



## NOMAD 400 DUAL

### VARIOUS WELD PROCESSES (380V)

Product Codes: 00041162

The Nomad 400 Dual is built for the construction, pipeline, and mining industry, the Nomad 400 Dual offers superior weld performance on various weld processes combined with single and three phase auxiliary capabilities. This unit is built with production, cost of ownership and ease of use in mind. Offering dual welding arcs on various processes with full arc controls, combined with smart engine controls, this unit offers unrivaled performance and fuel efficiency. This unit also offers industry leading sound levels at only 65Decibels @7m making it ideal for noise sensitive areas as well as crew communications.



ISO 9001

### FEATURES

- WELD 2 PROCESSES/ARCS SIMULTANEOUSLY
- FULL CC/CV CAPABILITIES
- 220V & 380V AUXILIARY PORTS
- BUILT IN VRD FOR MINING REGULATIONS
- BUILT IN WATER, DIESEL & OIL TRAP ELIMINATING THE USE OF DRIP TRAYS
- REMOTE CONTROL FOR BOTH ARCS ON GTAW & SMAW MODE
- SUITCASE WIRE FEEDER COMPATIBLE FOR FLUXCORED & GMAW PROCESSES
- EASY ACCESS FROM BOTH SIDES OF THE MACHINE FOR MAINTENANCE & SERVICE
- BATTERY CUT OFF SWITCH
- INTUITIVE CONTROL PANEL WITH DIGITAL DISPLAY
- THIS UNIT ALSO OFFERS A BRUSH-LESS ALTERNATOR REDUCING YEARLY MAINTENANCE COST
- 3 YEAR PARTS AND LABOUR WARRANTY
- 1 YEAR STANDARD WARRANTY ON ENGINE BY KUBOTA SUBJECT TO THEIR WARRANTY CONDITIONS

*\*Engine and engine accessories are warranted by the engine or engine accessory manufacturer*

### OUTPUT RANGE

Single: 95-400 Amps

Dual: 50-210 Amps

### DIMENSIONS L X W X H

435mm X 700mm X 848 mm

### DRY WEIGHT

480kg

### APPLICATIONS

- Pipe Line
- Construction
- Civil Engineering
- Rental
- Offshore
- Fabrication
- Mining
- Rail Road
- Service Truck
- Maintenance and Repair

### WELDING PROCESS

SMAW / Lift GTAW / FCAW / Gouging / Pipe mode / Scratch TIG / GMAW



Preset welding current



CC/CV Welding mode



Stop engine immediately



Max open circuit voltage



CC/CV/Droop Welding mode selector



Voltage regulation device OCV less than 15



Adjust arc strength between soft and crisp



Containment to prevent leakage of fuel and oil



## SPECIFICATION

Nomad 400 Dual			Single	Dual
OUTPUT	CV	RATED CURRENT (A)	330 / 340	180 / 200
		RATED VOLTAGE (V)	31.5 / 32.0	20.0 / 21.0
		RATED DUTY CYCLE (%)	100	100
		VOLTAGE ADJUSTING RANGE (V)	14.0-34.5 / 14.0-35.0	14.0-21.0 / 14.0-23.5
	CC DROOP	WIRE SIZE (MM)	Φ0.6-Φ2.0	Φ0.6-Φ1.6
		RATED CURRENT (A)	370 / 390	180 / 200
		RATED VOLTAGE (V)	34.8 / 35.6	27.2 / 28.0
		RATED DUTY CYCLE (%)	60	100
		CURRENT ADJUSTING RANGE (A)	30-390 / 30-400	30-200 / 30-210
		STICK ROD SIZE (MM)	Φ2.0-Φ8.0	Φ2.0-Φ4.0
		GOUGING ROD (MM)	Φ3.2-Φ8.0	Φ3.2-Φ5.0
EQUIPPED / FEATURE	RATED RPM (MM <sup>-1</sup> )		3000 / 3600	
	OCV (V)		MAX 85	
	WELDING MODE	1 - CV-WIRE (VRD:ALWAYS OFF)		
		2 - DROOP-STICK (VRD:ALWAYS OFF)		
		3 - GOUGING (VRD:ALWAYS OFF)		
		4 - LIFT START TIG (VRD:ON/OFF)		
		5 - CC-STICK (VRD:ON/OFF)		
	WELDING OUTPUT METER		AMPERE / VOLTAGE ×2 (A SIDE AND B SIDE)	
	OUTPUT PRESET FEATURE		YES	
	ARC FORCE DIAL		YES (ONLY CC MODE)	
	VRD FUNCTION		YES (ON-OFF SWITCH, INSIDE)	
	VRD LEDS		YES (GREEN/RED)	



