

# DEWATERING



AROUND YOUR CLOCK, AROUND YOUR WORLD®

# DE200/50



SOLIDS  
HANDLING



DEWATERING

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
200 m <sup>3</sup> /hr 880 usgpm	50 mtrs 164'	1600 rpm	75%

## AT A GLANCE

Suction Size	100 mm	4"
Discharge Size	100 mm	4"
Solids Handling	76 mm (min)	3" (min)
Max Flow	280 m <sup>3</sup> /hr	1240 usgpm
Max Head	63 mtrs	207'
Max Speed	1600 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	11 ltrs/hr	2.90 usgph
Rated Power @ BEP	36 kW	49 hp
Model	Deutz TD2.9	
Emissions	EU Stage V	
Max Power	55 kW	74 hp

## ELECTRIC MOTOR SPECIFICATION

### CHOOSE ELECTRIC

Model	WEG / ABB 415V 3 phase 50Hz	
Standard	IEC3	
Rated Power	55 kW	74 hp
Enclosure	TEFC	
Nominal Speed	1500 rpm	
Frame	250	

## FEATURES & BENEFITS

Indefinite Dry-Run capabilities

Auto Start/Stop

UK Manufactured

Cycloseal – advanced mechanical seal that extends seal life, reduces seal failures and maximises uptime

 **8.87 HOURS**

To empty an Olympic Swimming Pool  
(2,500,000 litres) at Max Flow (280 m<sup>3</sup>/hr)



DXB3


## NET WEIGHT

2350 kgs  
5180 lbs

## L x W x H

5.00 x 1.50 x 2.20 mtr  
112 x 47 x 78"

## PUMP SPECIFICATION

Model	CRP150T286
Priming System	<p><b>Type:</b> Cornell liquid tolerant diaphragm vacuum pump </p> <p><b>Air Removal Capability:</b> 50 cfm</p> <p><b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover</p> <p><b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper</p> <p><b>Run Dry:</b> Indefinite capability</p>
Impeller	<p><b>Type:</b> Two Vane Enclosed Solids Handling Impeller design for large spherical solids pass through whilst providing optimal efficiency</p> <p><b>Size:</b> 356 mm (14.00")</p>
Volute	Heavy duty Ductile Iron with 125# flanges
Mechanical Seal	Tungsten Carbide v Silicon Carbide
Bearing & Shaft	Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft



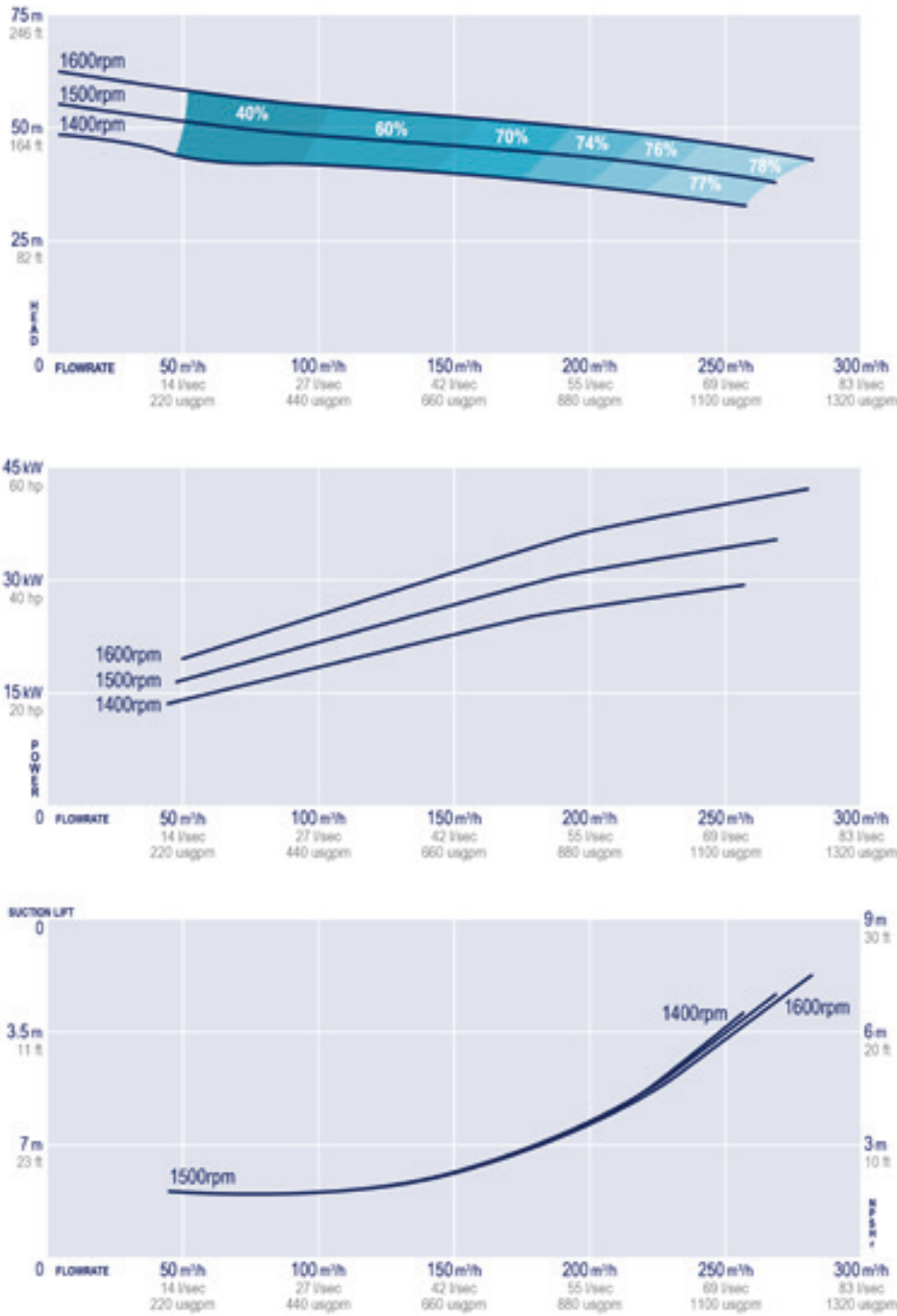
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DE200/50-0221

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REAL TIME ASSET CONTROL

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# DE250/25



SOLIDS  
HANDLING



DEWATERING

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
250 m <sup>3</sup> /hr 1100 usgpm	25 mtrs 82'	1635 rpm	76%

## AT A GLANCE

Suction Size	150 mm	6"
Discharge Size	150 mm	6"
Solids Handling	76 mm (min)	3" (min)
Max Flow	550 m <sup>3</sup> /hr	2420 usgpm
Max Head	49 mtrs	161'
Max Speed	1800 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	7 ltrs/hr	1.85 usgph
Rated Power @ BEP	22 kW	30 hp
Model	Deutz TD2.9	
Emissions	EU Stage V	
Max Power	36 kW	48 hp

## ELECTRIC MOTOR SPECIFICATION

### CHOOSE ELECTRIC

Model	WEG / ABB 415V 3 phase 50Hz	
Standard	IEC3	
Rated Power	37 kW	50 hp
Enclosure	TEFC	
Nominal Speed	1500 rpm	
Frame	225	

## FEATURES & BENEFITS

Indefinite Dry-Run capabilities

Auto Start/Stop

UK Manufactured

Cycloseal – advanced mechanical seal that extends seal life, reduces seal failures and maximises uptime

 **4.55 HOURS**

To empty an Olympic Swimming Pool  
(2,500,000 litres) at Max Flow (550 m<sup>3</sup>/hr)



DXB2

### NET WEIGHT

2350 kgs  
5180 lbs

### L x W x H

2.85 x 1.20 x 2.00 mtr  
112 x 47 x 78"

## PUMP SPECIFICATION

Model	CRP100T356
Priming System	<p><b>Type:</b> Cornell liquid tolerant diaphragm vacuum pump</p> <p><b>Air Removal Capability:</b> 50 cfm</p> <p><b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover</p> <p><b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper</p> <p><b>Run Dry:</b> Indefinite capability</p>
Impeller	<p><b>Type:</b> Two Vane Enclosed Solids Handling Impeller design for large spherical solids pass through whilst providing optimal efficiency</p> <p><b>Size:</b> 286 mm (11.26")</p>
Volute	Heavy duty Ductile Iron with 125# flanges
Mechanical Seal	Tungsten Carbide v Silicon Carbide
Bearing & Shaft	Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft



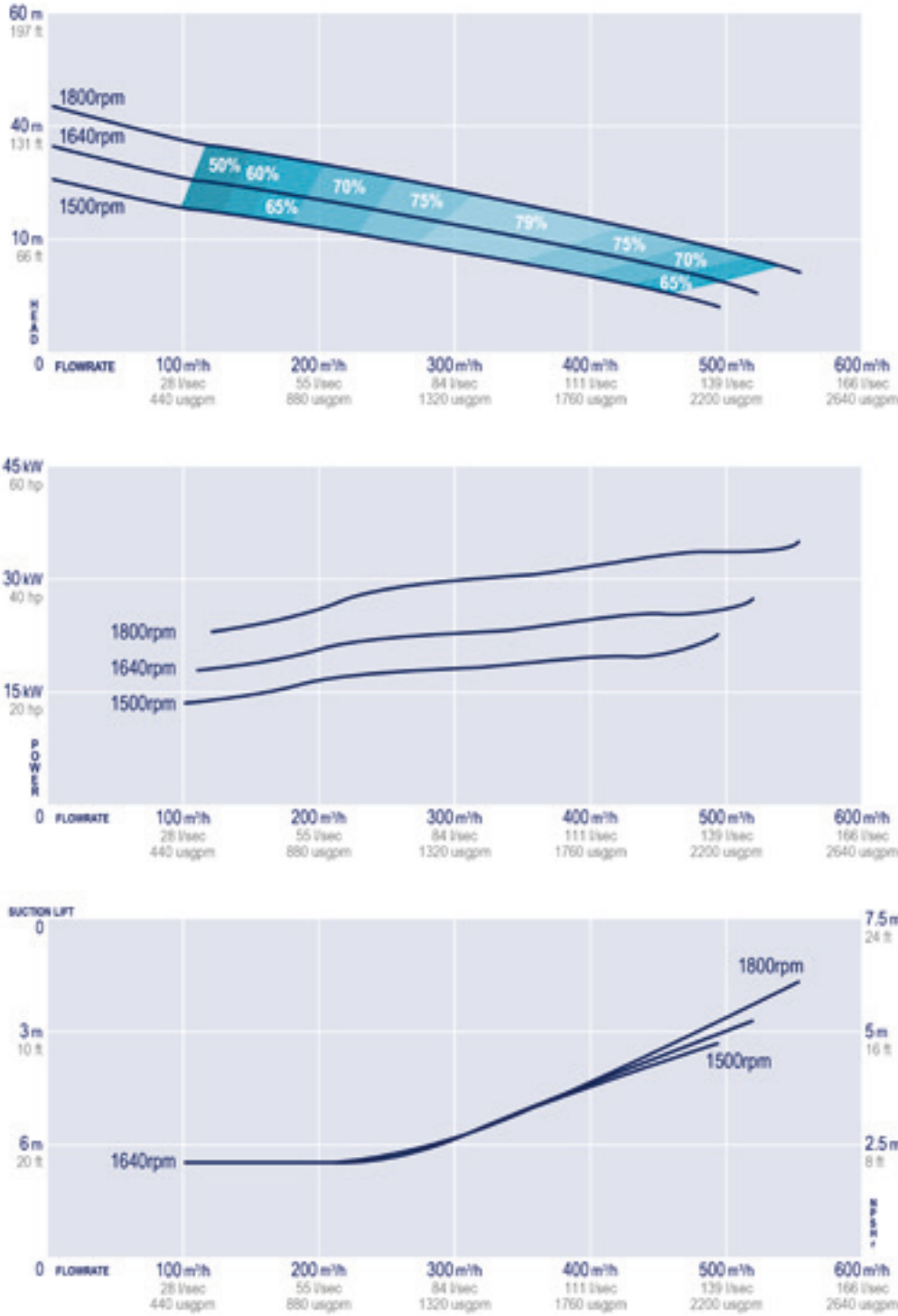
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# DE300/120



DEWATERING

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
385 m <sup>3</sup> /hr 1700 usgpm	115 mtrs 385'	1850 rpm	71%

## AT A GLANCE

Suction Size	200 mm	8"
Discharge Size	150 mm	6"
Solids Handling	51 mm (min)	2" (min)
Max Flow	480 m <sup>3</sup> /hr	2110 usgpm
Max Head	153 mtrs	502'
Max Speed	1850 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	52 ltrs/hr	13.75 usgph
Rated Power @ BEP	175 kW	235 hp
Model	Deutz TCD7.8L6	
Emissions	EU Stage V	
Max Power	260 kW	349 hp

## ELECTRIC MOTOR SPECIFICATION

### CHOOSE ELECTRIC

Model	WEG / ABB 415V 3 phase 50Hz	
Standard	IEC3	
Rated Power	250 kW	335 hp
Enclosure	TEFC	
Nominal Speed	1500 rpm	
Frame	315	

## FEATURES & BENEFITS

Indefinite Dry-Run capabilities
Auto Start/Stop
UK Manufactured
Cycloseal – advanced mechanical seal that extends seal life, reduces seal failures and maximises uptime

 **5.20 HOURS**

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (480 m<sup>3</sup>/hr)



DXB5


## NET WEIGHT

4100 kgs  
9040 lbs

## L x W x H

4.25 x 1.60 x 2.20 mtr  
167 x 63 x 87"

