SUPERIOR TOOL RENTAL & REPAIR

POWERMAX85

POWERMAX125

Hypertherm® Powermax Plasma Systems

SPECIFICATIONS		
Item #	**POWERMAX85**	**POWERMAX125**
Input Voltage	200-480 V, 1-PH, 50/60 Hz 200-600 V, 3-PH, 50/60 Hz	480/600 V, 3-PH, 50/60 Hz
Kilowatt Output	12.2 kW	21.9 kW
Input Current @ 12.2 kW	200/208/240/480 V, 1-PH 70/68/58/29 A 200/208/240/480/600 V, 3-PH 42/40/35/18/17 A	480/600 V, 31/24 A
Output Current	25-85 A	30-125 A
Rated Output Voltage	143 VDC	175 VDC
Duty Cycle @ 104ºF	60% @ 85 A, 230-600 V, 3-PH 60% @ 85 A, 480 V, 1-PH 50% @ 85 A, 240 V, 1-PH 50% @ 85 A, 200-208 V, 3-PH 40% @ 85 A, 200-208 V, 1-PH 100% @ 66 A, 230-600 V, 1/3-PH	100% @ 125 A, 480/600 V, 3-PH
Open Circuit Voltage (OCV)	305 VDC	320 VDC
Dimensions w/ Handles	**D** 19.7" **W** 9.2" **H** 17.9"	**D** 23.3" **W** 10.8" **H** 20.0"
Gas Supply	Clean, dry, oil-free air or nitrogen	Clean, dry, oil-free air or nitrogen
Recommended Gas Inlet Flow Rate/Pressure	**Cutting:** 400 scfh, 6.7 scfm @ 85 psi **Gouging:** 450 scfh, 7.5 scfm @ 70 psi	**Cutting:** 260 l/min (550 scfh) @ 5.9 bar (85 psi) **Gouging:** 212 l/min (450 scfh) @ 4.1 bar (60 psi)
Input Power Cable Length	10 ft	10 ft
Power Supply Type	Inverter - IGBT	Inverter - IGBT
Engine Drive Requirement	20 kW for full 85 A output	40 kW for full 125 A output
Certifications	CSA-certified for use in the Americas	CSA-certified for use in the Americas
Weight w/ 25 Ft Torch	71 lbs	**480 V** 105.7 lbs **600 V** 104.7 lbs

CAPACITY	THICKNESS CUTTING	CUT SPEED	THICKNESS CUTTING	CUT SPEED
Item #	**POWERMAX85**		**POWERMAX125**	
Recommended Capacity	1" 1-1/4"	20 ipm 10 ipm	1-1/2" 1-3/4"	18 ipm 10 ipm
Severance Capacity	1-1/2"	5 ipm	2-1/4"	5 ipm
Pierce* Capacity	3/4"	-1"	-	

CAPACITY	METAL REMOVAL RATE GOUGING	GROOVE PROFILE**	METAL REMOVAL RATE GOUGING	GROVE PROFILE**
Item #	**POWERMAX85**		**POWERMAX125**	
Typical Gouge Capacity	19.5 lbs per hour	**D** 0.23" **W** 0.28"	27.6 lbs per hour	**D** 0.17-0.31" **W** 0.24-0.39"

*Pierce rating for handheld use or with automatic torch height control **Actual groove profile varies with torch angle, arc stretch, and technique