



# RHINO-D 500 K4

THE NEW GENERATION DIESEL ENGINE-DRIVEN WELDING SET



## Key Attributes

- Chopper-based Energy Efficient, Diesel Engine-Driven Welding Generator. It is intended for heavy-duty Manual Metal ARC Welding, Gouging & TIG welding.
- Welding current remains constant irrespective of engine speed variation or change in welding cable length.
- Big savings in fuel and longer runs before the next refuelling.
- Specially proven with Cellulosic (6010, 7010G & 8010G types) and other special types of electrodes.
- The welding generator is protected against output short circuit and over temperature.
- The set also has a built-in 3-phase 22 KVA and 1-phase 6 KVA auxiliary power source for lighting, grinding, hand tools, and other auxiliary purposes.



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## TECHNICAL SPECIFICATIONS

PARAMETER	VALUE	UNIT
WELDING GENERATOR	BRUSHLESS	TYPE
WELDING CURRENT RANGE	30 - 500 A	AMPS
MAX. HAND WELDING CURRENT @ 60% DC	500 AMPS @ 40V	AMPS
MAX. HAND WELDING CURRENT @ 100% DC	400 AMPS@ 36V	AMPS
OPEN CIRCUIT VOLTAGE (MAX)	90 VDC	VOLTS
GENERALLY, CONFORMS TO	IS - 2635	IS
INSULATION	H	CLASS
<b>ENGINE</b>		
ENGINE MAKE, TYPE	KIRLOSKAR; HA - 494	-
CYLINDER	4	NOS.
ENGINE COOLING	AIR COOLED	TYPE
ENGINE RATING	52 BHP @ 1800 RPM	BHP
ENGINE RATED SPEED	1800	RPM
CONFORMS TO	ISO - 3046	ISO
STARTING (12V)	ELECTRIC	BATTERY
BATTERY CAPACITY (12V)	80 (CCA AT - 18°C AS PER IEC 420 A)	AH
FUEL CONSUMPTION	5.5	LTRS/HR.
FUEL TANK CAPACITY	70	LTRS.

## DIMENSIONS AND WEIGHT

MACHINE TYPE	SKID MOUNTED	TWO WHEEL MOUNTED	FOUR WHEEL MOUNTED
DIMENSIONS: L X W X H (MM)	2100 X 820 X 1250	3050 X 1455 X 1850	3435 X 1555 X 2100
APPROX. WEIGHT (KG)	1100	1250	1298



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## AUXILIARY PANEL RATINGS

AUXILIARY POWER SUPPLY (BUILT- IN) - MODELS WITH 220 V SINGLE PHASE			
MODE	WELD LOAD TOGETHER WITH AUXILIARY LOAD	AUXILIARY MODE ONLY WITHOUT WELD LOAD	UNIT
RATING (3 PHASE)	18 KVA (AT WELDING LOAD OF MAXIMUM 500 A, 40 V)	22 KVA TOTAL (11 KVA + 11 KVA FROM EACH SOCKET)	KVA
RATING (SINGLE PHASE)	6 KVA (AT WELDING LOAD OF MAXIMUM 500 A, 40 V)	6 KVA TOTAL (3 KVA + 3 KVA FROM EACH SOCKET)	KVA
VOLTAGES (3 & 1 PHASE)	415 / 220	415 / 220	VOLTS
FREQUENCY	60	60	HZ
PHASES	3 / 1	3 / 1	NO
MCB RATING	32 / 16	32 / 16	AMPS
AUXILIARY POWER SUPPLY (BUILT- IN) - MODELS WITH 110 V SINGLE PHASE			
MODE	WELD LOAD TOGETHER WITH AUXILIARY LOAD	AUXILIARY MODE ONLY WITHOUT WELD LOAD	UNIT
RATING (3 PHASE)	18 KVA (AT WELDING LOAD OF MAXIMUM 500 A, 40 V)	22 KVA TOTAL (11 KVA + 11 KVA FROM EACH SOCKET)	KVA
RATING (SINGLE PHASE)	6 KVA (AT WELDING LOAD OF MAXIMUM 500 A, 40 V)	6 KVA TOTAL (3 KVA + 3 KVA FROM EACH SOCKET)	KVA
VOLTAGES (3 & 1 PHASE)	415 / 110	415 / 110	VOLTS
FREQUENCY	60	60	HZ
PHASES	3 / 1	3 / 1	NO
MCB RATING	32 / 32	32 / 32	AMPS

