

Hauck StarJet 200G 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	0	1.3	3.2	865	24.5	22.6	0	44	3.03	0.70	2.7	5.8	1.53	2	0.61	2	0.61	
	30	0	1.6	4.0	865	24.5	22.6	0	44	3.03	0.70	2.7	5.8	1.53	2	0.61	2	0.61	
	60	0	1.9	4.7	865	24.5	22.5	0	44	3.03	0.70	2.7	5.8	1.53	2	0.61	2	0.61	
25%	0	3	12.3	30.6	1352	38.3	26.5	1.5	43	2.96	1.2	4.6	10.1	2.67	4	1.22	2.5	0.76	
	30	3	14	34.8	1352	38.3	26.3	1.5	43	2.96	1.2	4.6	10.1	2.67	3	0.91	2.5	0.76	
	60	3	16.5	41.1	1302	36.9	26.2	1.5	43	2.96	1.2	4.6	10.1	2.67	3	0.91	2.5	0.76	
50%	0	5	31.6	78.6	2252	63.8	35.2	2.75	41	2.83	2.4	9.2	20.2	5.34	8	2.44	3.5	1.07	
	30	5	33.8	84.1	2252	63.8	34.6	2.75	41	2.83	2.4	9.2	20.2	5.34	7	2.13	3.5	1.07	
	60	5	37	92.1	2230	63.2	33.8	2.75	41	2.83	2.4	9.2	20.2	5.34	6.5	1.98	4	1.22	
75%	0	7	52.3	130.1	2955	83.7	43.2	4.75	40	2.76	3.7	13.9	30.3	8.01	13	3.96	4	1.22	
	30	7	53.2	132.4	2955	83.7	42.2	4.75	40	2.76	3.7	13.9	30.3	8.01	11	3.35	5	1.52	
	60	7	54.5	135.6	2810	79.6	40.6	4.75	40	2.76	3.7	13.9	30.3	8.01	9	2.74	5	1.52	
100%	0	10	59.3	147.5	3225	91.3	46.9	8.25	38	2.62	4.9	18.5	40.5	10.71	16	4.88	5.5	1.68	
	30	10	59.9	149.0	3159	89.5	44.9	8.25	38	2.62	4.9	18.5	40.5	10.71	13	3.96	6	1.83	
	60	10	59.8	148.8	3110	88.1	42.4	8.25	38	2.62	4.9	18.5	40.5	10.71	10	3.05	6.5	1.98	
Not Firing	0	10	59.9	149.0	3260	92.3	47.9												
	30	10	60.1	149.5	3207	90.8	45.9												
	60	10	60.1	149.5	3159	89.5	43.4												

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 36-40
Blower 100% / 115%	46.5 / 53.5 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 FL-1/2-20
Sleeve Type	High Velocity

Hauck StarJet 200G 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		(ft)	(m)	(ft)	(m)	
			(in.w.c.)	(mbar)	(cfm)	(m3/min)			(psig)	(bar)	(in.w.c.)	(mbar)	(MMBTU/h)	(MW)					
Low Fire	0	0	1.3	3.2	1000	28.3	22.3	1.5	2.5	0.17	0.1	0.2	5.8	1.53	1.5	0.46	2	0.61	
	30	0	1.6	4.0	987	28.0	22.3	1.5	2.5	0.17	0.1	0.4	5.8	1.53	1.5	0.46	2	0.61	
	60	0	1.9	4.7	1000	28.3	22.4	1.5	2.5	0.17	0.1	0.4	5.8	1.53	1.5	0.46	2	0.61	
25%	0	1.5	2.8	7.0	1302	36.9	23.1	2.75	2.5	0.17	0.4	1.5	10.1	2.67	5	1.52	3	0.91	
	30	1.5	3.2	8.0	1250	35.4	23.2	2.75	2.5	0.17	0.4	1.5	10.1	2.67	4.5	1.37	3	0.91	
	60	1.5	3.7	9.2	1250	35.4	23.3	2.75	2.5	0.17	0.4	1.5	10.1	2.67	4	1.22	3	0.91	
50%	0	3	9.5	23.6	2080	58.9	27.2	3.75	2.4	0.17	1.9	7.2	20.2	5.34	13	3.96	3	0.91	
	30	3	10.5	26.1	2054	58.2	27.0	3.75	2.4	0.17	1.9	7.2	20.2	5.34	10.5	3.20	3.5	1.07	
	60	3	12.7	31.6	2112	59.8	26.9	3.75	2.4	0.17	1.9	7.2	20.2	5.34	9	2.74	4	1.22	
75%	0	5.5	39.0	97.0	2370	67.1	38.2	5.5	2.4	0.17	4.45	16.8	30.3	8.01	15	4.57	4	1.22	
	30	5.5	40.4	100.5	2292	64.9	37.5	5.5	2.4	0.17	4.45	16.8	30.3	8.01	11	3.35	5	1.52	
	60	5.5	43.2	107.5	2310	65.4	36.4	5.5	2.4	0.17	4.45	16.8	30.3	8.01	10	3.05	5	1.52	
100%	0	10	59.6	148.3	3225	91.3	46.9	9	2.4	0.17	8.05	30.5	40.5	10.71	16	4.88	4	1.22	
	30	10	59.8	148.8	3207	90.8	44.9	9	2.4	0.17	8.05	30.5	40.5	10.71	14	4.27	6	1.83	
	60	10	59.9	149.0	3180	90.1	42.4	9	2.4	0.17	8.05	30.5	40.5	10.71	10	3.05	6	1.83	
Not Firing	0	10	59.7	148.5	3280	92.9	47.9												
	30	10	60.0	149.3	3225	91.3	45.9												
	60	10	60.0	149.3	3159	89.5	43.4												

