

# CD100M Technical Specification

## Standard pump material specification

Pump Casing / Separation Tank	Impeller	Wear Plates	Shaft	Engine Adaptor	NRV Body	Ball & Seat	Mechanical Seal	Bearing Details			Priming Method
Cast Iron to BS1452 Grade 220	Cast Steel BS3100 A5 Hardness to 200 HB Brinell	Cast Iron to BS1452 Grade 220	Nickel Chrome Steel to BS970 Grade M40 EN24T	Cast Iron to BS1452 Grade 220	Cast Iron	High Nitrile Rubber	Silicon Carbide vs Silicon Carbide	Taper Roller	Taper Roller		Air compressor / Dri-Prime system

Notes: Alternative material specification available on request

### Technical Details:

<b>Suction:</b>	100mm table 'D'	<b>Maximum Operating Temperature</b>	80 °C
<b>Discharge:</b>	100mm table 'D'	<b>Maximum Working Pressure</b>	3.5 Bar
<b>Maximum Capacity</b>	178 M3/hr	<b>Maximum Suction Pressure</b>	2 Bar
<b>Maximum Head</b>	35 Meters	<b>Maximum Test Pressure</b>	5 Bar
<b>Maximum Solids handling:</b>	45 mm	<b>Maximum Operating Speed</b>	2200 RPM
<b>Impeller Type</b>	Fully open	<b>Normal Operating Speed</b>	1700 RPM
<b>Number of Blades</b>	3	<b>Minimum Operating Speed</b>	1200 RPM
<b>Maximum Impeller Diameter</b>	230 mm		

### Diesel Set - Performance :

**Perkins 403-15 14kw @ 1800RPM**

Total Suction Head - Meters	Total Delivery Head				
	3	6	9	12	15
	Output M3/hr				
3.0	170	155	140	120	100
4.6	142	140	130	110	80
6.1	110	108	100	95	55
7.6	105	100	95	80	-

Impeller Dia: 220 mm

Performance data provided in tables is based on water tests at sea level and 20 deg c ambient.

Running Period :	21 Hours	Normal Operating speed
Fuel tank capacity	73 Litres	
Approximate weight	630 Kgs (DRY)	
	690 Kgs (WET)	

**Approximate Dimensions:**

Length	1410 mm
Width	1015 mm
Height	1450 mm

### Diesel Set - Performance :

**Lister TR2 13kw @ 1800RPM**

Total Suction Head - Meters	Total Delivery Head				
	6	12	18	24	-
	Output M3/hr				
3.0	163	153	140	120	100
4.6	139	139	127	108	78
6.1	110	118	100	93	50
7.6	100	100	93	79	-

Impeller Dia: 220 mm

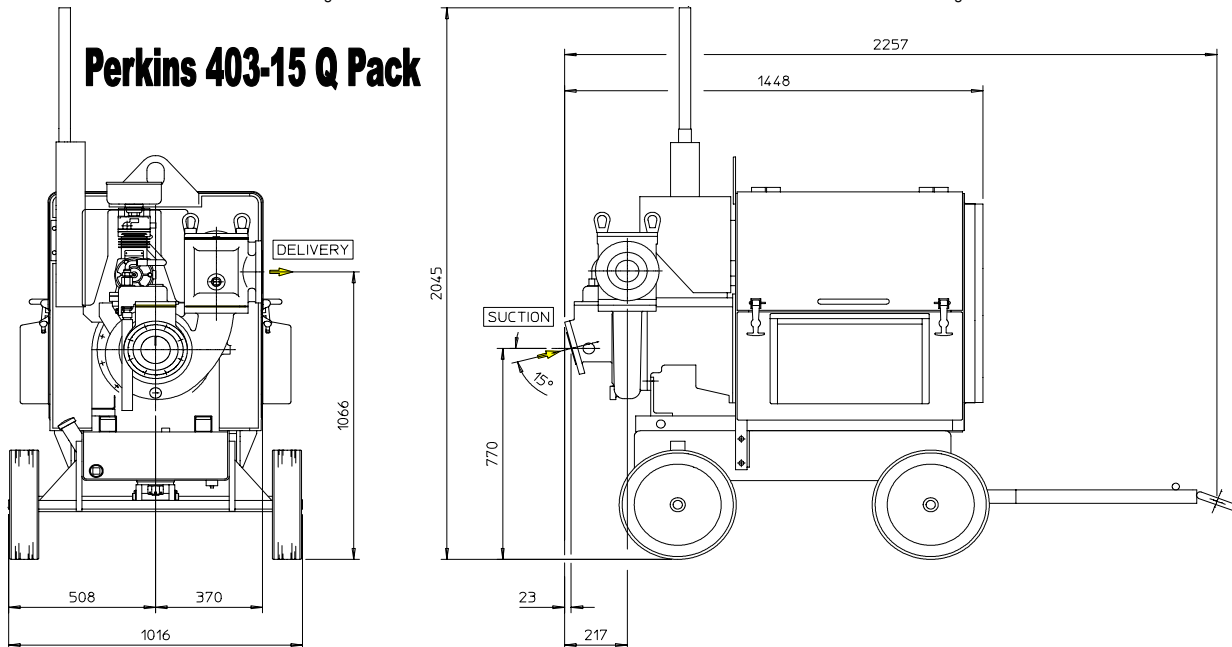
Performance data provided in tables is based on water tests at sea level and 20 deg c ambient.

Running Period :	14 Hours	Normal Operating speed
Fuel tank capacity	73 Litres	
Approximate weight	700 Kgs (DRY)	
	760 Kgs (WET)	

**Approximate Dimensions:**

Length	1410 mm
Width	1015 mm
Height	1450 mm

## Perkins 403-15 Q Pack



Alternative options available e.g. Highway trailer, Skidbase, Open set, Silenced set etc. Please Contact **Godwin Pumps Ltd** for details.

Reference Number	CD100M_A
Issue	2

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Assessed to ISO 9001:2000  
 Certificate No. 224





Pump Type	CD100M
Curve No	CD100M VAR
Branch Sizes	100 x 100 mm
Date	10.06.2004
Speed	VARIABLE

