**TECHNICAL SPECIFICATIONS:-**

* **POWER SOURCE : CHAMP VERSA 800**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Parameter** | **Unit** | **Value** | |
| **1** | **Normal input voltage** | **VAC** | **415 V** | |
| **2** | **Input voltage range** | **VAC** | **415 +15% -10%** | |
| **3** | **Phase** | **No.** | **3** | |
| **4** | **Frequency** | **Hz** | **50 / 60** | |
| **5** | **Input Power @ 415VAC** |  |  | |
| **@ 100 % Duty Cycle** | **KVA** | **36** | |
| **@ 60 % Duty Cycle** | **KVA** | **46** | |
| **6** | **Maximum Input Supply Current @ 415VAC** |  |  | |
| **@ 100 % Duty Cycle** | **A** | **50** | |
| **@ 60 % Duty Cycle** | **A** | **64** | |
| **7** | **Efficiency** | **%** | **> 85** | |
| **8** | **Power Factor** | **λ** | **0.9 Max** | |
| **9** | **Open circuit voltage @ 415V Input Supply** | **VDC** | **89V +/-5V** | |
| **10** | **Welding current range** | **A** | **MMA** | **MIG** |
| **100 – 800** | **100-600** |
| **11** | **Welding current** |  |  | |
| **@ 100 % duty cycle** | **A** | **600** | |
| **@ 60 % duty cycle (10minute cycle)** | **A** | **800** | |
| **12** | **Suitable Welding Electrode size**  **(Diameter) MMA Mode** | **mm** | **3.2 , 4.0, 5.0,6.3** | |
| **13** | **Suitable Welding Electrode size**  **(Diameter) GOUGING Mode** | **mm** | **Up to 9.0** | |
| **14** | **Suitable wire size (Diameter) MIG Mode**  **Steel** | **mm** | **1.2,1.6** | |
| **14** | **Front Panel functions** | **-** | 1. **Mains ON – Green LED Indicator** | |
| 1. **TRIP – Red LED Indicator to indicate that the machine is in protection mode.** | |
| 1. **MMA/ GOUGING MODE- Red LED Indication** | |
| 1. **MIG MODE – Red LED Indication** | |
| 1. **REMOTE ON – Red LED Indication** | |
| 1. **DPM for Display of Current/ Wire Speed and Voltage(with LED Indication)** | |
| 1. **Current/ Wire Speed Adjustment Encoder** | |
| 1. **Remote Control Socket** | |
| 1. **Power ON/OFF Rotary Switch** | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Parameter** | **Unit** | **Value** |
| **15** | **Remote control** | **-** | **Remote control for setting welding current in MMA mode.** |
| **16** | **Protections (AUTO Resettable)** | **-** | **Over voltage, Under voltage, Single-phase protection. Over temperature protection** |
| **17** | **Cooling** | **Type** | **Forced air** |
| **18** | **Class of Insulation** | **-** | **H** |
| **19** | **Degree of protection** | **-** | **IP23 (S)** |
| **20** | **Weight (Approx.)** | **KG** | **92 Kg** |
| **21** | **Dimensions** | **mm** | **805mm x 470mm x 895mm** |

* **WELDING PARAMETER SPECIFICATIONS (MMA MODE)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Parameter** | **Unit** | **Value** |
| **01** | **Welding Current** | **Amp** | **100 to 800** |
| **02** | **Arc Force** | **%** | **0 to 100** |

* **WIRE FEEDER SPECIFICATIONS (REACHFEED 40):**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Parameter** | **Unit** | **Value** |
| **01** | **Suitable for Wire Sizes** | **mm** | **0.8,1.0,1.2,1.6,2.0** |
| **02** | **Wire feed Speed** | **Mtr/min** | **2.5-22** |
| **03** | **Wire Roll Drive** | **Type** | **4 Roll** |
| **04** | **Wire Drive Motor** | **Type** | **Permanent Magnet D.C. 42 V, 80 Watts** |
| **05** | **Dimensions:**  **Length**  **Width**  **Height** | **mm**  **mm**  **mm** | **655**  **227**  **400** |
| **06** | **Weight (Approx.)**  **Without spool & cable assembly** | **Kg** | **13** |