Table Issue Date	July 2016
Test Date	September 2004
Ambient Temperature	68°F (20°C)
Barometric Pressure	29.49 in.Hg (749 mm Hg)
Blower Size	Hauck TBA 36-40
Blower 100% / 115%	46.5 / 53.5 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 200G 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		(ft)	(m)	(ft)	(m)			
			(in.w.c.)	(mbar)	(cfm)	(m3/min)			(psig)	(bar)	(gpm)	(lpm)	(MMBTU/h)	(MW)							
Low Fire	0	0	1.3	3.2	1000	28.3	22.6	1	230	15.86	1.1	4.0	5.8	1.53	3.5	1.07	2	0.61			
	30	0	1.6	4.0	987	28.0	22.5	1	230	15.86	1.1	4.0	5.8	1.53	3.5	1.07	2	0.61			
	60	0	1.9	4.7	1000	28.3	22.4	1	230	15.86	1.1	4.0	5.8	1.53	3.5	1.07	2	0.61			
25%	0	3	12.4	30.9	1352	38.3	26.0	1.5	225	15.51	1.8	7.0	10.1	2.67	4.5	1.37	2.5	0.76			
	30	3	13.8	34.3	1352	38.3	26.1	1.5	225	15.51	1.8	7.0	10.1	2.67	4.5	1.37	2.5	0.76			
	60	3	15.8	39.3	1302	36.9	25.9	1.5	225	15.51	1.8	7.0	10.1	2.67	4.5	1.37	2.5	0.76			
50%	0	5	31.6	78.6	2292	64.9	34.2	2.25	225	15.51	3.7	14.0	20.2	5.34	6.5	1.98	3	0.91			
	30	5	33.1	82.4	2252	63.8	33.7	2.25	225	15.51	3.7	14.0	20.2	5.34	5	1.52	3.5	1.07			
	60	5	36.0	89.6	2280	64.6	33.1	2.25	225	15.51	3.7	14.0	20.2	5.34	4	1.22	4	1.22			
75%	0	7	52.2	129.9	2995	84.8	42.3	4.25	220	15.17	5.5	21.0	30.3	8.01	12	3.66	3	0.91			
	30	7	52.7	131.1	3105	87.9	41.1	4.25	220	15.17	5.5	21.0	30.3	8.01	10	3.05	3.5	1.07			
	60	7	53.5	133.1	2995	84.8	39.5	4.25	220	15.17	5.5	21.0	30.3	8.01	9	2.74	4.5	1.37			
100%	0	10	60.0	149.3	3190	90.3	45.6	7.5	220	15.17	7.4	28.1	40.5	10.71	15	4.57	3.5	1.07			
	30	10	60.1	149.5	3159	89.5	44.3	7.5	220	15.17	7.4	28.1	40.5	10.71	11	3.35	4	1.22			
	60	10	60.0	149.3	3110	88.1	42.0	7.5	220	15.17	7.4	28.1	40.5	10.71	10	3.05	5	1.52			
Not Firing	0	10	60.1	149.5	3270	92.6	46.6														
	30	10	60.0	149.3	3190	90.3	45.3														
	60	10	60.1	149.5	3159	89.5	43.0														

Table Issue Date	July 2016
Test Date	September 2004
Ambient Temperature	67°F (20°C)
Barometric Pressure	29.49 in.Hg (749 mm Hg)
Blower Size	Hauck TBA 36-40
Blower 100% / 115%	46.5 / 53.5 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-1/2-20
Sleeve Type	Low Velocity

