THERMAMAX

PEGASUS

ARC160C INVERTER

THERMAMAX FLAGSHIP RANGE

Introducing the **PEGASUS** MMA Inverter series of machines by Thermamax.

This technologically advanced range of machines has a unique electrical structure and air channel design. This results in more efficient cooling and a better duty cycle. They also come standard with advanced *Insulated-Gate Bipolar Transistor (IGBT)* Inverter Technology. IGBT Inverter Technology utilises a three-terminal power semiconductor device as a switch, resulting in a much higher efficiency and faster switching speeds, with a greater voltage capability. Put simply, this translates to a much higher efficiency, with less draw on power from the primary supply - saving costs.

The **PEGASUS ARC 160C** Inverter has a hot-start ignition function, making MMA welding easier, and more reliable. It also has self-adaptive arc force technology. Each machine is capable of welding both rutile and cellulosic electrodes. This machine also has easy-arc starting, less spatter, stable current and excellent weld shaping. The PEGASUS ARC 160C has a built-in **VRD** (Voltage Reduction Device) which reduces the maximum unloaded open circuit voltage across the output terminals to a safe voltage.

The Thermamax PEGASUS range comes with a 3-year conditonal warranty.

TECHNICAL PARAMETERS

PARAMETER	UNIT	ARC160C
RATED INPUT VOLTAGE		AC230V±15%; 50/60HZ
RATED INPUT POWER	KVA	7.1
WELDING CURRENT RANGE	A	10 - 160
	V	20.4 - 26.4
RATED DUTY CYCLE @30°C	%	60%
NO-LOAD VOLTAGE	V	15
OVERALL EFFICIENCY	%	85
HOUSING PROTECTION GRADE	IP	IP21S
POWER FACTOR	cosϕ	0.7
INSULATION GRADE		F
STANDARD		IEC60974-1
NOISE	db	<70
SIZE WITH HANDLE	mm	420*170*305mm
WEIGHT	KG	6.1
APPLICABLE ELECTRODE	mm	1.0 - 4.0
INPUT CURRENT	A	30.3

Three-year Conditional Warranty

Weldamax warrants all Thermamax Machines against any defects in materials and workmanship (parts and labour) for a period of three years.