## ORDERING CODE

PRODUCT CODE	DESCRIPTION
F10.33.102.0059	DIESEL ENGINE DRIVEN SET, MODEL : RHINO-D 500 K4, 3 PHASE AUXILIARY 415 VOLTS, 22 (11+11) KVA (2 SOCKETS); 1 PHASE AUXILIARY 110 VOLTS, 6 (3+3) KVA (2 SOCKETS) SKID MOUNTED, WITH ADDITIONAL ACCESSORIES REQUIRED FOR ZONE II APPLICATION
F10.33.102.0068	DIESEL ENGINE DRIVEN SET, MODEL : RHINO-D 500 K4, 3 PHASE AUXILIARY 415 VOLTS, 22 (11+11) KVA (2 SOCKETS); 1 PHASE AUXILIARY 110 VOLTS, 6 (3+3) KVA (2 SOCKETS) TWO WHEEL UNDERCARRIAGE, WITH ADDITIONAL ACCESSORIES REQUIRED FOR ZONE II APPLICATION
F10.33.102.0069	DIESEL ENGINE DRIVEN SET, MODEL : RHINO-D 500 K4, 3 PHASE AUXILIARY 415 VOLTS, 22 (11+11) KVA (2 SOCKETS); 1 PHASE AUXILIARY 110 VOLTS, 6 (3+3) KVA (2 SOCKETS) SKID MOUNTED, WITH ADDITIONAL ACCESSORIES REQUIRED FOR ZONE II APPLICATION



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## ORDERING CODE

PRODUCT CODE	DESCRIPTION
F10.33.102.0073	DIESEL ENGINE DRIVEN SET, MODEL : RHINO-D 500 K4, 3 PHASE AUXILIARY 415 VOLTS, 22 (11+11) KVA (2 SOCKETS); 1 PHASE AUXILIARY 110 VOLTS, 6 (3+3) KVA (2 SOCKETS), SKID MOUNTED.
F10.33.102.0074	DIESEL ENGINE DRIVEN SET, MODEL : RHINO-D 500 K4, 3 PHASE AUXILIARY 415 VOLTS, 22 (11+11) KVA (2 SOCKETS); 1 PHASE AUXILIARY 110 VOLTS, 6 (3+3) KVA (2 SOCKETS), TWO WHEEL UNDERCARRIAGE.
F10.33.102.0075	DIESEL ENGINE DRIVEN SET, MODEL : RHINO-D 500 K4, 3 PHASE AUXILIARY 415 VOLTS, 22 (11+11) KVA (2 SOCKETS); 1 PHASE AUXILIARY 110 VOLTS, 6 (3+3) KVA (2 SOCKETS), FOUR WHEEL UNDERCARRIAGE.
F10.33.102.0060	DIESEL ENGINE DRIVEN SET, MODEL : RHINO-D 500 K4, 3 PHASE AUXILIARY 415 VOLTS, 22 (11+11) KVA (2 SOCKETS); 1 PHASE AUXILIARY 220 VOLTS, 6 (3+3) KVA (2 SOCKETS), SKID MOUNTED.
F10.33.102.0061	DIESEL ENGINE DRIVEN SET, MODEL : RHINO-D 500 K4, 3 PHASE AUXILIARY 415 VOLTS, 22 (11+11) KVA (2 SOCKETS); 1 PHASE AUXILIARY 220 VOLTS, 6 (3+3) KVA (2 SOCKETS), TWO WHEEL UNDERCARRIAGE
F10.33.102.0062	DIESEL ENGINE DRIVEN SET, MODEL : RHINO-D 500 K4, 3 PHASE AUXILIARY 415 VOLTS, 22 (11+11) KVA (2 SOCKETS); 1 PHASE AUXILIARY 220 VOLTS, 6 (3+3) KVA (2 SOCKETS), FOUR WHEEL UNDERCARRIAGE