## PUMP SPECIFICATION

Model	CRP100NHTB495	
Priming System	<b>Type:</b> Cornell liquid tolerant diaphragm vacuum pump 	
	<b>Air Removal Capability:</b> 50 cfm <b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover	
	<b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper <b>Run Dry:</b> Indefinite capability	
Impeller	<b>Type:</b> Two Vane, High Head Enclosed Solids Handling Impeller design for large spherical solids pass through whilst providing optimal efficiency <b>Size:</b> 495 mm (19.50")	
Volute	Heavy duty GG30 Gray Iron with 125# flanges	
Mechanical Seal	Tungsten Carbide v Silicon Carbide	
Bearing & Shaft	Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft	



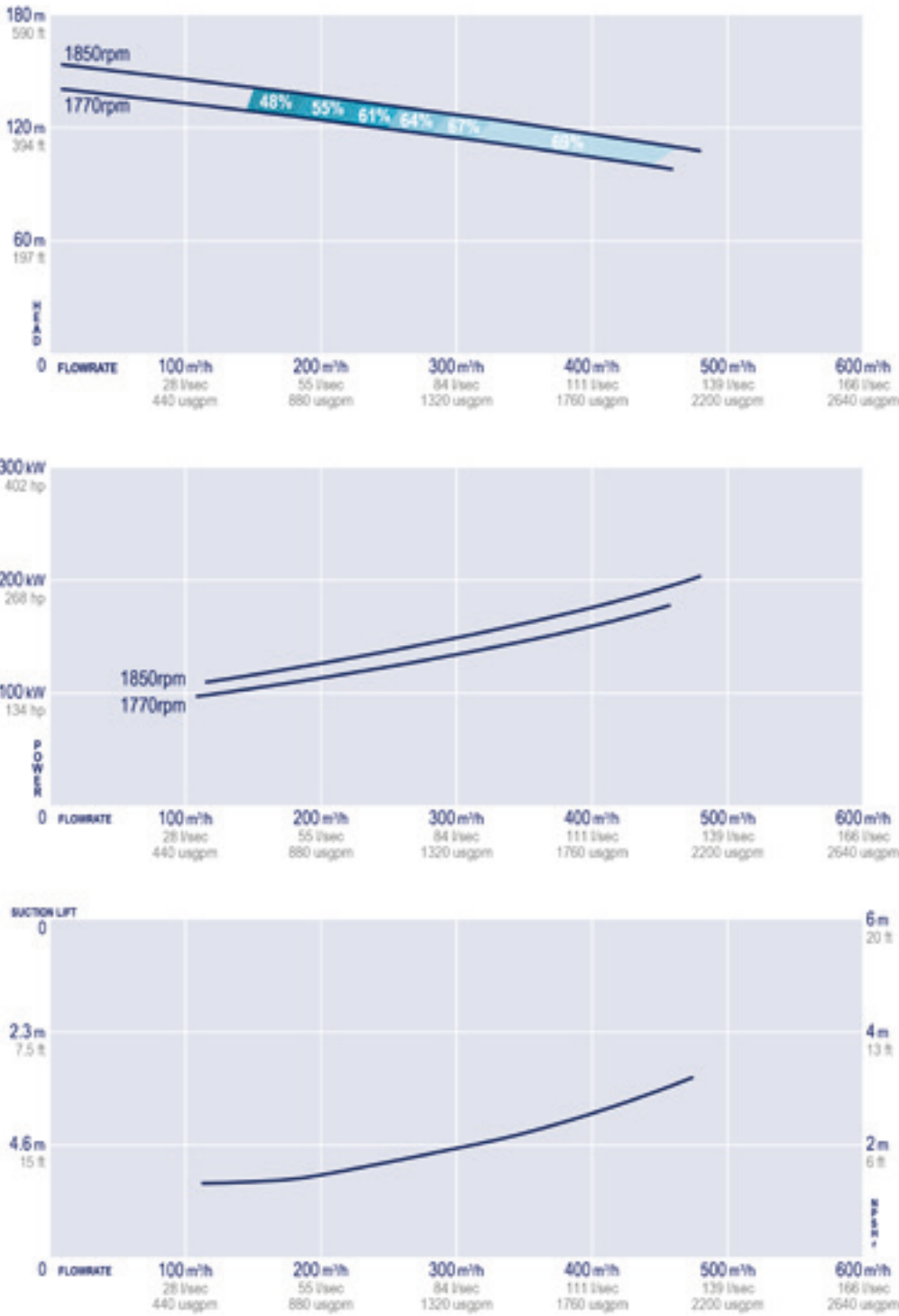
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# DE350/150



DEWATERING

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
350 m <sup>3</sup> /hr 1540 usgpm	150 mtrs 490'	2100 rpm	71%

## AT A GLANCE

Suction Size	200 mm	8"
Discharge Size	100 mm	4"
Solids Handling	51 mm (min)	2" (min)
Max Flow	545 m <sup>3</sup> /hr	2390 usgpm
Max Head	198 mtrs	650'
Max Speed	2100 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	60 ltrs/hr	15.85 usgph
Rated Power @ BEP	255 kW	342 hp
Model	Scania DC13	
Emissions	EU Stage V	
Max Power	300 kW	402 hp

## ELECTRIC MOTOR SPECIFICATION

### CHOOSE ELECTRIC

Model	WEG / ABB 415V 3 phase 50Hz	
Standard	IEC3	
Rated Power	315 kW	422 hp
Enclosure	TEFC	
Nominal Speed	1500 rpm	
Frame	355	

## FEATURES & BENEFITS

Indefinite Dry-Run capabilities
Auto Start/Stop
UK Manufactured
Cycloseal – advanced mechanical seal that extends seal life, reduces seal failures and maximises uptime

 **4.60 HOURS**

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (545 m<sup>3</sup>/hr)



DXB6


## NET WEIGHT

7000 kgs  
15430 lbs

## L x W x H

4.10 x 2.10 x 2.20 mtr  
161 x 82 x 87"

## PUMP SPECIFICATION

Model	CRP100NHTB495
Priming System	<p><b>Type:</b> Cornell liquid tolerant diaphragm vacuum pump </p> <p><b>Air Removal Capability:</b> 50 cfm</p> <p><b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover</p> <p><b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper</p> <p><b>Run Dry:</b> Indefinite capability</p>
Impeller	<p><b>Type:</b> Two Vane, High Head Enclosed Solids Handling Impeller design for large spherical solids pass through whilst providing optimal efficiency</p> <p><b>Size:</b> 495 mm (19.50")</p>
Volute	Heavy duty GG30 Gray Iron with 125# flanges
Mechanical Seal	Tungsten Carbide v Silicon Carbide
Bearing & Shaft	Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft



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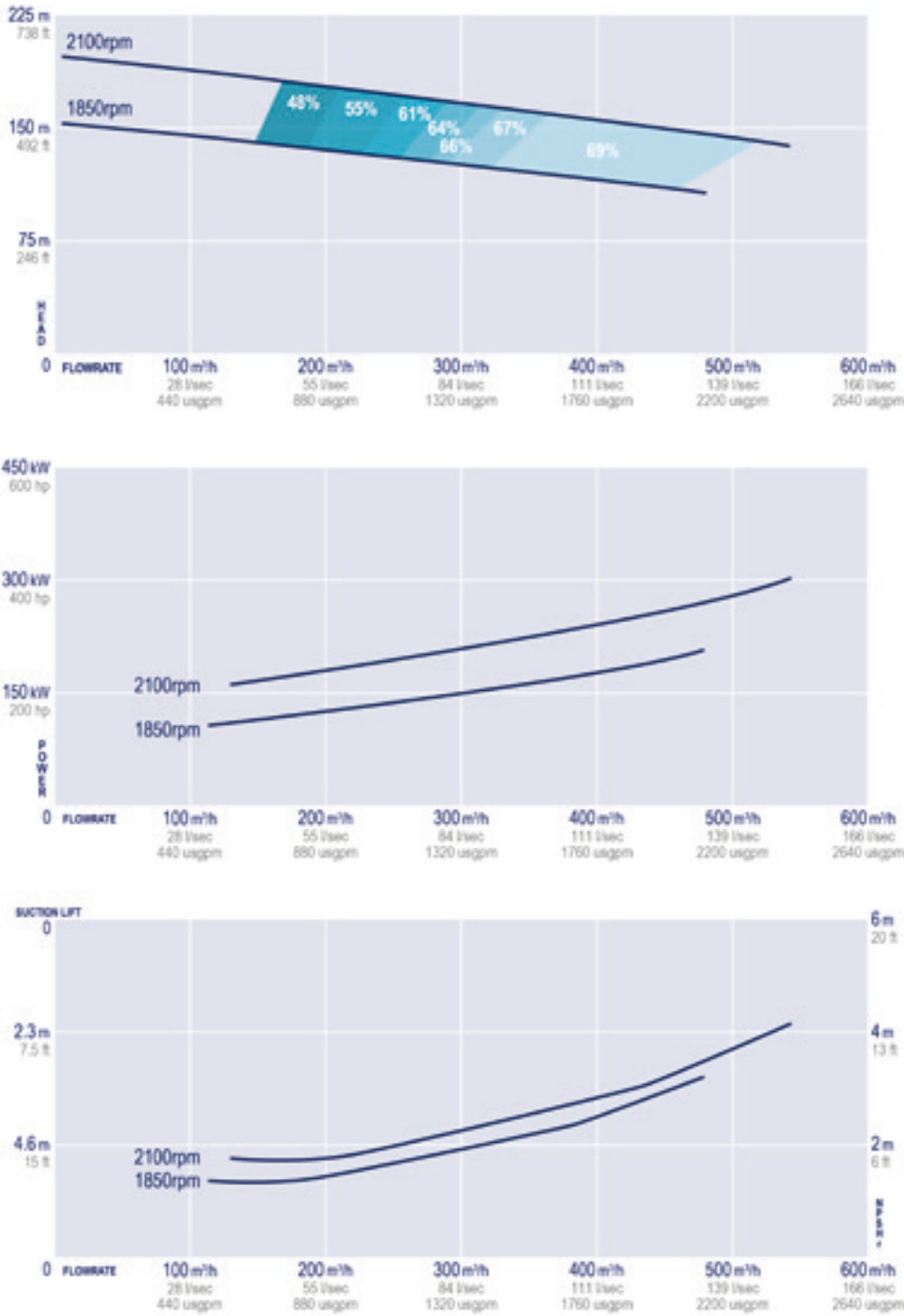
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MARKETS



# DE500/25



SOLIDS  
HANDLING



DEWATERING

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
500 m <sup>3</sup> /hr 2200 usgpm	25 mtrs 82'	1555 rpm	80%

## AT A GLANCE

Suction Size	200 mm	8"
Discharge Size	200 mm	8"
Solids Handling	86 mm (min)	3.40" (min)
Max Flow	850 m <sup>3</sup> /hr	3740 usgpm
Max Head	45 mtrs	148'
Max Speed	1600 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	13 ltrs/hr	3.45 usgph
Rated Power @ BEP	42 kW	57 hp
Model	Deutz TCD2.9	
Emissions	EU Stage V	
Max Power	55 kW	74 hp

## ELECTRIC MOTOR SPECIFICATION

### CHOOSE ELECTRIC

Model	WEG / ABB 415V 3 phase 50Hz	
Standard	IEC3	
Rated Power	55 kW	74 hp
Enclosure	TEFC	
Nominal Speed	1500 rpm	
Frame	250	

## FEATURES & BENEFITS

Indefinite Dry-Run capabilities

Auto Start/Stop

UK Manufactured

Cycloseal – advanced mechanical seal that extends seal life, reduces seal failures and maximises uptime

 **2.95 HOURS**

To empty an Olympic Swimming Pool  
(2,500,000 litres) at Max Flow (850 m<sup>3</sup>/hr)



DXB3


## NET WEIGHT

2350 kgs  
5180 lbs

## L x W x H

2.85 x 1.20 x 2.00 mtr  
112 x 47 x 78"

## PUMP SPECIFICATION

Model	CRP200NNT321
Priming System	<p><b>Type:</b> Cornell liquid tolerant diaphragm vacuum pump </p> <p><b>Air Removal Capability:</b> 50 cfm</p> <p><b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover</p> <p><b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper</p> <p><b>Run Dry:</b> Indefinite capability</p>
Impeller	<p><b>Type:</b> Two Vane Enclosed Solids Handling Impeller design for large spherical solids pass through whilst providing optimal efficiency</p> <p><b>Size:</b> 321 mm (12.64")</p>
Volute	Heavy duty GG30 Gray Iron with 125# flanges
Mechanical Seal	Tungsten Carbide v Silicon Carbide
Bearing & Shaft	Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft



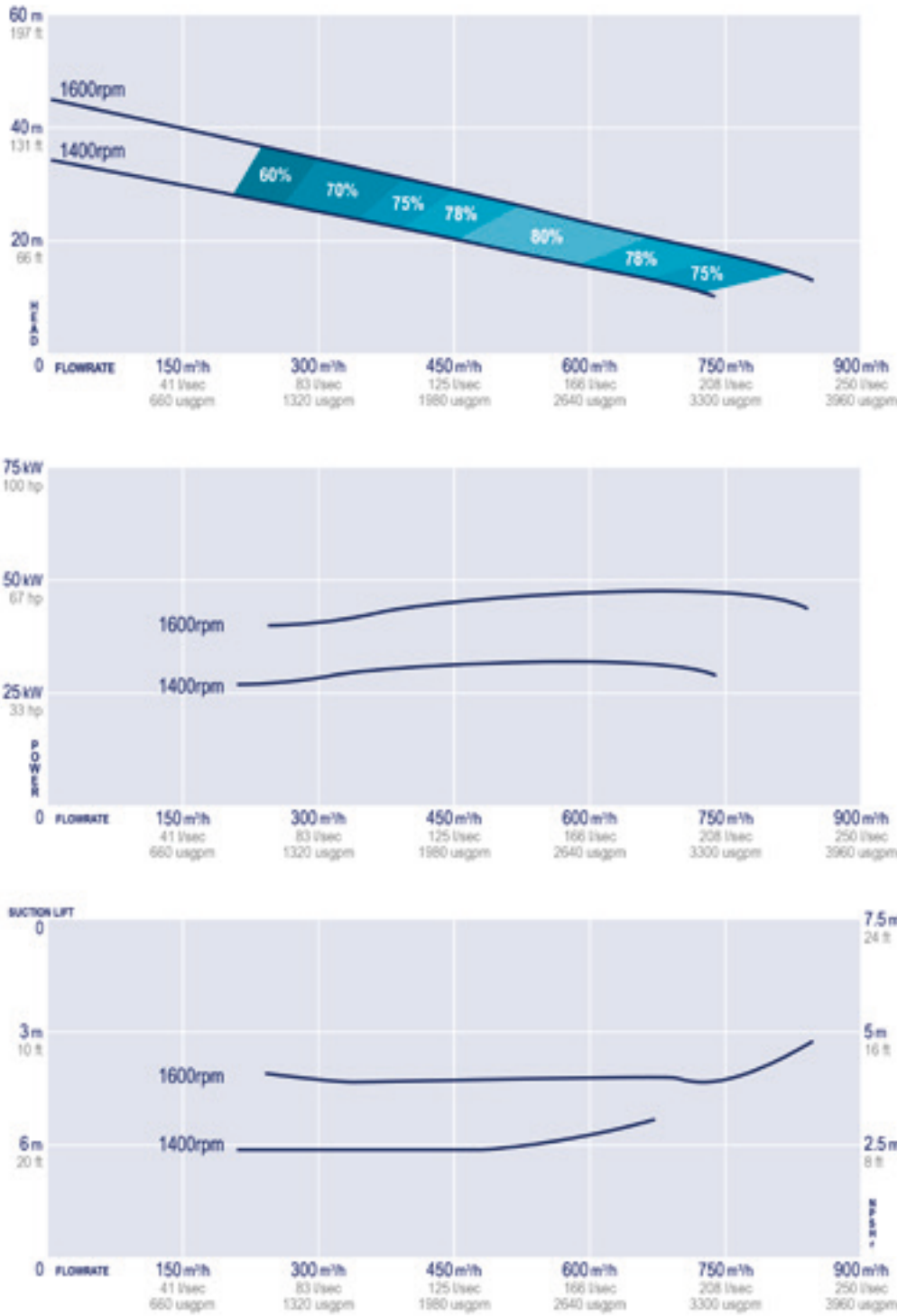
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# DE500/50



SOLIDS  
HANDLING



DEWATERING

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
500 m <sup>3</sup> /hr 2200 usgpm	50 mtrs 164'	1900 rpm	83%

## AT A GLANCE

Suction Size	150 mm	6"
Discharge Size	150 mm	6"
Solids Handling	76 mm (min)	3" (min)
Max Flow	630 m <sup>3</sup> /hr	2770 usgpm
Max Head	82 mtrs	268'
Max Speed	1900 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	25 ltrs/hr	6.60 usgph
Rated Power @ BEP	82 kW	110 hp
Model	Deutz TCD3.6L4	
Emissions	EU Stage V	
Max Power	105 kW	141 hp

## ELECTRIC MOTOR SPECIFICATION

### CHOOSE ELECTRIC

Model	WEG / ABB 415V 3 phase 50Hz	
Standard	IEC3	
Rated Power	110 kW	148 hp
Enclosure	TEFC	
Nominal Speed	1500 rpm	
Frame	315	

## FEATURES & BENEFITS

Indefinite Dry-Run capabilities

Auto Start/Stop

UK Manufactured

Cycloseal – advanced mechanical seal that extends seal life, reduces seal failures and maximises uptime

 **4.00 HOURS**

To empty an Olympic Swimming Pool  
(2,500,000 litres) at Max Flow (630 m<sup>3</sup>/hr)



DXB3

## NET WEIGHT

2350 kgs  
5180 lbs

## L x W x H

2.85 x 1.20 x 2.00 mtr  
112 x 47 x 78"

## PUMP SPECIFICATION

Model	CRP150NHTA356
Priming System	<p><b>Type:</b> Cornell liquid tolerant diaphragm vacuum pump</p> <p><b>Air Removal Capability:</b> 50 cfm</p> <p><b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover</p> <p><b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper</p> <p><b>Run Dry:</b> Indefinite capability</p>
Impeller	<p><b>Type:</b> Two Vane Enclosed Solids Handling Impeller design for large spherical solids pass through whilst providing optimal efficiency</p> <p><b>Size:</b> 356 mm (14.02")</p>
Volute	Heavy duty GG30 Gray Iron with 125# flanges
Mechanical Seal	Tungsten Carbide v Silicon Carbide
Bearing & Shaft	Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft



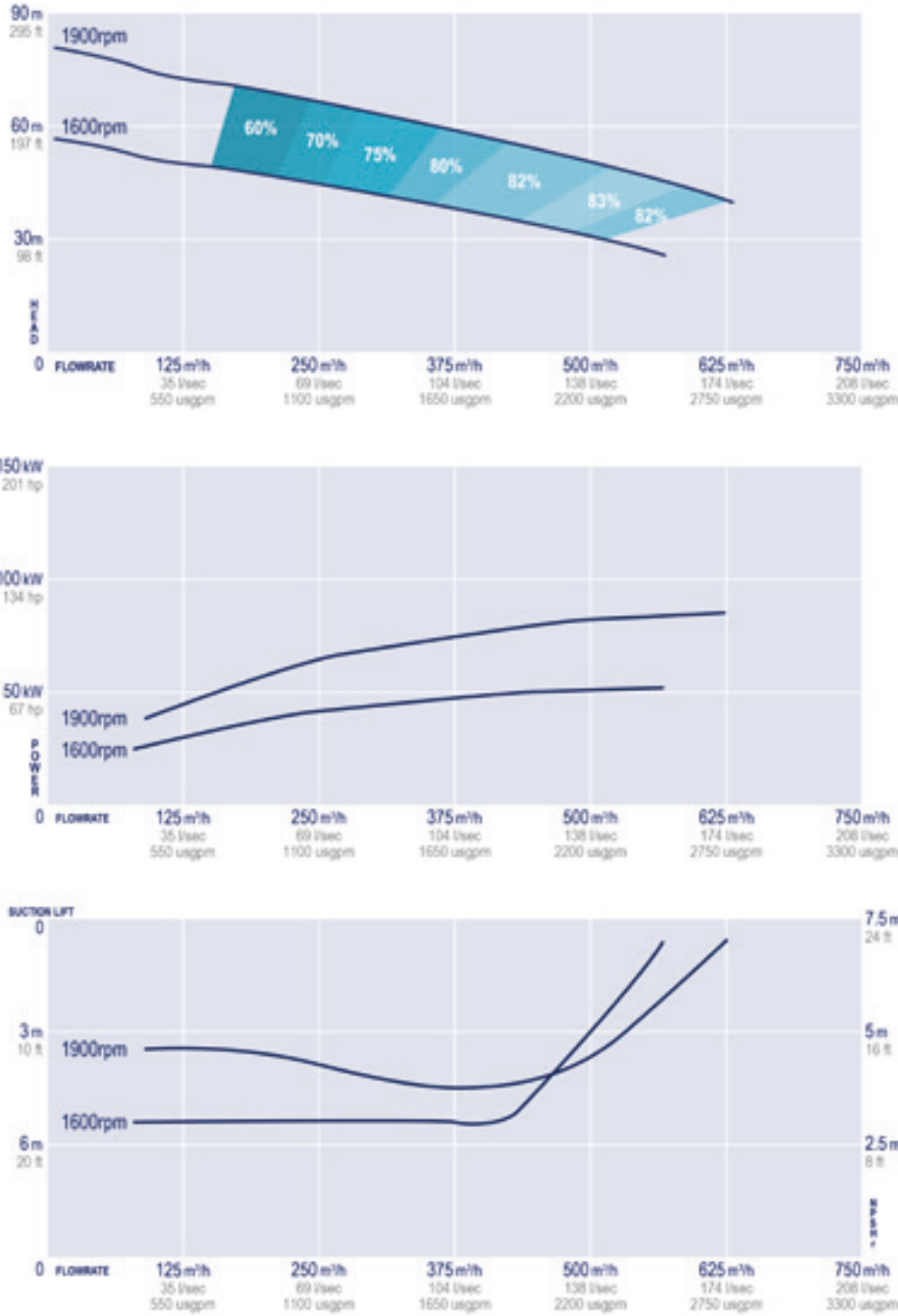
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# DE500/200



CLEAR LIQUIDS



DEWATERING

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
500 m <sup>3</sup> /hr 2200 usgpm	200 mtrs 655'	1760 rpm	62%

## AT A GLANCE

Suction Size	250 mm	10"
Discharge Size	200 mm	8"
Solids Handling	60 mm (min)	2.40" (min)
Max Flow	1490 m <sup>3</sup> /hr	6550 usgpm
Max Head	205 mtrs	655'
Max Speed	1760 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	133 ltrs/hr	35.15 usgph
Rated Power @ BEP	439 kW	589 hp
Model	CAT C32	
Emissions	EU Stage V	
Max Power	782 kW	1049 hp

## ELECTRIC MOTOR SPECIFICATION

### CHOOSE ELECTRIC

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## FEATURES & BENEFITS

Indefinite Dry-Run capabilities

Auto Start/Stop

UK Manufactured

Cycloseal – advanced mechanical seal that extends seal life, reduces seal failures and maximises uptime


 **1.70 HOURS**

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1490 m<sup>3</sup>/hr)



PLEASE GET IN TOUCH FOR MORE DETAILS ON PUMP SIZE

## PUMP SPECIFICATION

Model	CRP200MX615
Priming System	<p><b>Type:</b> Cornell liquid tolerant diaphragm vacuum pump </p> <p><b>Air Removal Capability:</b> 50 cfm</p> <p><b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover</p> <p><b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper</p> <p><b>Run Dry:</b> Indefinite capability</p>
Impeller	<p><b>Type:</b> Three Vane, High Head Enclosed Clear Liquids Impeller design providing optimal efficiency</p> <p><b>Size:</b> 616 mm (24.25")</p>
Volute	Heavy duty GG30 Gray Iron with 125# flanges
Mechanical Seal	Tungsten Carbide v Silicon Carbide
Bearing & Shaft	Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft

 Exceeds **NRMM** Standards



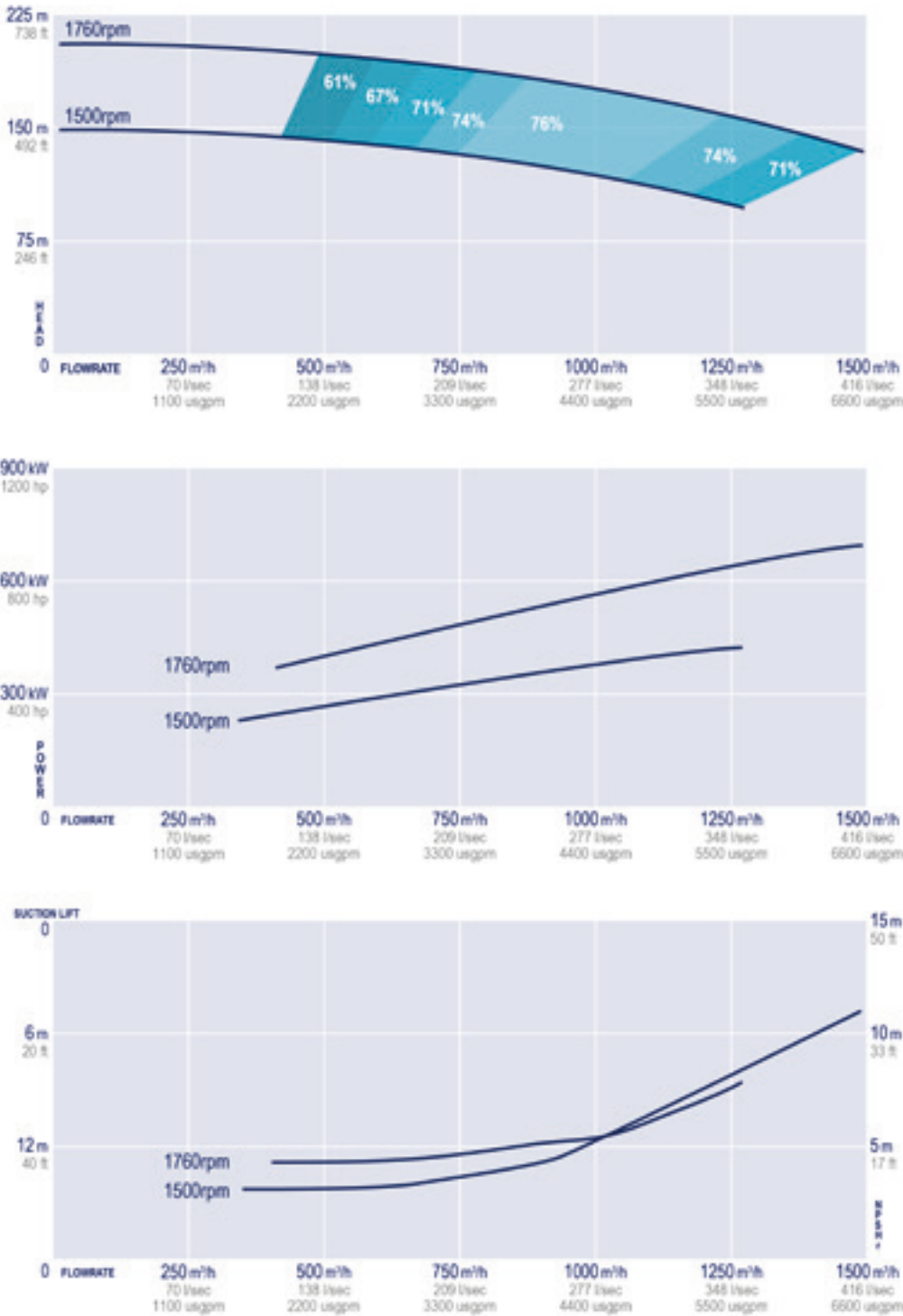
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# DE600/100



