

Specification & Technical Data Sheet

View Side 'A' 3 Phase & Single Phase

View Side : 'B' Single Phase Only

View Side 'C' : Welding Output



Start Key
(Normal Use < 8 KW)

Start Key
(Load > 8 KVA / 600 A Welding)

DC Welding 600 A & 200 A

DC - WELDER GENSET

HPW - 3P - AC/DC - 600 A

TWIN ENGINES - QUAD ALTERNATORS

Special Highlights & Applications

Max. Output : 17 KVA

3 Phase - 415 V - 8.5 KVA /

1 Phase AC 230 - 8.5 KVA / DC Welding Current - 600 Amps

* World's Most Portable, Compact, Professional & High Power Arc Welding Machine Cum Ac Generator.
 * Suitable for All Type of Welding, Including Structural Welding Rods 7018 / Hand Facing Electrodes 6mm or big, best for Heavy welding of Thick Plate, with > 100 Feet Cable Length. This Machine Saves lot of Fuel because of twin Engine Design, Second engine Starts only when Load requirements are Very high.
 * Application: Welding Jobs of Carriage & wagon (C&W) for Railway , Big Diameter Pipe Line welding , All Heavy Structural Welding / Cutting / Joint Filling, New Infra Sites needs 3 Phase, Single Phase Power Welding job Simultaneously

D C WELDING	Maximum DC Output Amps.	600 Amps.	DC Welding Control Panel	DC Ampere Meter - Analog	Yes (0 - 600 Amps)
	Rated DC Output Amps. (60% Duty Cycle)	550 Amps.		Digital DC Volt Meter	Yes
	Auxiliary DC Output Amps.	250 Amps.		DC Power Indicator	Yes
	Working Voltage	20 V to 50 V		Welding Current Regulation Knob	Yes
	Open Circuit Voltage	90 Volt		Main DC Output Terminals	Yes (600 Amps)
	Current Regulation Amps	75 - 550 Amps		Aux. DC Output Sockets	Yes (250 Amps)
	Rectifying Mode	SCR, Phase Controlled 3-phase, Rectifying Bridge - Twin SCR Blocks		3 Phase Output Socket	Yes (Industrial 16 A Socket)
	Electrode diameter / Type	3 mm to 6.0 mm, All Type of Electrodes		Single Phase Output Socket	Yes (25 Amps)
3 - Phase Alternator AC 415 Volt	Alternator Type	Multiphase, Brush less with Rare Earth Magnetic Rotors Twin Alternators Connected in Parallel	3 Phase Control Panel	Digital Meter (V- Hz - Hour)	Yes
	Max AC. Output VA	8500		R - Y - B Phase Indicators	Yes
	Rated AC. Output VA	8000		Oil Alert Indicator	Yes
	Rated Current Amps	11 Amps per phase (415 Volts)		Circuit Breaker (MCB)	Yes (3 Phase - 14 A MCB)
	NFB Amps	14 Amps. each phase	Engine	Model	HM192PY
	AC. Voltage (On Load)	415 Volts ± 10 Volts, 50 - 60 Hz, Three Phase		Type	Twin - Engine Single Cylinder Air-cooled; 4-stroke, OHV 25° Inclined
	Auxiliary Single Phase AC Output	3500 VA		Maximum Power	16HP (Each Engine)
	Max Single Phase AC Output Amps	15 Amps.		Bore x Stroke	92x67 (Each Engine)
	AC. Voltage - Single Phase (On Load)	230 Volt ± 10 Volt		Displacement	460cc (Each Engine)
	#Alternator Max. Current Capacity	24 Amps. Per Phase		Starting System	Recoil Start / Self Start
	Alternator	Brushless, Rare Earth Magnetic Rotor THD > 5%, Pure Sine Wave		Ignition System	TCI (Transistor Control Ignition)
	*Max AC. Output VA	8500		Fuel	Standard Petrol
*Rated AC. Output VA	8000	Fuel Tank	Dual		
Rated Current Amps	34.8	Fuel Tank Capacity	20.5 Liters Each Tank		
NFB Amps	35	Fuel Consumption # Ltr./Hr.	2.5 Ltr./hr. Per Engine		
AC. Voltage at Rated Load	220 Volts ± 10 Volt 50 - 60 Hz, Single Phase	Continuous Operating Hour	Approx. 8 hr.		
AC. Voltage at No Load	250 Volts ± 5 Volt	Lube. Oil Capacity	1200 ml. Per Engine		
#Alternator Max. Current Capacity	48 Amps.	Lubricating Oil Consumption	4.3 gm./Hr.		
Single Phase Alternator - AC 230 Volt	Alternator	Brushless, Rare Earth Magnetic Rotor THD > 5%, Pure Sine Wave	Safety & Standard Features	Oil Alert System	Yes
	AC Output Socket	Yes (50 Amps)		Fuel Level Gauge	Yes
	AC Output Indicator	Yes	AC Overload Protection (NFB) - 3 Phase	Yes	
	Digital Meter (V- Hz - Hour)	Yes	AC Overload Protection (NFB) - Single Phase	Yes	
	Digital Amps Meter	Yes	Standard Accessories	Costar Wheels and handles	Yes
	Circuit Breaker (MCB)	Yes		Tool Kit	1 Set
Oil Alert Indicator	Yes	Welder Holder		2 Sets.	
Size & Weight	Dimension LxWxH (mm)	1110 X 970 X 800 (mm)		Earthing Clamp with 5 Mtr. Cable	2 Sets.
	Dry Weight (Kgs.) Without Battery	280 Kgs.		Oil Funnel	1 No.
	Battery Specification	SMF 12 Volt 18 Ah Size = 182 X 78 X 165 (L×W×H)		Owner's Manual	1 No.
Specifications are for reference only, Because of continuous improvements and up-gradation by our R&D team. This specifications can change without any prior intimation			3 - Phase Output Plug	1 No.	
			Single Phase AC Plug (15 Amps)	1 No.	
			Single Phase AC Plug (50 Amps)	1 No.	