

## VR050 Diesel Refuelling Pump

01/03

## VR050 12/24V Fuel Transfer Pump

#### Features

- Faster refuelling 50 litres/minute (13 GPM)
- High head capability 10 metres (32 feet.)
- Self priming up to 3 metres (9.6 feet.)
- · Continuously rated\*
- Vibration tested
- · IP55 protected motor
- 24V version with thermal cut-out protection
- Full range of installation accessories
- · Customised kits for OEM customers

## Typical Applications

Model Range

- Designed for refuelling medium sizes diesel powered vehicles [typical tank sizes 200 - 500 litres (50 - 200 gallons)] from drums.
- Suitable for mounting to the following equipment: Excavators, Cranes, Road rollers (compactors), Pavers, Agricultural machines, Generators, Helicopters.
- Suitable for diesel fuel, Kerosene, Paraffin, Hydraulic oils, Oils up to 150 centi Stokes (750 Saybolt Universal) viscosity.



### Specifications

Temperature Range : -30°C to +50°C (-22°F to +104°F)

Pump Body : Cast Iron

Rotor : Sintered Iron

Vanes : Sintered Bronze

Shaft : Carbon Steel

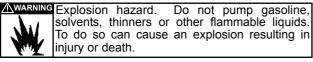
Seal : Nitrile Lip Seal.

Ports : Vertical ¾" BSP or 25mm hose adaptors (1").

Motor : 12V or 24V DC permanent magnet, corrosion resistant IP55 protected

**Duty** : \*Continuously rated up to 3 metres (10 ft.), total head of diesel fuel at 40°C (104°F).

Model number	Description			
VR050-2022	<sup>3</sup> / <sub>4</sub> " BSP ports, 12v DC, switch & fuse			
VR050-2120	<sup>3</sup> ⁄ <sub>4</sub> " BSP ports, 24v DC			
VR050-2122	<sup>3</sup> / <sub>4</sub> " BSP ports, 24v DC, switch & fuse			
VR050-1120	25mm (1 <sup>°</sup> ), Hose ports, 24v DC			
VR050-1022	25mm (1 <sup>°</sup> ), Hose ports, 12v DC, switch & fuse			
VR050-1122	25mm (1 <sup>°</sup> ), Hose ports, 24v DC, switch & fuse			
VR050-1123	25mm (1 <sup>°</sup> ), Hose ports, 24v DC, automatic shut off controller			
VR050-B013	25mm (1"), Hose ports, 24v DC, switch & fuse, fitted with by-pass			
Accessories For further information see Data Sheet 43010-0031				
23738-0010B	Check valve kit			
23739-0000B	Foot valve kit			
23739-0100B	Foot valve with shrouded strainer			
23541-0001G	Hose - 25mm (1") bore, [per metre]			
23733-0000	Suction strainer 250 micron			
50290-1000	Shrouded strainer			





# VR050 Diesel Refuelling Pump

(7)

6

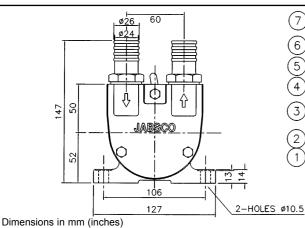
5 4

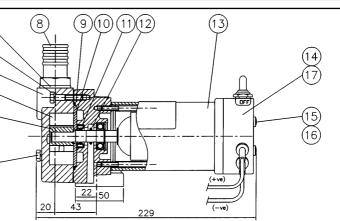
3

2

1

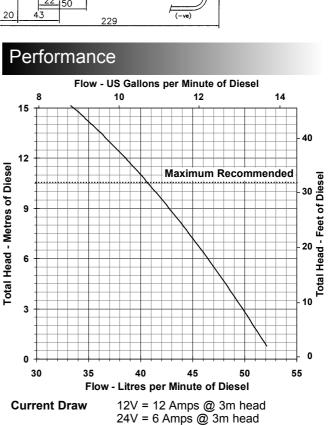
01/03





## Parts List

Key	Description Qt			Qty	Part No.	
1	Bolt		M6 x 42	2	X3000-191F	
2	Spring washer		3	X3081-091F		
3	Rotor		1	50242-0000		
4	Vane*		4	Use SK421-0000		
5	Body BSP NPT		BSP	1	50244-2000	
			1	50244-9000		
6	Bolt		M6 x 30	1	X3000-186F	
7	Sealing Washer		2	SP1613-1415		
8	Port adaptor		2	23543-1000		
9	O-Ring*		1	X4020-264A		
10	Backplate			1	50246-0000	
11	Seal*		1	SP2701-0504		
12	O-Ring*		1	X4020-211A		
	Motor	With Swi	tch 12V	1	98012-9295B	
13		& Fuse	24V	1	98012-9296B	
		Basic	24V	1	98012-9297B	
14	Switch box assembly			1	96070-6020B	
15	Screw (Pack 10)		2	91046-6001B		
16	Sealing washer (Pack 10)		2	91608-6001B		
17	Fuse (Pack 10) 20 Amp (12V) 10 Amp (24V)			1	92005-6020B	
			1	92005-6010B		
Serv	Service kit contains items marked * SK421-0000					
Note						



All performance information is based on diesel fuel at 20°C (68°F). On production product, this may vary by up to 10%.

Maximum recommended total head of diesel fuel is 10 metres.

#### Safety

Do not use for pumping petrol, gasoline or products with a flash point below 37°C (99°F). Do not dry run.

24V = 10 Amps

Maximum Current 12V = 20 Amps

	USA	UK	GERMANY
Jabsco	Jabsco	Jabsco	Jabsco GmbH
	20 Icon	Bingley Road	Oststrasse 28
^	Foothill Ranch	Hoddesdon	22844 Norderstedt
	CA 92610	Hertfordshire, EN11 0BU	
〈ベ〉 ITT Industries			
	Tel : +1 949 609 5106	Tel : +44 (0) 1992 450 145	Tel : +49 (0) 40 53 53 73 0
••	Fax : +1 949 859 1153	Fax : +44 (0) 1992 467 132	Fax : +49 (0) 40 53 53 73 11

Warranty: All products of the company are sold and all services of the company are offered subject to the company's warranty and terms and conditions of sale, copies of which will be furnished upon request. The information provided herein is for guidance only, it does not constitute a guarantee of the performance or specification of any individual product or component.

43010-0021