CLEAR LIQUIDS



DEWATERING

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
590 m <sup>3</sup> /hr 2560 usgpm	100 mtrs 331'	1780 rpm	76%

## AT A GLANCE

Suction Size	200 mm	8"
Discharge Size	150 mm	6"
Solids Handling	51 mm (min)	2" (min)
Max Flow	870 m <sup>3</sup> /hr	3820 usgpm
Max Head	115 mtrs	385'
Max Speed	1800 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	64 ltrs/hr	16.90 usgph
Rated Power @ BEP	215 kW	288 hp
Model	Deutz TCD7.8L6	
Emissions	EU Stage V	
Max Power	260 kW	348 hp

## ELECTRIC MOTOR SPECIFICATION

### CHOOSE ELECTRIC

Model	WEG / ABB 415V 3 phase 50Hz	
Standard	IEC3	
Rated Power	250 kW	335 hp
Enclosure	TEFC	
Nominal Speed	1500 rpm	
Frame	315 L	

## FEATURES & BENEFITS

Indefinite Dry-Run capabilities

Auto Start/Stop

UK Manufactured

Cycloseal – advanced mechanical seal that extends seal life, reduces seal failures and maximises uptime

 **2.90 HOURS**

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (870 m<sup>3</sup>/hr)



DXB5


## NET WEIGHT

4100 kgs  
9040 lbs

## L x W x H

4.25 x 1.60 x 2.20 mtr  
167 x 63 x 87"

## PUMP SPECIFICATION

Model	CRP150MX460
Priming System	<p><b>Type:</b> Cornell liquid tolerant diaphragm vacuum pump </p> <p><b>Air Removal Capability:</b> 50 cfm</p> <p><b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover</p> <p><b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper</p> <p><b>Run Dry:</b> Indefinite capability</p>
Impeller	<p><b>Type:</b> Four Vane, High Head Enclosed Clear Liquids Impeller design providing optimal efficiency</p> <p><b>Size:</b> 460 mm (18.11")</p>
Volute	Heavy duty GG30 Gray Iron with 125# flanges
Mechanical Seal	Tungsten Carbide v Silicon Carbide
Bearing & Shaft	Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft



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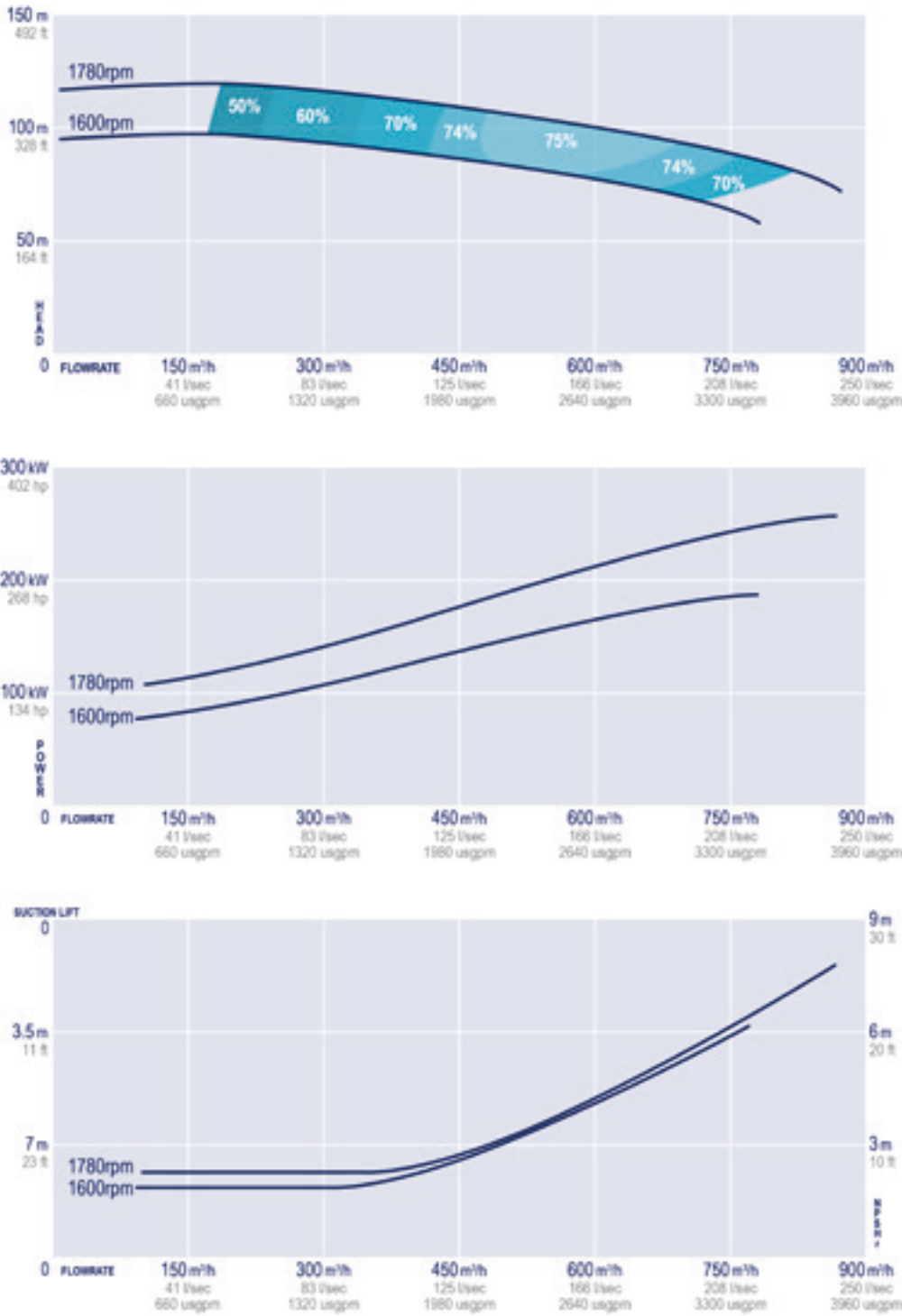
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# DE600/160



CLEAR LIQUIDS



DEWATERING

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
705 m <sup>3</sup> /hr 3095 usgpm	155 mtrs 512'	1800 rpm	76%

AT A GLANCE		
Suction Size	200 mm	8"
Discharge Size	150 mm	6"
Solids Handling	51 mm (min)	2" (min)
Max Flow	1015 m <sup>3</sup> /hr	4460 usgpm
Max Head	170 mtrs	560'
Max Speed	1800 rpm	

DIESEL ENGINE SPECIFICATION		CHOOSE DIESEL
Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	117 ltrs/hr	30.90 usgph
Rated Power @ BEP	395 kW	530 hp
Model	CAT C18TTA	
Emissions	EU Stage V	
Max Power	500 kW	671 hp

ELECTRIC MOTOR SPECIFICATION		CHOOSE ELECTRIC
Model	WEG / ABB 415V 3 phase 50Hz	
Standard	IEC3	
Rated Power	500 kW	671 hp
Enclosure	TEFC	
Nominal Speed	1500 rpm	
Frame	355 A/B	

FEATURES & BENEFITS
Indefinite Dry-Run capabilities
Auto Start/Stop
UK Manufactured
Cycloseal – advanced mechanical seal that extends seal life, reduces seal failures and maximises uptime


**2.50 HOURS**

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1015 m<sup>3</sup>/hr)

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PLEASE GET IN TOUCH FOR MORE DETAILS ON PUMP SIZE

PUMP SPECIFICATION	
Model	CRP150MX550
Priming System	<p><b>Type:</b> Cornell liquid tolerant diaphragm vacuum pump </p> <p><b>Air Removal Capability:</b> 50 cfm</p> <p><b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover</p> <p><b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper</p> <p><b>Run Dry:</b> Indefinite capability</p>
Impeller	<p><b>Type:</b> Four Vane, CA6NM High Head Enclosed Clear Liquids Impeller design providing optimal efficiency</p> <p><b>Size:</b> 550 mm (21.65")</p>
Volute	Heavy duty GG30 Gray Iron with 125# flanges
Mechanical Seal	Tungsten Carbide v Silicon Carbide
Bearing & Shaft	Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft

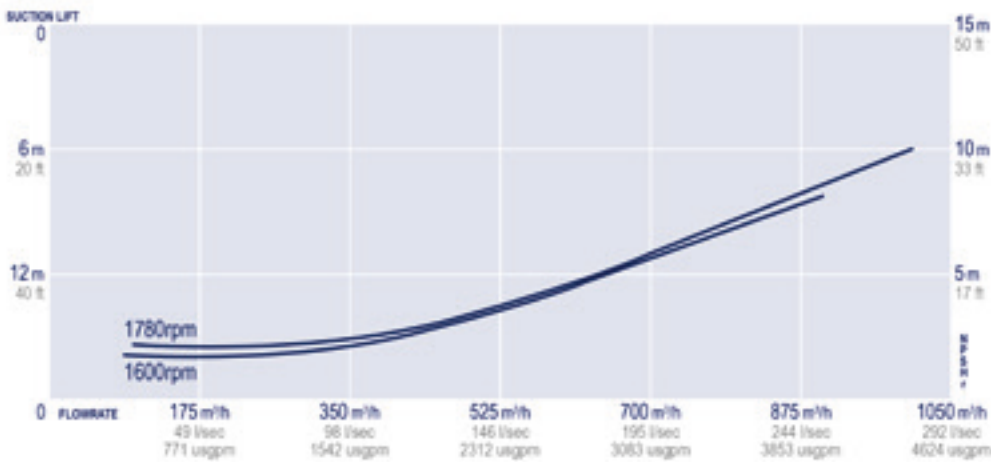
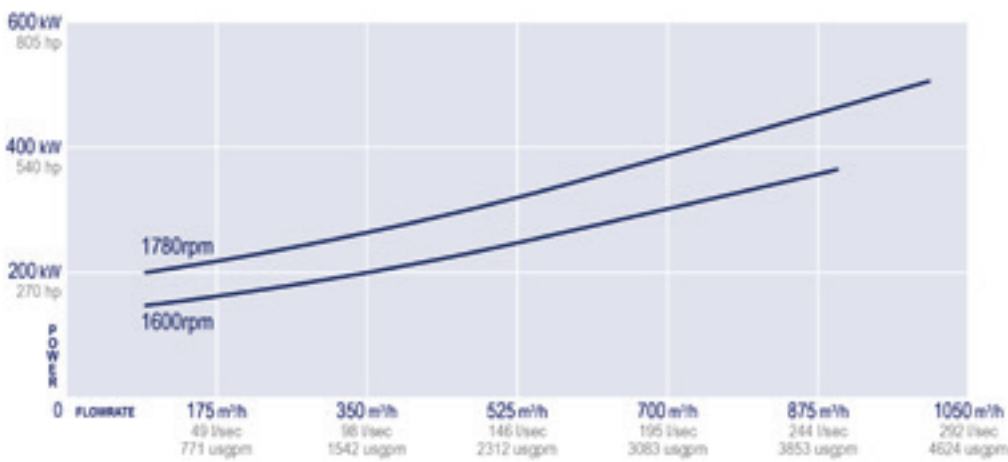
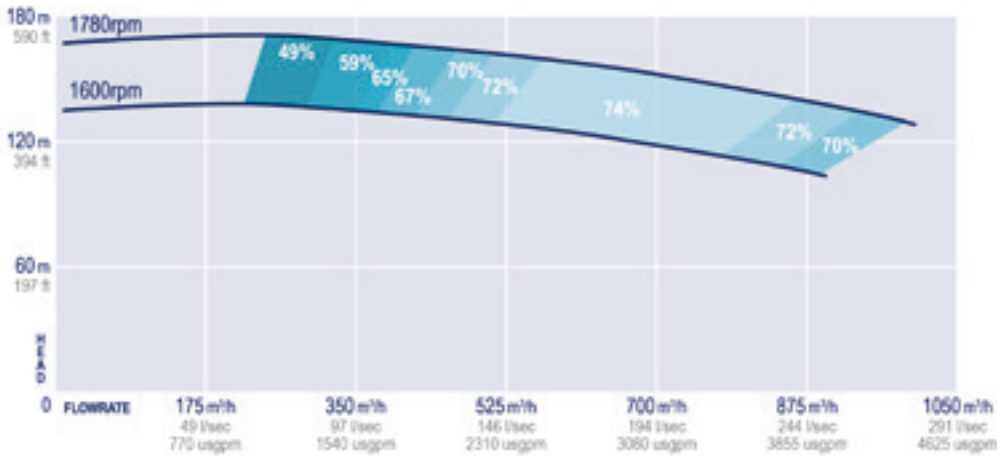
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# DE750/25



