

BASIC TORCH SPECIFICATIONS

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	27A	27B
CAPACITY:	500 Amp	500 Amp
ELECTRODE RANGE:	.040-1/4"	.040-1/4"
BODY LENGTH:		
from shaft knob to end of nozzle	9" (22.8cm)	20" (50.8cm)
HEAD ANGLE:	180 degrees	180 degrees
BARREL DIAMETER:		
WEIGHT:		
w/Torch, barrel, gas lens	24 oz. (746.5 grams)	36 oz. (1119.7 grams)
COOLING REQUIREMENTS:		2 qt/min (1.9l/min) Max. Pressure: 50 PSI (345 KPa)

NOTES	

KEY DESCRIPTION PART NO.								
ELECTRODE DIAMETER		.040" 1.0mm	1/16" 1.6mm	3/32" 2.4mm	1/8" 3.2mm	5/32" 4.0 mm	3/16" 4.8 mm	1/4" 6.4 mm
NOZZLE SIZE		#5	#6	#7	#10,#12,#8	#10,#12,#15	#10,#12,#15	#10,#12,#15
12	Collet	57N45	57N46	57N47	57N48	57N49	57N50	57N51
14	Gas Lens	49V22	49V23	49V24	49V25	49V26	49V27	49V28
15	Gasket	57N56	57N56	57N56	57N56	57N56	57N56	57N56
16	Alumina Nozzle		57N75		57N74	53N88(10) 53N57(12) 53N89*(15)	53N88(10) 53N57(12) 53N89*(15)	53N88(10) 53N57(12) 53N89*(15)

KEY	DESCRIPTION	PART No.	KEY	DESCRIPTION	PART No.
1A	Shaft Assy. "A" model incl. shaft, knob, 1 ea. 27-13-2 & 27-13-3 O-Rings	27-13A	16	Alumina Nozzle	See Chart
1B	Shaft Assy. "B" model incl. shaft, knob, 1 ea. 27-13-2 & 27-13-3 O-Rings	27-13B	17	Insulating Boot	27-12
2	O-Ring	27-13-2	18	Water Hoses	40V83R-3
3	O-Ring	27-13-3		3 Ft. (.9m)	40V83R
4A	Torch Body (9")	27A	19	25 Ft. (7.6m)	40V83RL
4B	incl. shaft Assy. barrel & boot	27B		Power Cables	40V84R-3
5	Torch Body (20")	27-11	20	3 Ft. (.9m)	40V84R
6	incl. shaft Assy. barrel & boot	27-10		25 Ft. (7.6m)	40V84RL
6A	#6 bronze lock washer	27-19		Gas Hoses	40V82R-3
7	6-32x5/16" screw	27-2-4		3 Ft. (.9m)	40V82R
8	O-Ring	27R32	21	12.5 Ft. (3.8m)	40V82RL
9	Barrel rack "B" model only	27R24		25 Ft. (7.6m)	
10	32 pitch (1/4" x 1/4" x 11")	18R-1		Power Cable Adapter	
11A	Barrel rack "B" model only	27-10A			
11B	24 pitch (1/4" x 1/4" x 11")	27-10B			
12	6-32x3/16" fillister head screw	27-9B			
13	Barrel Assy. "A" model incl: 3 ea 27-10 screws, 3 ea. 27-11 washers	See Chart			
14	Barrel Assy. "B" model incl: 3 ea 27-10 screws, 3 ea. 27-11 washers	181W89			
15	Barrel Assy. with rack holes	See Chart			
	Collet	57N56			
	O-Ring				
	Gas Lens				
	Gasket				