## DIMENSIONS

SINGLE & DUAL	
OVERALL DIMENSIONS (MM)	(L)1435 X (W)700 X (H)848
DRY WEIGHT (KG)	480
NO LOAD VOLTAGE (OCV)	MAX85V

## WELDING DC GENERATOR

CC DROOP	SINGLE	DUAL
RATED CURRENT (A)	390	200
RATED VOLTAGE (V)	35.6	28.0
DUTY CYCLE (%)	60	100
CURRENT ADJ. RANGE (A)	95-400	50-210
WELDING ROD CAPACITY (MM)	Φ 2.6-8.0	Φ2.0-4.0
GOUGING ROD (MM)	Φ 3.2-8.0	Φ 3.2-5.0
RATED CURRENT (A)	350	200
RATED VOLTAGE (V)	32.5	21.0
DUTY CYCLE (%)	100	100
CURRENT ADJ. RANGE (A)	14-35	14-23.5
WIRE SIZE (MM)	0.6-2.0	0.6-1.6

## AC GENERATOR

SINGLE & DUAL	
RATED FREQUENCY (HZ)	50
RATED SPEED (MIN-1)	3000/3600
PHASE	3-PHASE
RATED OUTPUT (KVA)	12KVA X 1 SOCKET
RATED VOLTAGE (V)	415
POWER FACTOR	0.8
RATED CURRENT (A)	200
RATED VOLTAGE (V)	21.0
DUTY CYCLE (%)	100
CURRENT ADJ. RANGE (A)	14-23.5
WIRE SIZE (MM)	0.6-1.6

## ENGINE

MODEL	ENGINE TYPE	DISPLACEMENT (L)	RATED OUTPUT (KW/MIN-1)	FUEL TANK CAPACITY (L)
KUBOTA D902	VERTICAL, WATER-COOLED, 3 CYLINDER DIESEL	0.898L	15.0/3000 17.6/3600	37L

Powered by





## SPILL CONTAINMENT/RAIN WATER PROTECTION

Incorporated to follow environmental regulations.

- A factory-equipped spill containment, keeps fuel, oil, and coolant inside avoiding ground contamination.
- An unique ventilation hole will guide trapped rain water outside the spill containment and drain it separately.



## ROBUST ALTERNATOR

The uniquely varnish coated alternator offers extreme protection against harsh environmental elements including sand, gravel, dust, and extreme heat conditions.



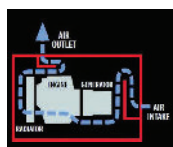
## ECO MODE

Engine speed optimization against workload ensures engine runs at optimal speed resulting in lower fuel consumption, less noise, as well as gas emission reduction.



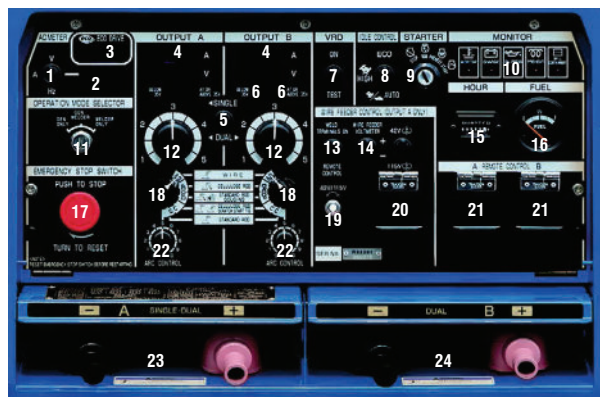
## WELDING MODE

The Nomads' alternator makes use of unique in-coil winding technology allowing each welding output to function independently without any arc or electrical interference when used simultaneously



## SUPER QUIET

The Nomad ensures the lowest noise level in the Industry at only 65Decibels @ 7 meters. This makes for a for a safer quieter work environment with better communications and also makes it suitable for construction sites in urban areas.



1. AC Meter Selector
2. AC Meter
3. ECO Drive Display
4. Single Dual Selector
5. DC Meter
6. VRD Lamp
7. VRD Switch
8. Idol Control Switch
9. Starter Switch
10. Monitor Lamp
11. Operation Mode Selector
12. Output Control Dial
13. Warning Monitor Lamp
14. Weld Terminal Switch
15. Hour Meter
16. Fuel Meter
17. Emergency Stop Switch
18. Weld Mode Selector
19. Circuit Protector for Wire Feeder
20. 14 Pin Connector (under the cover)
21. 9 Pin Connector (under the cover)
22. Arc Control Dial
23. Weld Terminal A
24. Weld Terminal B

## ADDITIONAL ITEMS

### UNIARC PRO WELDING JACKET

Size Breakdown	Size Breakdown
40689 SMALL	40692 EXTRA LARGE
40690 MEDIUM	40693 2XL
40691 LARGE	40694 3XL



### WELDING HELMET

Code	Model	Description	Code	Model	Description
36944	ADF815S	TM16 BLUE TM16-ADF815S B	16221	WC715	UNIARC WELDCREW AUTO DARKENIG HELMET
36945	ADF815S	TM16 BLACK AND WHITE TM16-ADF815S BW	41826		NECK PROTECTION TECMEN NP003
36946	ADF725S	M17 GLOSS BLACK TM17-ADF725S B	41827		HP011-B EXTENDED HEAD PROTECTION TECMEN HELMETS
36947	ADF725S	TM17 RED TM17-ADF725S R			
40961	TM1000	BLACK FLIP FRONT AUTO DARKENIG HELMET			



## OPTIONAL EXTRA

# LIGHT TOWER