# RHINO D 2 X 300 K4

THE NEW GENERATION DIESEL ENGINE-DRIVEN WELDING SET



## Key Attributes

- Chopper based Energy Efficient Diesel Engine Driven Welding Generator designed for simultaneous Double Welder use in Manual Metal ARC Welding & TIG welding. Current rating doubles by paralleling Outputs of welder-I and Welder-II in Single Operator Mode.
- The welding generator maintains constant current in Single Operator and Double Operator mode. Welding current remains constant regardless of engine speed variation or welding cable length changes.
- Significant fuel savings and extended operating time before the need for refuelling.
- Specially proven with Cellulosic (6010, 7010G & 8010G types) and other special electrodes.
- The welding generator is protected against output short circuit and over temperature.
- The set has a built-in 3-phase 22 KVA and 1-phase 6 KVA auxiliary power source for lighting, grinding, hand tools, and other auxiliary purposes.



# RHINO D 2 X 300 K4

THE NEW GENERATION DIESEL ENGINE-DRIVEN WELDING SET



## TECHNICAL SPECIFICATION

PARAMETER	VALUE		UNIT
WELDING GENERATOR	BRUSHLESS		TYPE
OPERATING MODES	DOUBLE OPERATOR	SINGLE OPERATOR	
	MANUAL (CC)	MANUAL (CC)	
WELDING CURRENT RANGE	15 - 300 A	30 - 600 A	AMPS
MAX. HAND WELDING CURRENT @ 40% DC	2X300 A @ 29V	600 AMPS @ 30V	AMPS
MAX. HAND WELDING CURRENT @ 60% DC	2X250 A @ 26.5V	500 AMPS @ 30V	AMPS
MAX. HAND WELDING CURRENT @ 100% DC	2X200 A @ 24V	400 AMPS @ 36V	AMPS
OPEN CIRCUIT VOLTAGE (MAX)	90 VDC		VOLTS
GENERALLY, CONFORMS TO	IS - 2635		IS
INSULATION	H		CLASS
<b>ENGINE</b>			
ENGINE MAKE, TYPE	KIRLOSKAR; HA - 494		-
CYLINDER	4		NOS.
ENGINE COOLING	AIR COOLED		TYPE
ENGINE RATING	52 BHP @ 1800 RPM		BHP
ENGINE RATED SPEED	1800		RPM
CONFORMS TO	ISO - 3046		ISO
STARTING (12V)	ELECTRIC		BATTERY
BATTERY CAPACITY (12V)	80 (CCA AT - 18°C AS PER IEC 420 A)		AH
FUEL CONSUMPTION	5.5		LTRS/HR.
FUEL TANK CAPACITY	70		LTRS.

## DIMENSIONS AND WEIGHT

MACHINE TYPE	SKID MOUNTED	TWO WHEEL MOUNTED	FOUR WHEEL MOUNTED
DIMENSIONS: L X W X H (MM)	2100 X 820 X 1250	3050 X 1455 X 1850	3435 X 1555 X 2100
APPROX. WEIGHT (KG)	1100	1250	1298