SOLIDS  
HANDLING



DEWATERING

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
750 m <sup>3</sup> /hr 3300 usgpm	25 mtrs 82'	1550 rpm	79%

## AT A GLANCE

Suction Size	200 mm	8"
Discharge Size	200 mm	8"
Solids Handling	86 mm (min)	3.40" (min)
Max Flow	720 m <sup>3</sup> /hr	3165 usgpm
Max Head	53 mtrs	174'
Max Speed	1750 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	19 ltrs/hr	5.00 usgph
Rated Power @ BEP	64 kW	86 hp
Model	Deutz TCD3.6L4	
Emissions	EU Stage V	
Max Power	105 kW	141 hp

## ELECTRIC MOTOR SPECIFICATION

### CHOOSE ELECTRIC

Model	WEG / ABB 415V 3 phase 50Hz	
Standard	IEC3	
Rated Power	110 kW	148 hp
Enclosure	TEFC	
Nominal Speed	1500 rpm	
Frame	315	

## FEATURES & BENEFITS

Indefinite Dry-Run capabilities

Auto Start/Stop

UK Manufactured

Cycloseal – advanced mechanical seal that extends seal life, reduces seal failures and maximises uptime

 **3.50 HOURS**

To empty an Olympic Swimming Pool  
(2,500,000 litres) at Max Flow (720 m<sup>3</sup>/hr)



DXB3


## NET WEIGHT

2350 kgs  
5180 lbs

## L x W x H

2.85 x 1.20 x 2.00 mtr  
112 x 47 x 78"

## PUMP SPECIFICATION

Model	CRP200NNT356	
Priming System	<b>Type:</b> Cornell liquid tolerant diaphragm vacuum pump 	
	<b>Air Removal Capability:</b> 50 cfm	
	<b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover	
Impeller	<b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper	
	<b>Run Dry:</b> Indefinite capability	
	<b>Type:</b> Two Vane Enclosed Solids Handling Impeller design for large spherical solids pass through whilst providing optimal efficiency <b>Size:</b> 356 mm (14.02")	
Volute	Heavy duty GG30 Gray Iron with 125# flanges	
Mechanical Seal	Tungsten Carbide v Silicon Carbide	
Bearing & Shaft	Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft	



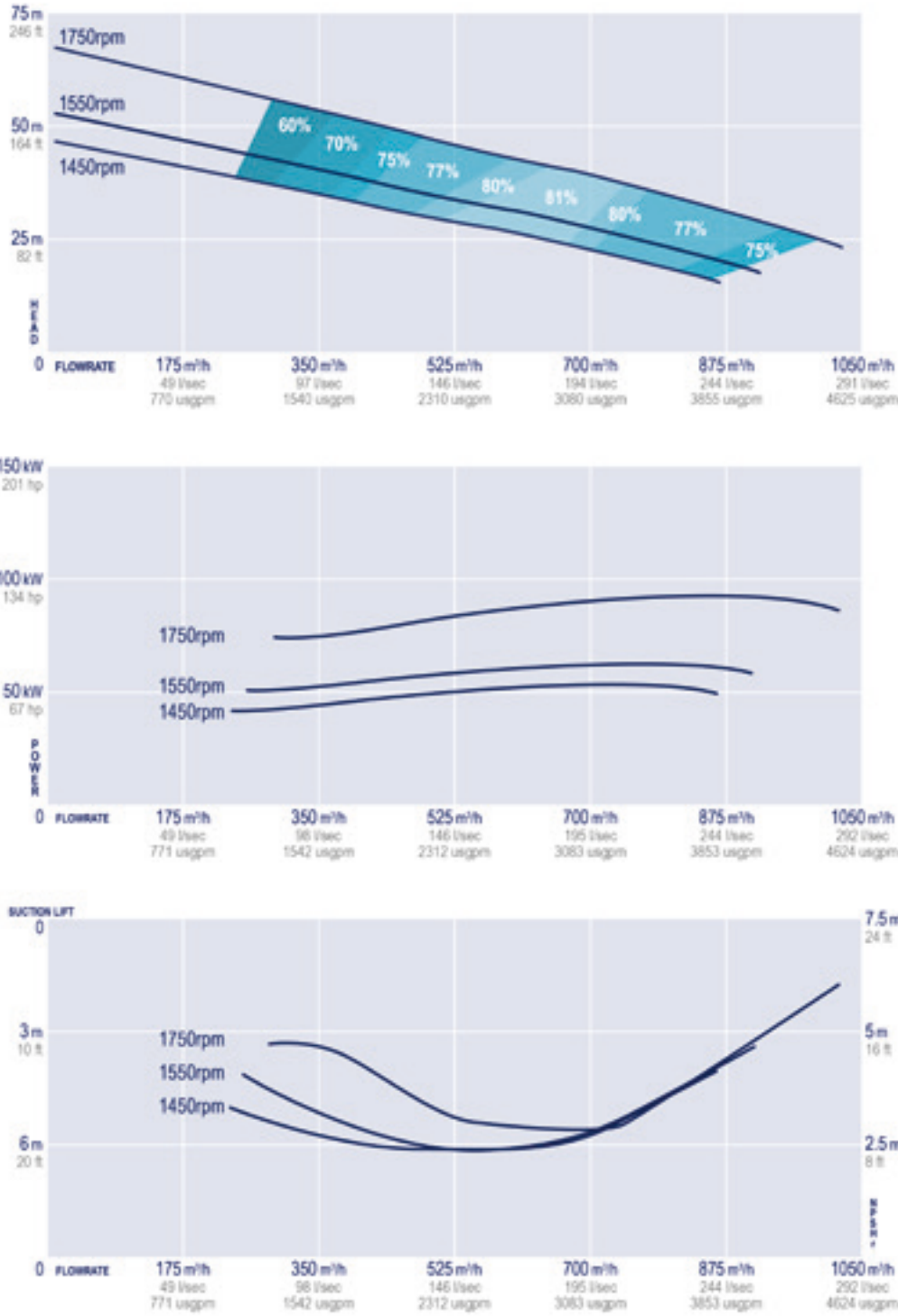
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# DE750/50



SOLIDS  
HANDLING



DEWATERING

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
750 m <sup>3</sup> /hr 3300 usgpm	25 mtrs 82'	1550 rpm	79%

## AT A GLANCE

Suction Size	250 mm	10"
Discharge Size	200 mm	8"
Solids Handling	86 mm (min)	3.40" (min)
Max Flow	860 m <sup>3</sup> /hr	3790 usgpm
Max Head	90 mtrs	295'
Max Speed	1800 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	44 ltrs/hr	11.60 usgph
Rated Power @ BEP	125 kW	168 hp
Model	Deutz TCD6.1L4	
Emissions	EU Stage V	
Max Power	180 kW	241 hp

## ELECTRIC MOTOR SPECIFICATION

### CHOOSE ELECTRIC

Model	WEG / ABB 415V 3 phase 50Hz	
Standard	IEC3	
Rated Power	185 kW	248 hp
Enclosure	TEFC	
Nominal Speed	1500 rpm	
Frame	315	

## FEATURES & BENEFITS

Indefinite Dry-Run capabilities
Auto Start/Stop
UK Manufactured
Cycloseal – advanced mechanical seal that extends seal life, reduces seal failures and maximises uptime

 **2.90 HOURS**

To empty an Olympic Swimming Pool  
(2,500,000 litres) at Max Flow (860 m<sup>3</sup>/hr)



DXB4


## NET WEIGHT

3750 kgs  
8265 lbs

## L x W x H

3.70 x 1.40 x 2.05 mtr  
146 x 55 x 80"

## PUMP SPECIFICATION

Model	CRP200NHTA410
Priming System	<p><b>Type:</b> Cornell liquid tolerant diaphragm vacuum pump </p> <p><b>Air Removal Capability:</b> 50 cfm</p> <p><b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover</p> <p><b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper</p> <p><b>Run Dry:</b> Indefinite capability</p>
Impeller	<p><b>Type:</b> Two Vane Enclosed Solids Handling Impeller design for large spherical solids pass through whilst providing optimal efficiency</p> <p><b>Size:</b> 410 mm (16.14")</p>
Volute	Heavy duty GG30 Gray Iron with 125# flanges
Mechanical Seal	Tungsten Carbide v Silicon Carbide
Bearing & Shaft	Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft



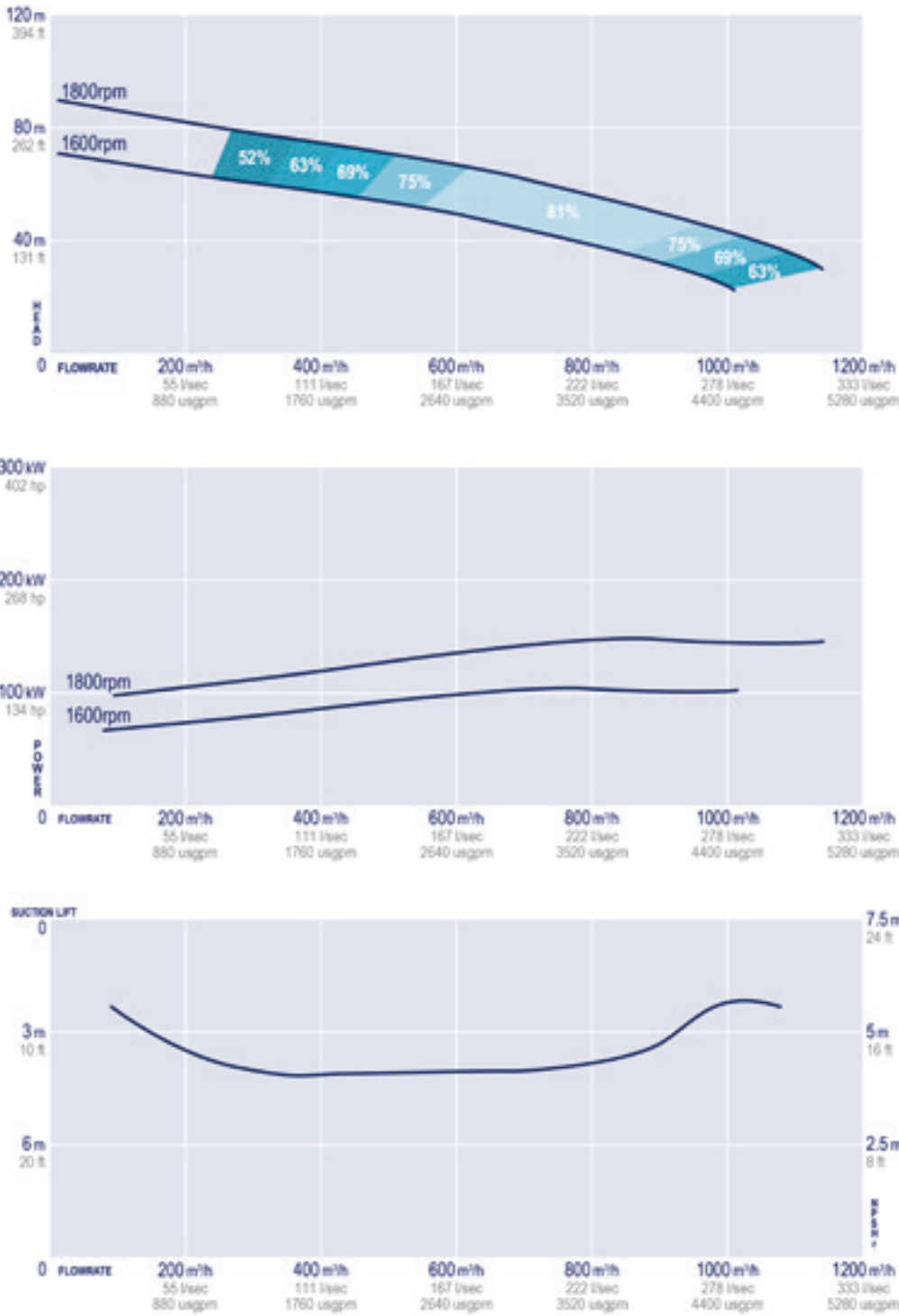
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# DE750/150



CLEAR LIQUIDS



DEWATERING

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
965 m <sup>3</sup> /hr 4255 usgpm	136 mtrs 446'	1800 rpm	72%

## AT A GLANCE

Suction Size	250 mm	10"
Discharge Size	200 mm	8"
Solids Handling	60 mm (min)	2.40" (min)
Max Flow	1435 m <sup>3</sup> /hr	6310 usgpm
Max Head	164 mtrs	538'
Max Speed	1800 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	149 ltrs/hr	39.40 usgph
Rated Power @ BEP	498 kW	668 hp
Model	CAT C27	
Emissions	EU Stage V	
Max Power	600 kW	805 hp

## ELECTRIC MOTOR SPECIFICATION

### CHOOSE ELECTRIC

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## FEATURES & BENEFITS

Indefinite Dry-Run capabilities
Auto Start/Stop
UK Manufactured
Cycloseal – advanced mechanical seal that extends seal life, reduces seal failures and maximises uptime

**1.75 HOURS**

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1435 m<sup>3</sup>/hr)

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DXB7

PLEASE GET IN TOUCH FOR MORE DETAILS ON PUMP SIZE

## PUMP SPECIFICATION

Model	CRP200MX550
Priming System	<p><b>Type:</b> Cornell liquid tolerant diaphragm vacuum pump</p> <p><b>Air Removal Capability:</b> 50 cfm</p> <p><b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover</p> <p><b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper</p> <p><b>Run Dry:</b> Indefinite capability</p>
Impeller	<p><b>Type:</b> Two Vane Enclosed Solids Handling Impeller design for large spherical solids pass through whilst providing optimal efficiency</p> <p><b>Size:</b> 550 mm (21.65")</p>
Volute	Heavy duty GG30 Gray Iron with 125# flanges
Mechanical Seal	Tungsten Carbide v Silicon Carbide
Bearing & Shaft	Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft

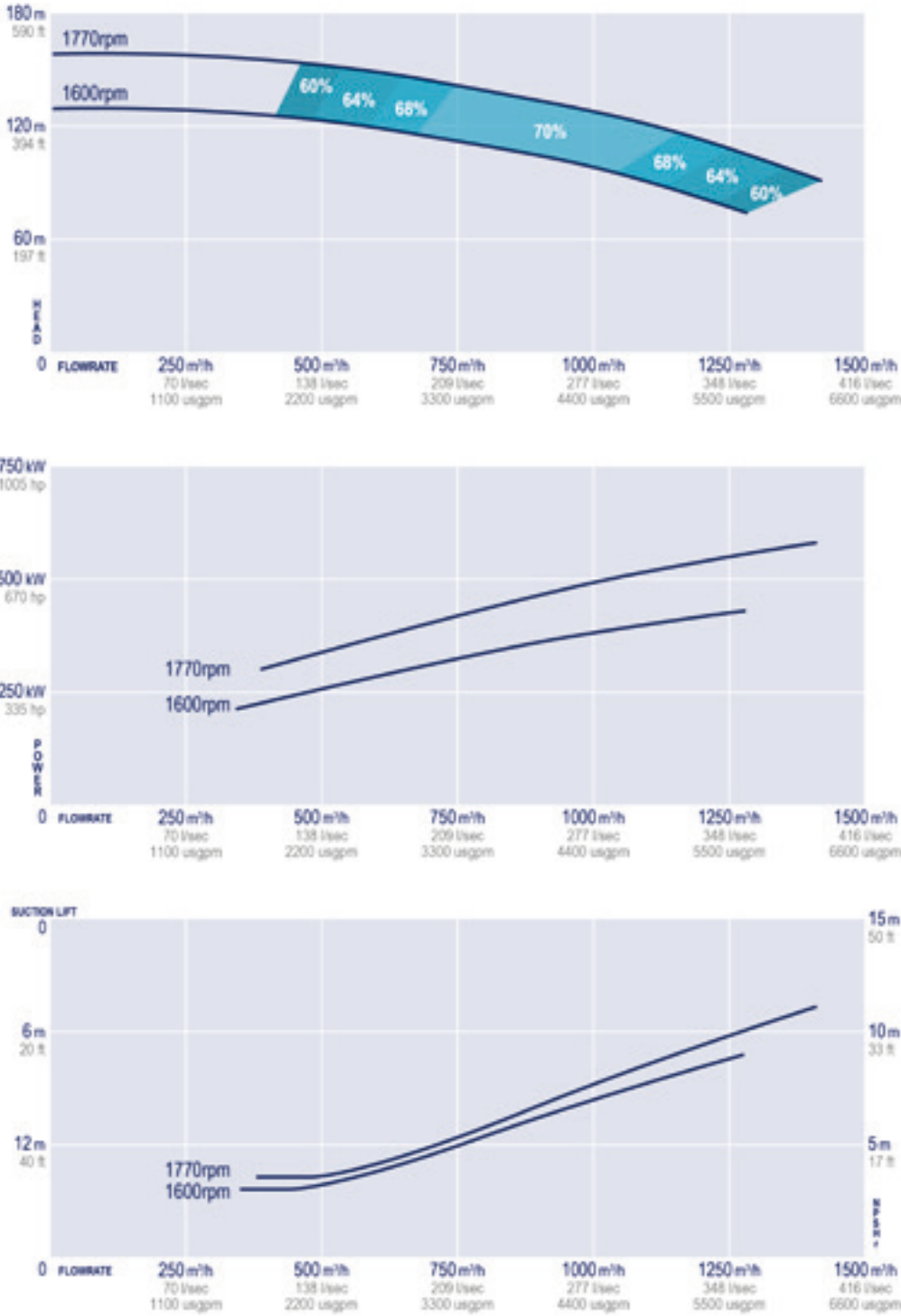


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# DE750/200



CLEAR LIQUIDS



DEWATERING

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
1085 m <sup>3</sup> /hr 4780 usgpm	177 mtrs 581'	1900 rpm	75%

## AT A GLANCE

Suction Size	250 mm	10"
Discharge Size	200 mm	8"
Solids Handling	60 mm (min)	2.40" (min)
Max Flow	1640 m <sup>3</sup> /hr	7205 usgpm
Max Head	213 mtrs	699'
Max Speed	1900 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	209 ltrs/hr	55.20 usgph
Rated Power @ BEP	695 kW	932 hp
Model	CAT C32	
Emissions	EU Stage V	
Max Power	800 kW	1073 hp

## ELECTRIC MOTOR SPECIFICATION

### CHOOSE ELECTRIC

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## FEATURES & BENEFITS

Indefinite Dry-Run capabilities

Auto Start/Stop

UK Manufactured

Cycloseal – advanced mechanical seal that extends seal life, reduces seal failures and maximises uptime

**1.55 HOURS**

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1640 m<sup>3</sup>/hr)



PLEASE GET IN TOUCH FOR MORE DETAILS ON PUMP SIZE

## PUMP SPECIFICATION

Model	CRP200MX586
Priming System	<p><b>Type:</b> Cornell liquid tolerant diaphragm vacuum pump </p> <p><b>Air Removal Capability:</b> 50 cfm</p> <p><b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover</p> <p><b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper</p> <p><b>Run Dry:</b> Indefinite capability</p>
Impeller	<p><b>Type:</b> Three Vane, High Head Enclosed Clear Liquids Impeller design providing optimal efficiency</p> <p><b>Size:</b> 586 mm (23.07")</p>
Volute	Heavy duty GG30 Gray Iron with 125# flanges
Mechanical Seal	Tungsten Carbide v Silicon Carbide
Bearing & Shaft	Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft

Exceeds NRMM Standards



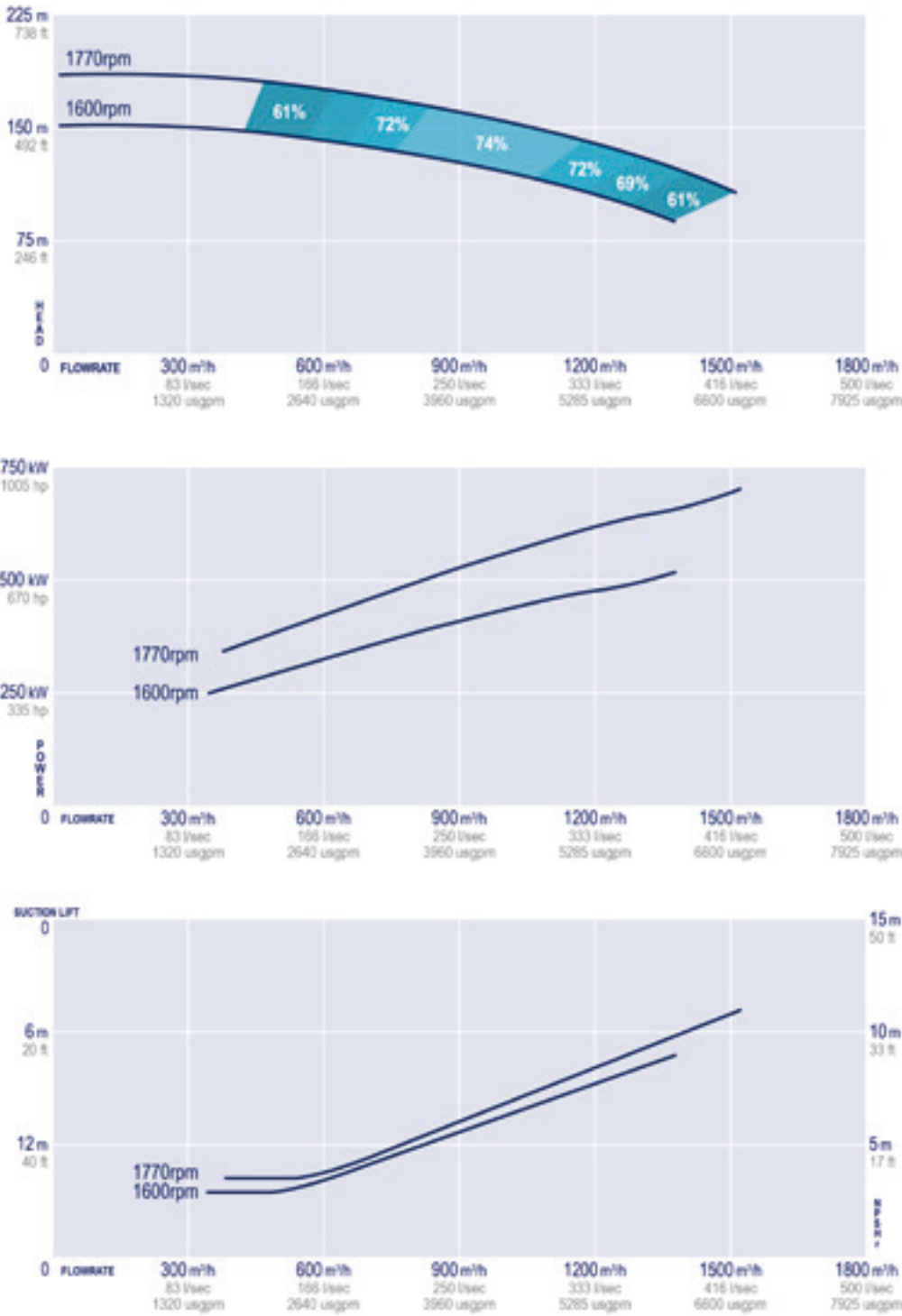
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# DE900/90



SOLIDS  
HANDLING



DEWATERING

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
750 m <sup>3</sup> /hr 3300 usgpm	25 mtrs 82'	1550 rpm	79%

## AT A GLANCE

Suction Size	250 mm	10"
Discharge Size	200 mm	8"
Solids Handling	102 mm (min)	4" (min)
Max Flow	1830 m <sup>3</sup> /hr	8070 usgpm
Max Head	123 mtrs	404'
Max Speed	1800 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	85 ltrs/hr	22.45 usgph
Rated Power @ BEP	283 kW	380 hp
Model	Scania DC13	
Emissions	EU Stage V	
Max Power	300 kW	402 hp

## ELECTRIC MOTOR SPECIFICATION

### CHOOSE ELECTRIC

Model	WEG / ABB 415V 3 phase 50Hz	
Standard	IEC3	
Rated Power	315 kW	422 hp
Enclosure	TEFC	
Nominal Speed	1500 rpm	
Frame	355	

## FEATURES & BENEFITS

Indefinite Dry-Run capabilities
Auto Start/Stop
UK Manufactured
Cycloseal – advanced mechanical seal that extends seal life, reduces seal failures and maximises uptime

**1.35 HOURS**

To empty an Olympic Swimming Pool  
(2,500,000 litres) at Max Flow (1830 m<sup>3</sup>/hr)



DXB6


## NET WEIGHT

7000 kgs  
15430 lbs

## L x W x H

4.10 x 2.10 x 2.20 mtr  
161 x 82 x 87"

## PUMP SPECIFICATION

Model	CRP200NHTH482
Priming System	<p><b>Type:</b> Cornell liquid tolerant diaphragm vacuum pump </p> <p><b>Air Removal Capability:</b> 50 cfm</p> <p><b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover</p> <p><b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper</p> <p><b>Run Dry:</b> Indefinite capability</p>
Impeller	<p><b>Type:</b> Two Vane Enclosed Solids Handling Impeller design for large spherical solids pass through whilst providing optimal efficiency</p> <p><b>Size:</b> 495 mm (9.00")</p>
Volute	Heavy duty GG30 Gray Iron with 125# flanges
Mechanical Seal	Tungsten Carbide v Silicon Carbide
Bearing & Shaft	Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft



