

HYPERTHERM

# POWERMAX 45 XP

INVERTER BASED AIR PLASMA CUTTING MACHINES



## Key Attributes

POWERMAX 45 XP is a professional-grade plasma system for cutting 5/8" thick metal, gouging, and marking.

### SALIENT FEATURES:

- Small size and light weight provides exceptional portability for a 5/8" rated cutting system.
- Handheld and mechanized usage with CNC interface and FastConnect™ torch connection.
- Patented drag-cutting technology makes it easy to use – even for first-time operators.
- Tackle different jobs with multiple, easy-to-use torch and consumable styles.
- No need to change the air pressure. Smart Sense™



## MAXIMUM PRODUCTIVITY

- Finish jobs faster with cut speeds one and a half times greater than oxyfuel on 1/4" mild steel.
- Spend less time on grinding and edge preparation due to superior cut and gouge quality.
- Fast change out of consumables using the new torch disable switch feature.
- RUGGED AND RELIABLE
- Duramax® Lock torches are designed for high-impact and heat resistance.
- SpringStart™ technology ensures consistent starting and a more reliable torch.
- Hypertherm Certified™ reliability ensures performance in the most demanding environment.

## TECHNICAL SPECIFICATIONS

PARAMETERS	VALUE	UNIT
INPUT VOLTAGE SINGLE PHASE (± 10%)	200–240, 1, 50–60	VOLTS AC, NO., HZ
INPUT VOLTAGE THREE PHASE (± 10%)	480 V AC, 3, 50–60	VOLTS AC, NO., HZ
INPUT CURRENT @ 6.5 KW	39/32 @ 200 - 240 V 1-PHASE; 9.4 @ 480 V, 3-PHASE	AMPS, AC
OUTPUT CURRENT	10 – 45	AMPS, DC
RATED OUTPUT VOLTAGE	145	VOLTS, DC
DUTY CYCLE @ 40° C	45 @ 50%, 41 @ 60%, 32 @ 100%	AMPS, DC
OPEN CIRCUIT VOLTAGE (OCV)	275	VOLTS, DC
DIMENSIONS WITH HANDLES (L X W X H)	17.4" X 6.8" X 14.1"	INCHES
WEIGHT WITH 20 FEET TORCH	31	POUNDS (LB)
GAS SUPPLY	CUTTING: AIR (CLEAN, DRY AND OIL-FREE), NITROGEN, GOUGING: AIR (CLEAN, DRY AND OIL-FREE), NITROGEN, MARKING: AIR (CLEAN, DRY AND OIL-FREE), ARGON	INCHES
RECOMMENDED GAS INLET FLOW RATE/PRESSURE	400 SCFH @ 90 PSI	SCFH / PSI
INPUT POWER CABLE LENGTH	10'	FEET
ENGINE DRIVE REQUIREMENT	10 KW FOR FULL 45 AMPS OUTPUT	
CERTIFICATIONS	CSA-CERTIFIED FOR USE IN THE AMERICAS AND ASIA	