



HySpeed® Plasma HSD130®

Easy, reliable, and incredibly productive conventional LongLife® oxygen plasma cutting system

Mild steel cut capacity	
Dross free	16 mm (5/8")
Production pierce	25 mm (1")
Maximum cutting capacity	38 mm (1-1/2")
Stainless steel cut capacity	
Production pierce	20 mm (3/4")
Maximum cutting capacity	25 mm (1")
Aluminum cut capacity	
Production pierce	20 mm (3/4")
Maximum cutting capacity	25 mm (1")

Incredibly productive

Positioned between Powermax air plasma and HyPerformance HyDefinition plasma systems, the HSD130 features impressive cut speeds, rapid piercing and minimal secondary operations for maximum productivity.

Easy to use

One of the easiest plasma systems available on the market for oxygen and air plasma cutting – easy to install, easy to run, easy to troubleshoot.

Unmatched reliability

Rigorous, extensive testing, backed by four decades of experience, guarantees the Hypertherm quality you know you can count on.

Cost-effective

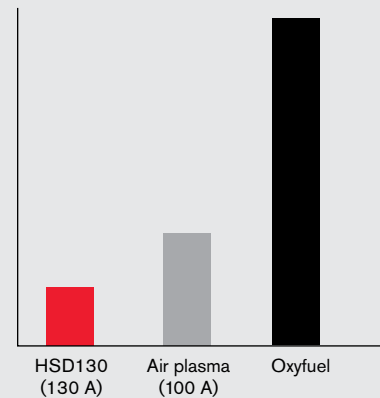
Ease of use, reliability, and productivity all add up to a more cost-effective system than other metal cutting solutions.

Flexibility

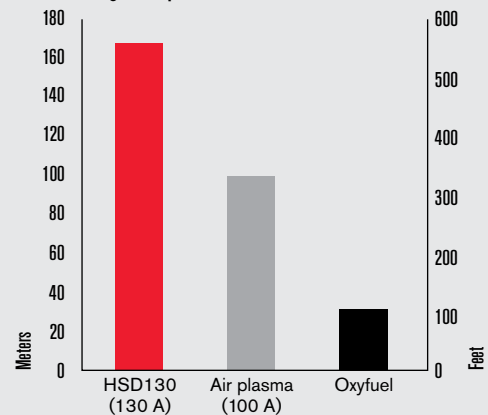
An optional fuel gas console delivers F5 and H35 for superior cut quality on ferrous materials.



Relative cost per meter and feet
Includes labor rate



Length cut per hour in meters and feet



Specifications

Input voltages	VAC	Hz	Amps	Approvals
	200/208	50-60	62/60	CSA
	220	50-60	56	CSA
	240	60	52	CSA
	380	50-60	33	CCC
	400	50-60	32	CE, GOST-R
	440	50-60	28	CSA
	480	60	26	CSA
600	60	21	CSA	
Output current	130 A (maximum)			
Duty cycle	100% at 40° C (104° F), 19.5 kW			
Maximum OCV	311 VDC			
Operating temperature	-10° C to +40° C (+14° F to +104° F)			
Dimensions	107 cm H, 57 cm W, 112 cm L (42.25" H, 22.5" W, 44" L)			
Weight	286 kg (631 lbs)			
Gas supply	Plasma gas	O ₂ , Air, N ₂ , F5*, H35**		
	Shield gas	Air, N ₂		
	Gas pressure	7.93 bar (115 psi) 6.55 bar (95 psi) - Air		
Fuel-gas console (optional)	Required for F5 and H35 fuel gases			

* F5 = 95% N₂, 5% H

**H35 = 35% H, 65% Ar



Cut with confidence

- Hypertherm is ISO 9001: 2000 registered.
- Hypertherm's full-system warranty provides complete coverage for one year on the torch and leads and two years on all other system components.
- Hypertherm's plasma power supplies are engineered to deliver industry leading energy efficiency and productivity with power efficiency ratings of 90% or greater and power factors up to 0.98. Extreme energy efficiency, long consumable life, and lean manufacturing lead to the use of fewer natural resources and a reduced environmental impact.

One of Hypertherm's long-standing core values is a focus on minimizing our impact on the environment. Doing so is critical to our, and our customers', success. We are always striving to become better environmental stewards; it is a process we care deeply about.



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SHAPING POSSIBILITY™

Operating data

Material	Current (amps)	Thickness (mm)	Approximate cutting speed (mm/min)	Thickness (inches)	Approximate cutting speed (ipm)	
Mild steel Air plasma Air shield	45	0.5	8930	26 ga.	360	
		1	7750	20 ga.	315	
		3	3300	0.135	90	
		6	1575	1/4	60	
	O ₂ plasma Air shield	50	0.5	7550	26 ga.	300
			1	6775	20 ga.	270
			3	3650	0.135	130
			6	1750	1/4	65
	O ₂ plasma Air shield	130	3	6500	0.135	240
			6	4000	1/4	150
			10	2650	3/8	110
			12	2200	1/2	80
15			1650	5/8	60	
25			675	1	25	
32			480	1-1/4	20	
38			305	1-1/2	12	
Air plasma Air shield	130	3	6000	0.135	220	
		6	3850	1/4	150	
		10	2450	3/8	100	
		12	2050	1/2	75	
		20	810	3/4	35	
		25	410	1	15	
Stainless steel Air plasma Air shield	45	0.5	6800	26 ga.	270	
		1	5600	20 ga.	230	
		3	2250	0.135	70	
		6	1050	1/4	40	
	N ₂ plasma N ₂ shield	45	0.5	7000	26 ga.	280
			1	5850	20 ga.	240
			3	2450	0.135	75
			6	1125	1/4	40
	F5 plasma† N ₂ shield	45	0.5	7000	26 ga.	280
			1	5875	20 ga.	240
			3	2740	0.135	100
			6	1325	1/4	45
Air plasma Air shield	130	6	2600	1/4	100	
		10	1700	3/8	70	
		12	1380	1/2	50	
		15	900	5/8	30	
		20	430	3/4	20	
		N ₂ plasma N ₂ shield	130	6	2340	1/4
10	1640			3/8	70	
12	1080			1/2	35	
20	300			3/4	15	
H35 plasma† N ₂ shield	130	10	980	3/8	40	
		12	820	1/2	30	
		20	360	3/4	15	
		25	260	1	10	
Aluminum Air plasma Air shield	45	0.5	7600	0.016	310	
		1	6350	0.032	270	
		1.5	5000	0.064	185	
		3	2400	1/8	90	
	Air plasma Air shield	130	6	1150	1/4	40
			6	2370	1/4	90
			10	1465	3/8	60
			12	1225	1/2	45
	H35 plasma† N ₂ shield	130	20	725	3/4	30
			25	525	1	20
			10	1615	3/8	65
			12	1455	1/2	55
H35 plasma† N ₂ shield	130	20	940	3/4	40	
		25	540	1	20	

†Optional fuel-gas console required for H35 and F5 plasma.

Note: Take care in comparison: Competitors often show maximum cutting speeds, rather than speeds that deliver the best cuts, as shown above. Cut speeds listed above deliver best cut quality, but maximum cut speeds can be up to 50% faster.