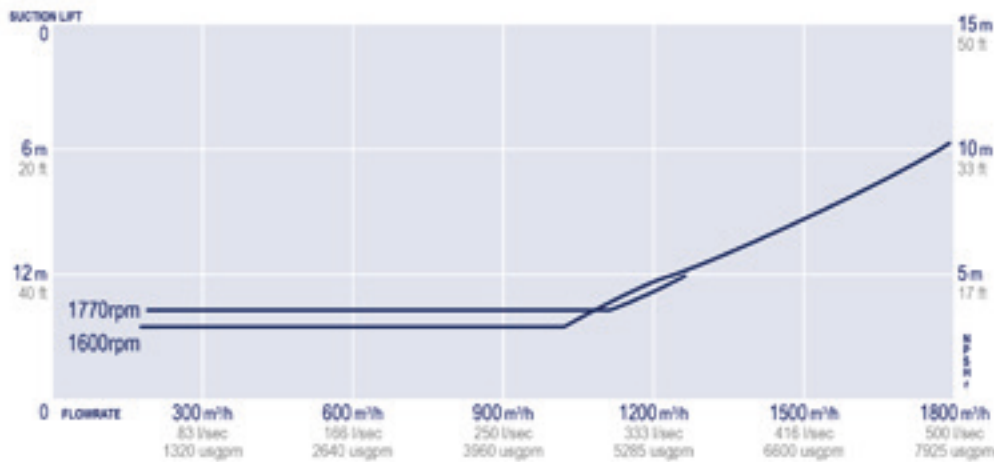
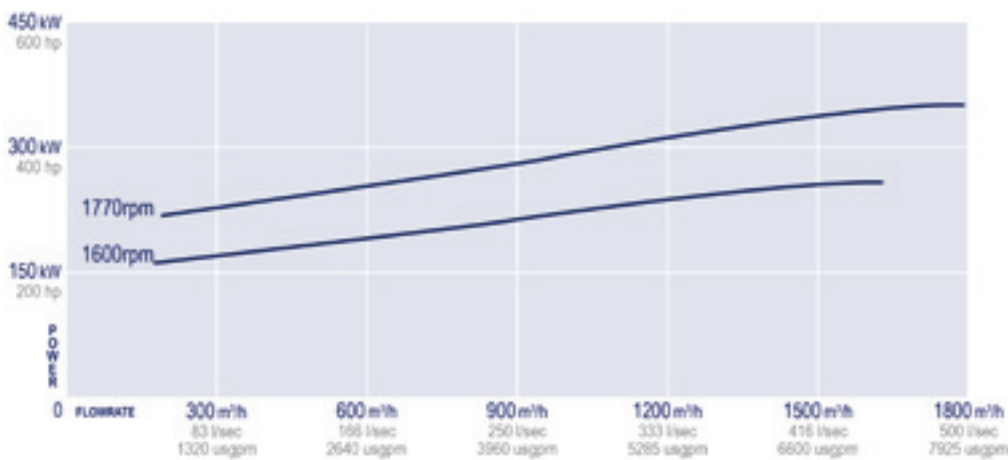
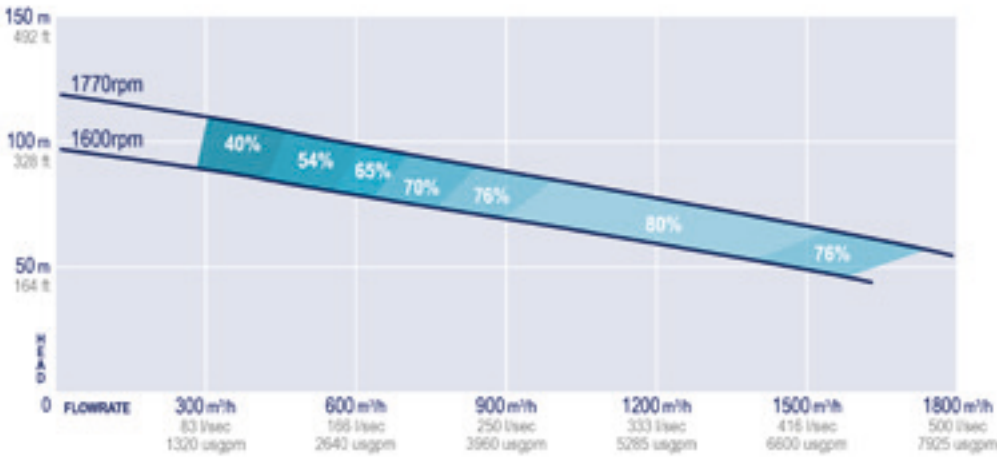
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# DE1000/50



DEWATERING

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
1000 m <sup>3</sup> /hr 4400 usgpm	50 mtrs 164'	1515 rpm	79%

## AT A GLANCE

Suction Size	250 mm	10"
Discharge Size	250 mm	10"
Solids Handling	86 mm (min)	3.40" (min)
Max Flow	1650 m <sup>3</sup> /hr	7280 usgpm
Max Head	77 mtrs	254'
Max Speed	1520 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	52 ltrs/hr	13.75 usgph
Rated Power @ BEP	172 kW	231 hp
Model	Deutz TCD7.8L6	
Emissions	EU Stage V	
Max Power	260 kW	348 hp

## ELECTRIC MOTOR SPECIFICATION

### CHOOSE ELECTRIC

Model	WEG / ABB 415V 3 phase 50Hz	
Standard	IEC3	
Rated Power	250 kW	335 hp
Enclosure	TEFC	
Nominal Speed	1500 rpm	
Frame	315 L	

## FEATURES & BENEFITS

Indefinite Dry-Run capabilities
Auto Start/Stop
UK Manufactured
Cycloseal – advanced mechanical seal that extends seal life, reduces seal failures and maximises uptime

 **1.50 HOURS**

To empty an Olympic Swimming Pool  
(2,500,000 litres) at Max Flow (1650 m<sup>3</sup>/hr)




## NET WEIGHT

4100 kgs  
9040 lbs

## L x W x H

4.25 x 1.60 x 2.20 mtr  
167 x 63 x 87"

## PUMP SPECIFICATION

Model	CRP250NNT445
Priming System	<p><b>Type:</b> Cornell liquid tolerant diaphragm vacuum pump </p> <p><b>Air Removal Capability:</b> 50 cfm</p> <p><b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover</p> <p><b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper</p> <p><b>Run Dry:</b> Indefinite capability</p>
Impeller	<p><b>Type:</b> Two Vane Enclosed Solids Handling Impeller design for large spherical solids pass through whilst providing optimal efficiency</p> <p><b>Size:</b> 445 mm (17.52")</p>
Volute	Heavy duty GG30 Gray Iron with 125# flanges
Mechanical Seal	Tungsten Carbide v Silicon Carbide
Bearing & Shaft	Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft



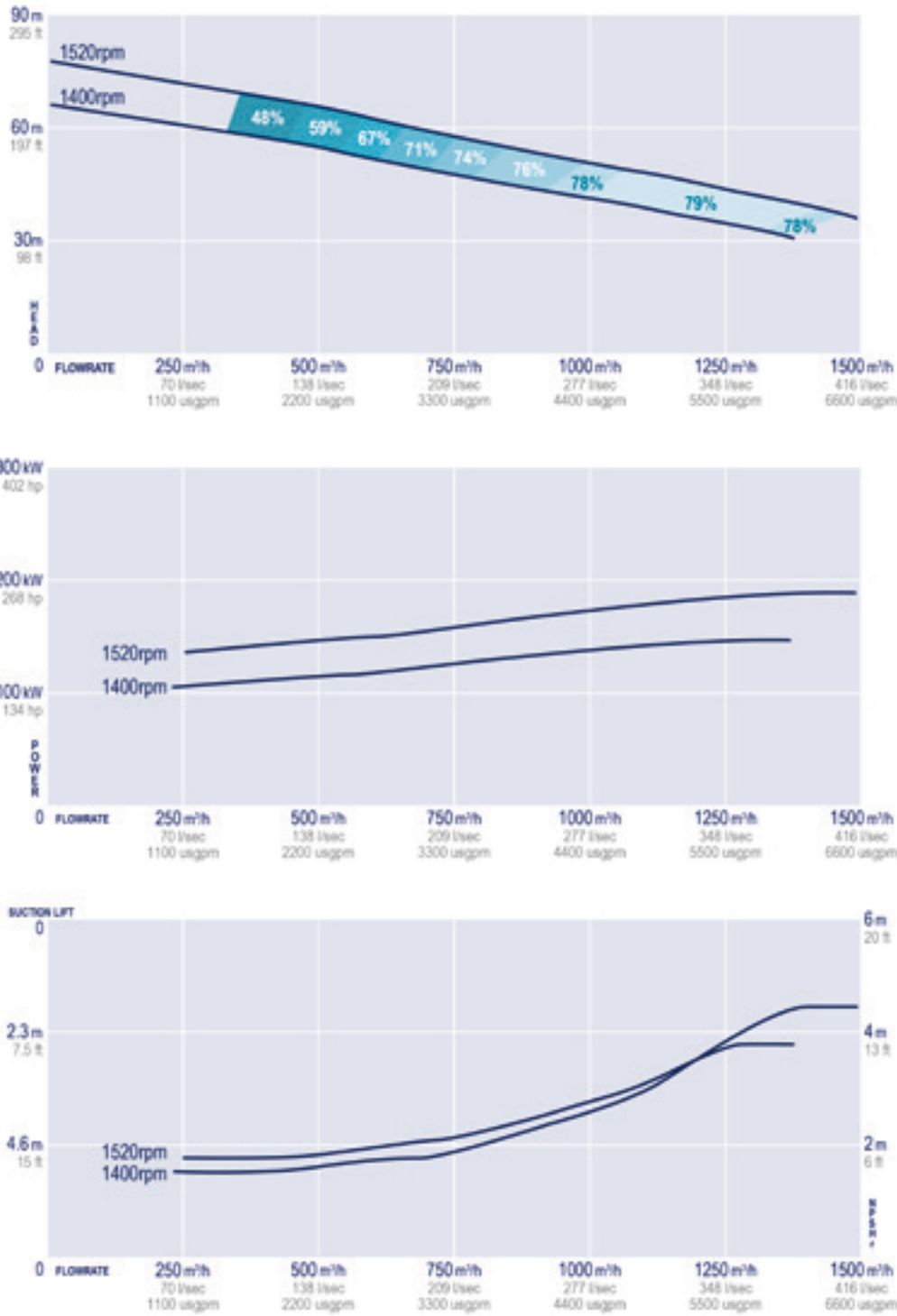
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# DE1000/150



DEWATERING

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
990 m <sup>3</sup> /hr 4370 usgpm	148 mtrs 486'	2100 rpm	81%

## AT A GLANCE

Suction Size	250 mm	10"
Discharge Size	200 mm	8"
Solids Handling	62 mm (min)	2.45" (min)
Max Flow	1550 m <sup>3</sup> /hr	6820 usgpm
Max Head	181 mtrs	594'
Max Speed	2100 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	148 ltrs/hr	39.10 usgph
Rated Power @ BEP	489 kW	656 hp
Model	CAT C27	
Emissions	EU Stage V	
Max Power	597 kW	801 hp

## ELECTRIC MOTOR SPECIFICATION

### CHOOSE ELECTRIC

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## FEATURES & BENEFITS

Indefinite Dry-Run capabilities

Auto Start/Stop

UK Manufactured

Cycloseal – advanced mechanical seal that extends seal life, reduces seal failures and maximises uptime

**1.60 HOURS**

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1550 m<sup>3</sup>/hr)



DXB10

PLEASE GET IN TOUCH FOR MORE DETAILS ON PUMP SIZE

## PUMP SPECIFICATION

Model	CRP200NHG495
Priming System	<p><b>Type:</b> Cornell liquid tolerant diaphragm vacuum pump</p> <p><b>Air Removal Capability:</b> 50 cfm</p> <p><b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover</p> <p><b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper</p> <p><b>Run Dry:</b> Indefinite capability</p>
Impeller	<p><b>Type:</b> Three Vane Enclosed Solids Handling Impeller design for large spherical solids pass through whilst providing optimal efficiency</p> <p><b>Size:</b> 495 mm (19.49")</p>
Volute	Heavy duty GG30 Gray Iron with 125# flanges
Mechanical Seal	Tungsten Carbide v Silicon Carbide
Bearing & Shaft	Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft



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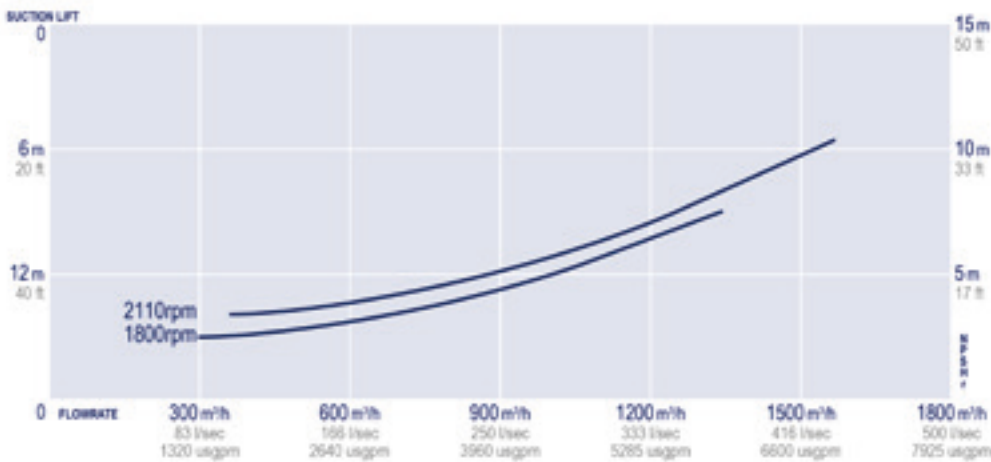
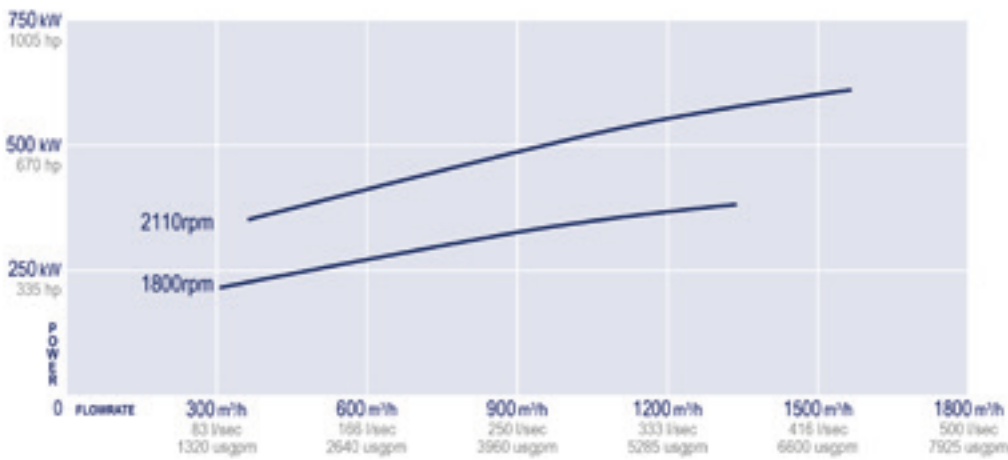
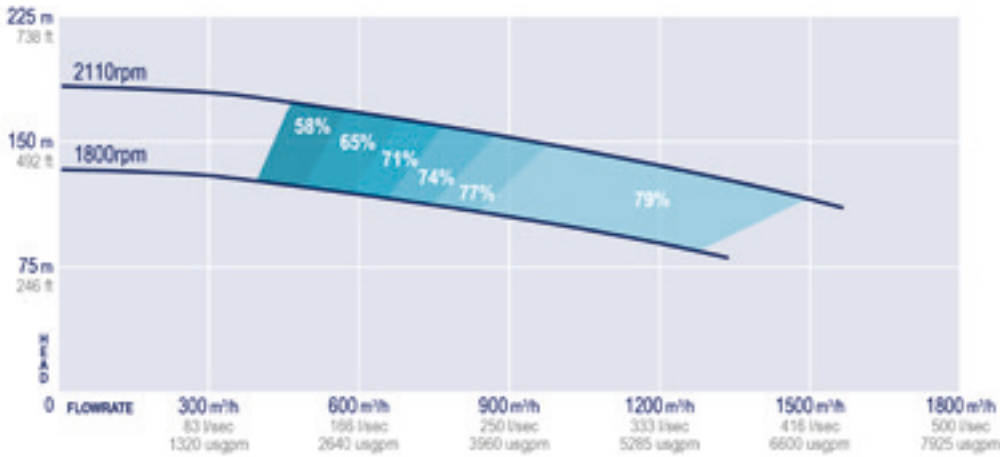
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# DE1000/200



