

New Release



Big Blue[®] 800X Duo Air Pak[™]

Part No: MR907536-1 [Dual VRD]

Get The Advantage

A COMPLETE MOBILE WELDING, AIR & POWER WORKSHOP FOR ONSITE MAINTENANCE & FABRICATION.

✓ DUAL OPERATOR

✓ THREE PHASE POWER

✓ CUT CAPITAL INVESTMENT

✓ CUT RUNNING COSTS



DUAL OPERATOR CAPABILITY RESULTS IN LOWER CAPITAL INVESTMENT & LOWER RUNNING COSTS.*

- Reduce Initial Capital Investment
- Reduce Engine Servicing Costs
- Reduce Annual Fuel Usage
- Reduce Compressor Servicing Costs
- Reduce Compliance Testing Costs

Full details available at welding.com.au/duo-air-pak.

MODEL OPTIONS & UPGRADE PACKAGES

PART NO

Standard Machine Package - Dual VRD	MR907536-1
Basic Upgrade Package - Dual VRD, Emergency Stop, Double Pole Battery Isolator & Lockout Device	MR907536-2
Full Upgrade Package - Dual VRD, Roll Frame & Spill Tray Assembly, Emergency Stop, Double Pole Battery Isolator & Lockout Device	MR907536-3



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MORE POWER

33 percent increase in rated output equals 800 Amps of weld power or 27,000 watts of generator power.

MULTI-ARC WELDING

> One dependable engine — two independent arcs with up to 400 Amps each. Or plug in an additional inverter for a true multi operator work platform!

> **Example:** One additional XMT equals 3 operators, up to 240 Amps each. Premium quality arcs allow operators to work independently with no arc interaction. Multi operator welding has never been easier or more versatile.

INGERSOLL RAND

- > Ultra-reliable industrial rotary screw compressor.
- > 30,000 - hour life expectancy.
- > Independent on/off control for applications not requiring compressed air — allows greater fuel savings and longer compressor service intervals.
- > 100PSI, 60CFM, 100% Duty Cycle.

INFINITE ARC CONTROL

> Change the arc characteristics for specific applications in Stick, MIG and FCAW.

INCREASED EFFICIENCY

- > More arcs and better fuel economy equal increased profits for your business.
- > Estimated savings are 34 percent with a dual-operator unit versus two single operator units.
- > Remote oil drain for engine and compressor prevents spills and makes servicing easy.
- > Electronic engine display simultaneously displays fuel level, engine hours, coolant temperature, oil pressure, battery Volts, engine RPM, air pressure, and compressor hours.
- > Tracks oil change intervals and displays engine diagnostics for quick and easy servicing.

DEUTZ 2011 L04I - HEAVY-DUTY LOW SPEED INDUSTRIAL DIESEL ENGINE

Designed, built and proven to operate over 10,000 hours before the first basic overhaul.

AUTO REMOTE SENSE[™]

(ARS) detects if a remote control is plugged into the 14-pin receptacle and eliminates confusion of a remote/panel switch.

VRD STANDARD (CAT.C AS1674.2)

- > Reduces the open-circuit Voltage to 15 Volts when the welding power source is not in use, increasing operator safety without compromising arc starts.
- > Infinite arc control allows the arc characteristics to be changed for specific applications in Stick, MIG and FCAW.

AUXILIARY POWER*

- > 1 x 380 V 32 Amp Sockets.
- > 2 X 240 V 15 Amp Sockets.
- > RCD.

THERMAL OVERLOAD PROTECTION

Prevents machine damage if the duty cycle is exceeded or airflow is blocked.

STANDARD FEATURES

- > Digital weld meters.
- > Automatic idle.
- > Anti Vandalism Kit.
- > Lockout/tagout battery disconnect switch.

ULTRA-RELIABLE INDUSTRIAL ROTARY SCREW AIR COMPRESSOR



APPLICATIONS

Mining Maintenance
Railroad Maintenance
Infrastructure Projects

PROCESSES

Stick (SMAW)
MIG (GMAW)
Flux-Cored (FCAW)
DC TIG (GTAW)
Submerged Arc (SAW)
Air Carbon Arc (CAC-A)
Air Plasma Cutting and Gouging
Compressed Air

*Generator auxiliary power is 60Hz, and intended for operating equipment associated with welding, such as angle grinders, drills and floodlights. Some Australian 50Hz equipment incorporating induction motors, such as pumps, fans, air compressors, refrigeration or air-conditioners, may not operate correctly and could be damaged. Refer to appliance supplier or manufacturer to confirm suitability.



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PRODUCT SPECIFICATIONS								
WELDING MODE	OUTPUT MODE	WELD OUTPUT RANGE	WELD OUTPUT RATED AT 104° F (40° C)	MAX OPEN CIRCUIT VOLTAGE	GENERATOR POWER OUTPUT RATED AT 104° F (40° C)	SOUND LEVELS AT 23 FT. (7 M)	DIMENSIONS (MM)	WEIGHT* (WITHOUT FUEL)
CC/DC (Stick/TIG)	Separate (Dual Outputs)	20 – 400 A	400 A at 36 V, 100% Duty Cycle (Each Side)	85 VDC 15 VDC (VRD)	3 Phase: 27,000 watts peak, 20,000 watts continuous (dependent of weld output)	Idle: 73.0 dB (97.8 Lwa), 77.2 dB at one metre from front panel	H: 1194 H: 1397 (top of exhaust) W: 724 D: 1765	Net: 968.4kg Ship: 991.6kg <i>*Additional: 75kg when fuel tank is full</i>
	Paralleled (Combined)	40 – 800 A	700 A at 44 V, 100% Duty Cycle 800 A at 38 V, 100% Duty Cycle					
CV/DC (MIG/FCAW)	Separate (Dual Outputs)	14 – 40 V	400 A at 34 V, 100% Duty Cycle (Each Side)		1 Phase: 5,500 watts peak, 4,000 watts continuous (independent of weld output)	Weld (800 A Load): 81.7 dB (106.5 Lwa), 84.4 dB at one metre from front panel		Model Upgrade Version:* Net: 1040kg (w/out fire extinguisher) <i>*Part No MR907563-3</i>
	Paralleled (Combined)	14 – 40 V	750 A at 40 V, 100% Duty Cycle 800 A at 38 V, 100% Duty Cycle					

ENGINE SPECIFICATIONS						
ENGINE BRAND	HP	TYPE	FEATURES	ENGINE SPEEDS	CAPACITIES	AUTOMATIC ENGINE SHUTDOWN
Deutz TD2011L04o	63.4	Turbo-charged four-cylinder, liquid-cooled industrial diesel	EPA Tier 4i compliant	Idle: 1350 RPM Weld: 1800 RPM	Fuel: 95 L Oil: 10.4 L Coolant: Integrated Oil	Low Oil Pressure, High Coolant Temperature, Low Fuel Level

COMPRESSOR SPECIFICATIONS							
COMPRESSOR BRAND	FEATURES	FREE AIR DELIVERY AT 1850 RPM	FREE AIR DELIVERY AT 1235 RPM	WORKING PRESSURE CONSTANT	DUTY CYCLE	OIL CAPACITY	AUTOMATIC COMPRESSOR SHUTDOWNS
Ingersoll Rand CE55 G1	Rotary screw with electric clutch for on/off. Oil change intervals 500 hrs (same as engine). Life expectancy 30,000 hrs.	60 cfm (1.70 m ³ / min)	40 cfm (1.13 m ³ / min) Idle	100 PSIG 7 bar	100%	3.79 L	Oil Temperature