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## AUXILIARY PANEL RATINGS

AUXILIARY POWER SUPPLY (BUILT- IN) - MODELS WITH 220 V SINGLE PHASE			
MODE	WELD LOAD TOGETHER WITH AUXILIARY LOAD	AUXILIARY MODE ONLY WITHOUT WELD LOAD	UNIT
RATING (3 PHASE)	18 KVA (AT WELDING LOAD OF MAXIMUM 600 A, 40 V)	22 KVA TOTAL (11 KVA + 11 KVA FROM EACH SOCKET)	KVA
RATING (SINGLE PHASE)	6 KVA (AT WELDING LOAD OF MAXIMUM 600 A, 40 V)	6 KVA TOTAL (3 KVA + 3 KVA FROM EACH SOCKET)	KVA
VOLTAGES (3 & 1 PHASE)	415 / 220	415 / 220	VOLTS
FREQUENCY	60	60	HZ
PHASES	3 / 1	3 / 1	NO
MCB RATING	32 / 16	32 / 16	AMPS
AUXILIARY POWER SUPPLY (BUILT- IN) - MODELS WITH 110 V SINGLE PHASE			
MODE	WELD LOAD TOGETHER WITH AUXILIARY LOAD	AUXILIARY MODE ONLY WITHOUT WELD LOAD	UNIT
RATING (3 PHASE)	18 KVA (AT WELDING LOAD OF MAXIMUM 500 A, 40 V)	22 KVA TOTAL (11 KVA + 11 KVA FROM EACH SOCKET)	KVA
RATING (SINGLE PHASE)	6 KVA (AT WELDING LOAD OF MAXIMUM 500 A, 40 V)	6 KVA TOTAL (3 KVA + 3 KVA FROM EACH SOCKET)	KVA
VOLTAGES (3 & 1 PHASE)	415 / 110	415 / 110	VOLTS
FREQUENCY	60	60	HZ
PHASES	3 / 1	3 / 1	NO
MCB RATING	32 / 32	32 / 32	AMPS



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## ORDERING CODE

PRODUCT CODE	DESCRIPTION
F10.33.102.0072	DIESEL ENGINE DRIVEN SET, MODEL : RHINO-D 2 X 300 K4, 3 PHASE AUXILIARY 415 VOLTS, 22 (11+11) KVA (2 SOCKETS); 1 PHASE AUXILIARY 110 VOLTS, 6 (3+3) KVA (2 SOCKETS), SKID MOUNTED
F10.33.102.0070	DIESEL ENGINE DRIVEN SET, MODEL : RHINO-D 2 X 300 K4, 3 PHASE AUXILIARY 415 VOLTS, 22 (11+11) KVA (2 SOCKETS); 1 PHASE AUXILIARY 110 VOLTS, 6 (3+3) KVA (2 SOCKETS), TWO WHEEL UNDERCARRIAGE.
F10.33.102.0071	DIESEL ENGINE DRIVEN SET, MODEL : RHINO-D 2 X 300 K4, 3 PHASE AUXILIARY 415 VOLTS, 22 (11+11) KVA (2 SOCKETS); 1 PHASE AUXILIARY 110 VOLTS, 6 (3+3) KVA (2 SOCKETS), FOUR WHEEL UNDERCARRIAGE
F10.33.102.0063	DIESEL ENGINE DRIVEN SET, MODEL : RHINO-D 2 X 300 K4, 3 PHASE AUXILIARY 415 VOLTS, 22 (11+11) KVA (2 SOCKETS); 1 PHASE AUXILIARY 220 VOLTS, 6 (3+3) KVA (2 SOCKETS), SKID MOUNTED.
F10.33.102.0064	DIESEL ENGINE DRIVEN SET, MODEL : RHINO-D 2 X 300 K4, 3 PHASE AUXILIARY 415 VOLTS, 22 (11+11) KVA (2 SOCKETS); 1 PHASE AUXILIARY 220 VOLTS, 6 (3+3) KVA (2 SOCKETS), TWO WHEEL UNDERCARRIAGE.
F10.33.102.0065	DIESEL ENGINE DRIVEN SET, MODEL : RHINO-D 2 X 300 K4, 3 PHASE AUXILIARY 415 VOLTS, 22 (11+11) KVA (2 SOCKETS); 1 PHASE AUXILIARY 220 VOLTS, 6 (3+3) KVA (2 SOCKETS), FOUR WHEEL UNDERCARRIAGE.