DEWATERING

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
1000 m <sup>3</sup> /hr 4400 usgpm	200 mtrs 656'	1860 rpm	76%

## AT A GLANCE

Suction Size	250 mm	10"
Discharge Size	200 mm	8"
Solids Handling	60 mm (min)	2.40" (min)
Max Flow	1700 m <sup>3</sup> /hr	7490 usgpm
Max Head	240 mtrs	787'
Max Speed	1860 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	215 ltrs/hr	56.80 usgph
Rated Power @ BEP	717 kW	962 hp
Model	CAT C32	
Emissions	EU Stage V	
Max Power	782 kW	1049 hp

## ELECTRIC MOTOR SPECIFICATION

### CHOOSE ELECTRIC

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## FEATURES & BENEFITS

Indefinite Dry-Run capabilities

Auto Start/Stop

UK Manufactured

Cycloseal – advanced mechanical seal that extends seal life, reduces seal failures and maximises uptime

**1.45 HOURS**

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1700 m<sup>3</sup>/hr)



DXB10

PLEASE GET IN TOUCH FOR MORE DETAILS ON PUMP SIZE

## PUMP SPECIFICATION

Model	CRP200MX616
Priming System	<p><b>Type:</b> Cornell liquid tolerant diaphragm vacuum pump </p> <p><b>Air Removal Capability:</b> 50 cfm</p> <p><b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover</p> <p><b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper</p> <p><b>Run Dry:</b> Indefinite capability</p>
Impeller	<p><b>Type:</b> Three Vane, High Head Enclosed Clear Liquids Impeller design providing optimal efficiency</p> <p><b>Size:</b> 616 mm (24.25")</p>
Volute	Heavy duty GG30 Gray Iron with 125# flanges
Mechanical Seal	Tungsten Carbide v Silicon Carbide
Bearing & Shaft	Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft



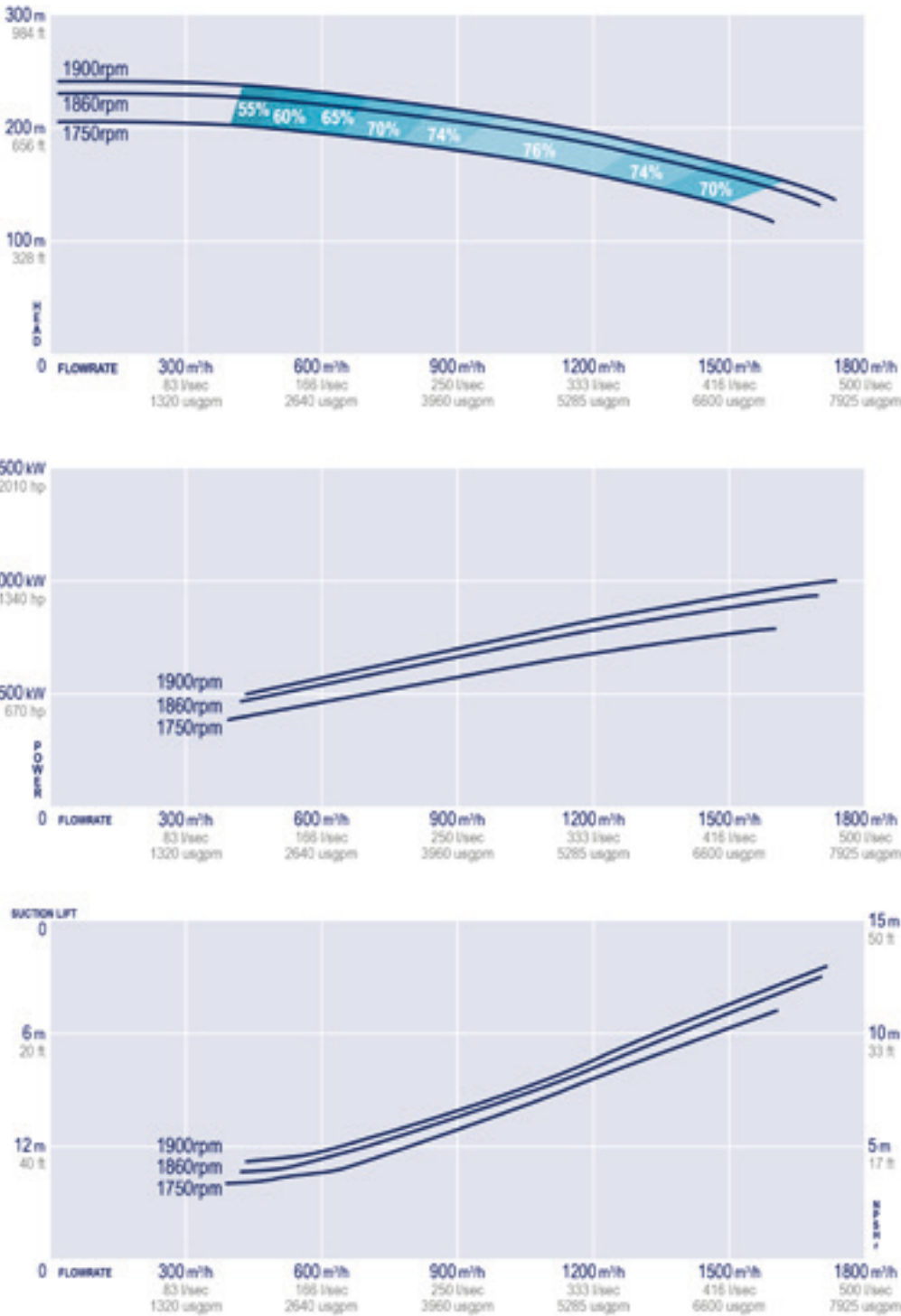
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# DE2500/20



SOLIDS  
HANDLING



DEWATERING

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
2500 m <sup>3</sup> /hr 11010 usgpm	20 mtrs 66'	900 rpm	85%

## AT A GLANCE

Suction Size	450 mm	18"
Discharge Size	450 mm	18"
Solids Handling	114 mm (min)	4.50" (min)
Max Flow	2800 m <sup>3</sup> /hr	12330 usgpm
Max Head	35 mtrs	115'
Max Speed	900 rpm	

## DIESEL ENGINE SPECIFICATION CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	49 ltrs/hr	12.95 usgph
Rated Power @ BEP	162 kW	217 hp
Model	DEUTZ TCD6.1L4	
Emissions	EU Stage V	
Max Power	180 kW	241 hp

## ELECTRIC MOTOR SPECIFICATION CHOOSE ELECTRIC

Model	WEG / ABB 415V 3 phase 50Hz	
Standard	IEC3	
Rated Power	185 kW	248 hp
Enclosure	TEFC	
Nominal Speed	1500 rpm	
Frame	315	

## FEATURES & BENEFITS

Indefinite Dry-Run capabilities
Auto Start/Stop
UK Manufactured
Cycloseal – advanced mechanical seal that extends seal life, reduces seal failures and maximises uptime

**0.90 HOURS**

To empty an Olympic Swimming Pool  
(2,500,000 litres) at Max Flow (2800 m<sup>3</sup>/hr)



DXB8

NET WEIGHT	L x W x H
5000 kgs 11020 lbs	5.00 x 1.50 x 2.20 mtr 197 x 59 x 87"

## PUMP SPECIFICATION

Model	CRP450NHG558
Priming System	<p><b>Type:</b> Cornell liquid tolerant diaphragm vacuum pump</p> <p><b>Air Removal Capability:</b> 50 cfm</p> <p><b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover</p> <p><b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper</p> <p><b>Run Dry:</b> Indefinite capability</p>
Impeller	<p><b>Type:</b> Three Vane, Ductile Iron Enclosed Solids Handling Impeller design for large spherical solids pass through whilst providing optimal efficiency</p> <p><b>Size:</b> 558 mm (22.00")</p>
Volute	Heavy duty GG30 Gray Iron with 125# flanges
Mechanical Seal	Tungsten Carbide v Silicon Carbide
Bearing & Shaft	Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft



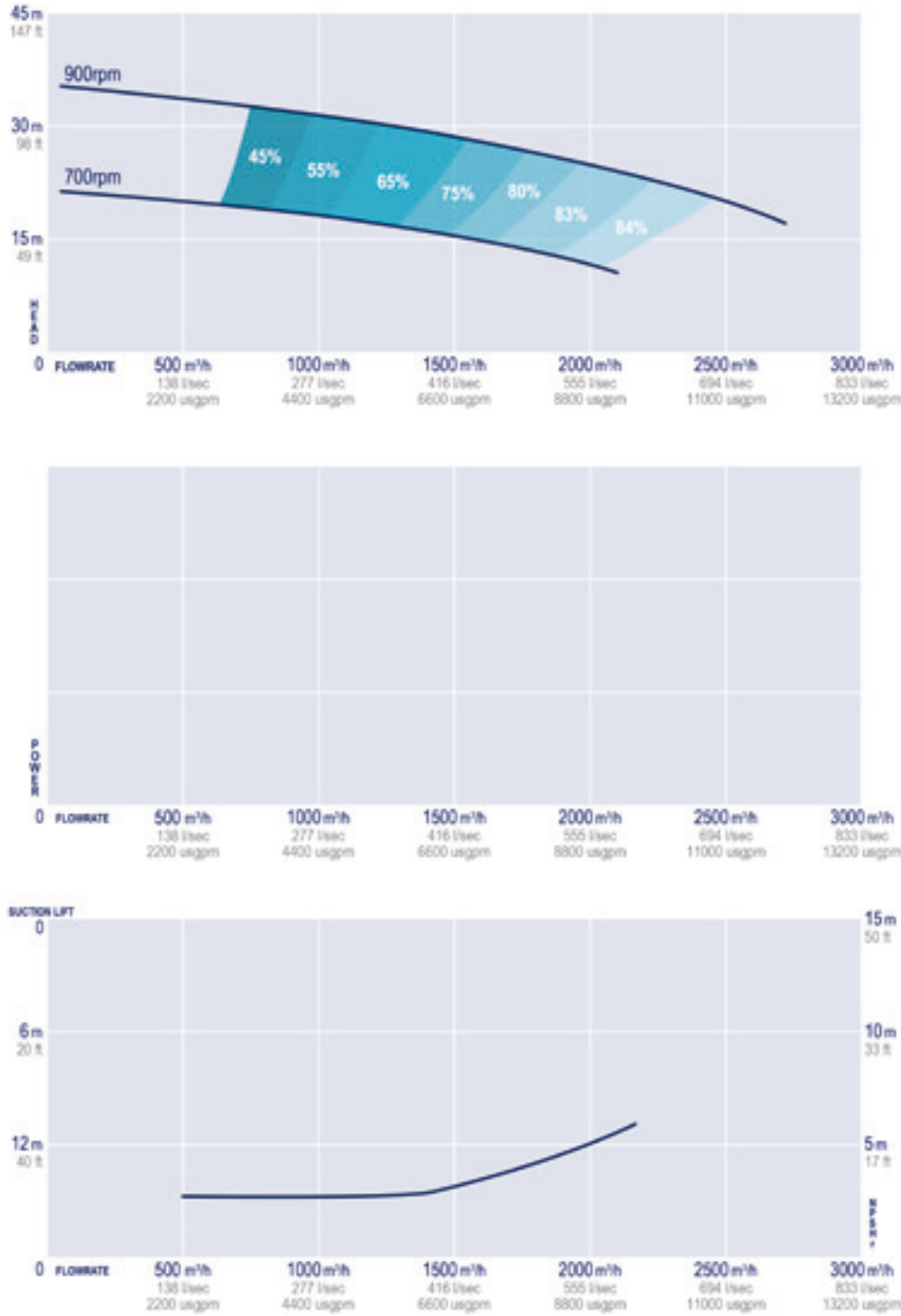
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