2.5	0.76
	30	2.5	4	10.0	1233	34.9	32.4	1.75	240	16.55	2.2	8.5	12.2	3.23	5	1.52	2.5	0.76
	60	2.5	4.9	12.2	1300	36.8	32.7	1.75	240	16.55	2.2	8.5	12.2	3.23	5	1.52	2.5	0.76
50%	0	5	26.9	66.9	2617	74.1	42.8	2.5	240	16.55	4.5	17.0	24.5	6.48	9	2.74	3	0.91
	30	5	28.2	70.2	2535	71.8	42.5	2.5	240	16.55	4.5	17.0	24.5	6.48	8.5	2.59	3.5	1.07
	60	5	31.2	77.6	2518	71.3	41.8	2.5	240	16.55	4.5	17.0	24.5	6.48	8.5	2.59	3.5	1.07
75%	0	7.5	51.6	128.4	3250	92.0	52.2	4	240	16.55	6.8	25.6	37.0	9.79	15	4.57	2.5	0.76
	30	7.5	52.5	130.6	3440	97.4	51.8	4	240	16.55	6.8	25.6	37.0	9.79	12	3.66	3.5	1.07
	60	7.5	54.2	134.8	3250	92.0	50.0	4	240	16.55	6.8	25.6	37.0	9.79	10	3.05	4	1.22
100%	0	10	58.2	144.8	3561	100.8	54.8	6.75	235	16.20	9.0	34.0	49.0	12.96	16	4.88	2	0.61
	30	10	58.7	146.0	3440	97.4	53.7	6.75	235	16.20	9.0	34.0	49.0	12.96	14	4.27	3	0.91
	60	10	59.9	149.0	3315	93.9	51.4	6.75	235	16.20	9.0	34.0	49.0	12.96	10	3.05	4.5	1.37
Not Firing	0	10	57.8	143.8	3678	104.2	54.8											
	30	10	58.3	145.1	3620	102.5	54.3											
	60	10	59.8	148.8	3440	97.4	51.2											

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Barometric Pressure	29.49 in.Hg (749 mm Hg)
Blower Size	Hauck TBA 36-50
Blower 100% / 115%	59.0 / 67.9 FLA (Full Load Amp Draw)
Fuel Type	Liquid Propane with HHV = 91,000 BTU/USgal (Standard) / LHV = 6.5 kWh/liter (Metric), 0.5 S.G., and stoichiometric ratio of 850:1
Fuel Valve	Hauck H-1/2-24
Sleeve Type	Low Velocity