



**DXB**  
INTEGRATE

# SAND & SLURRY

**DXB** PUMP &  
POWER

AROUND YOUR WORLD®  
AROUND YOUR CLOCK,  
AROUND YOUR WORLD

# SS90/85



SLURRY



SAND & SLURRY

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
95 m <sup>3</sup> /hr 410 usgpm	88 mtrs 289'	2000 rpm	52%

## AT A GLANCE

Suction Size	80 mm	3"
Discharge Size	50 mm	2"
Solids Handling	13 mm (min)	0.50" (min)
Max Flow	110 m <sup>3</sup> /hr	485 usgpm
Max Head	110 mtrs	361'
Max Speed	2000 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	12 ltrs/hr	3.20 usgph
Rated Power @ BEP	43 kW	58 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

**22.30 HOURS**

To empty an Olympic Swimming Pool  
(2,500,000 litres) at Max Flow (110 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	CRP50MP381
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 Chrome Iron Slurry Impeller design, providing long life and optimal efficiency</p> <p><b>Size:</b> 381 mm (15.00")</p>
Volute	Heavy duty High Chrome 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



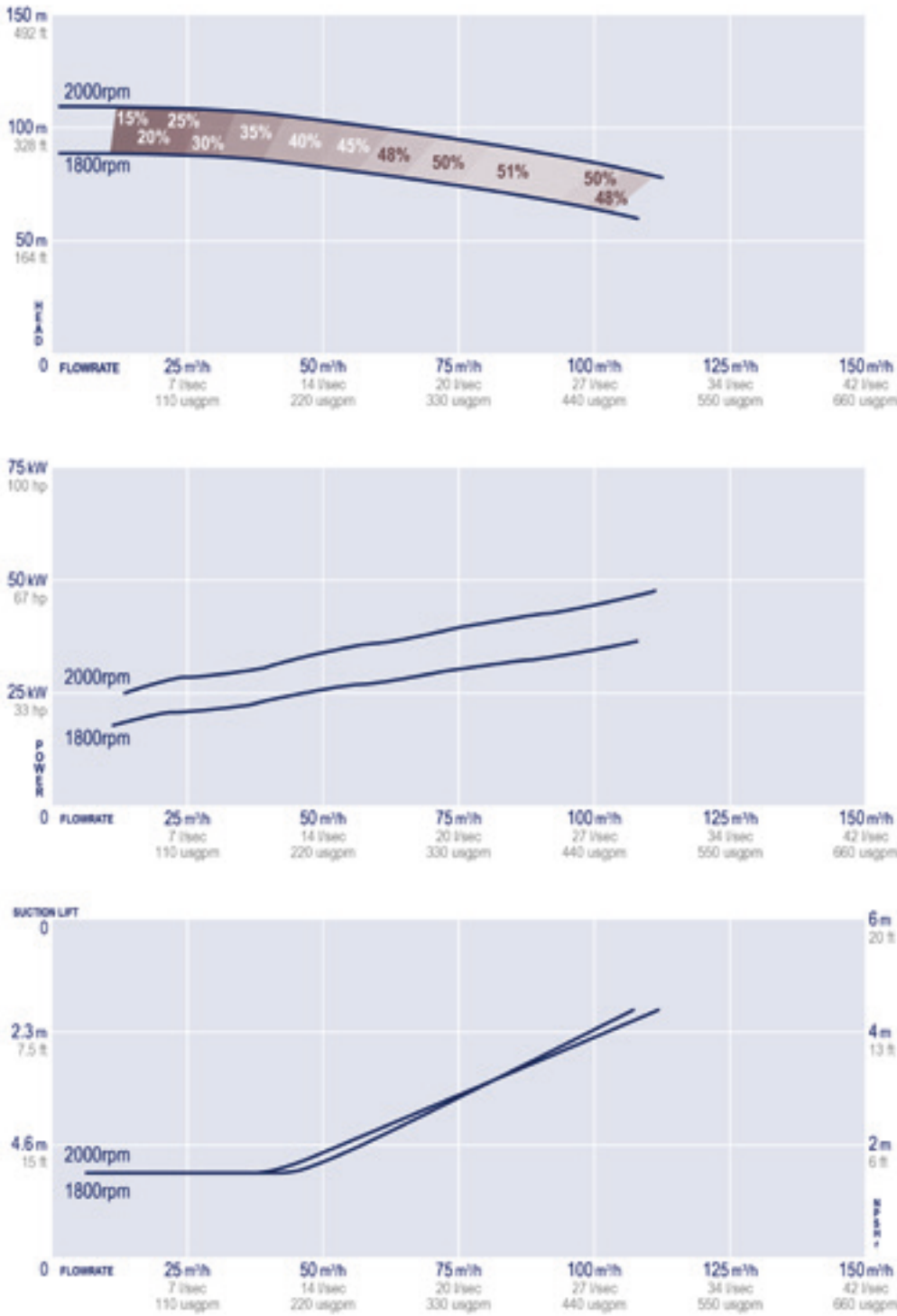
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SS90/85-0221

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WARRANTY & AFTERCARE

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REAL TIME ASSET CONTROL

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# SS130/150



SLURRY



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FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
130 m <sup>3</sup> /hr 572 usgpm	150 mtrs 492'	1800 rpm	54%

## AT A GLANCE

Suction Size	150 mm	6"
Discharge Size	80 mm	3"
Solids Handling	22 mm (min)	0.90" (min)
Max Flow	190 m <sup>3</sup> /hr	840 usgpm
Max Head	170 mtrs	558'
Max Speed	1800 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	30 ltrs/hr	7.90 usgph
Rated Power @ BEP	98 kW	131 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



## 13.15 HOURS

To empty an Olympic Swimming Pool  
(2,500,000 litres) at Max Flow (190 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	CRP80MP57
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 Chrome Iron Slurry Impeller design, providing long life &amp; optimal efficiency</p> <p><b>Size:</b> 557 mm (21.95")</p>
Volute	Heavy duty High Chrome 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



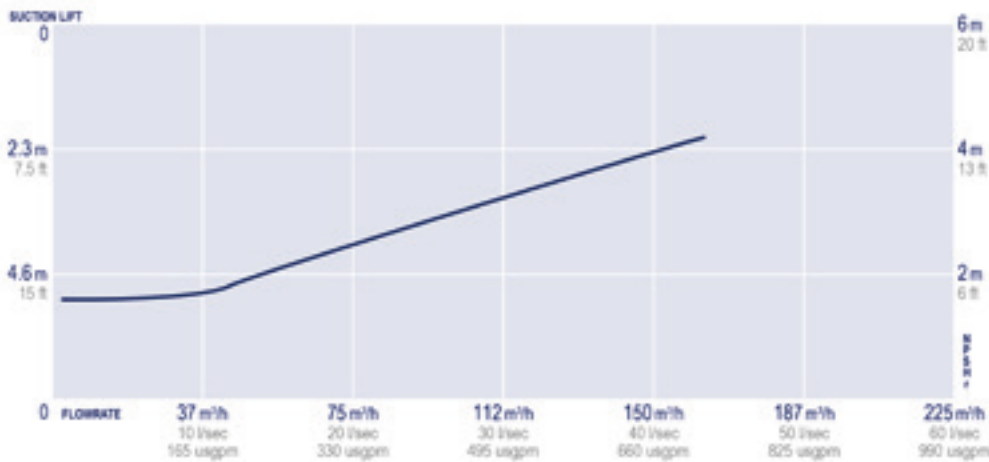
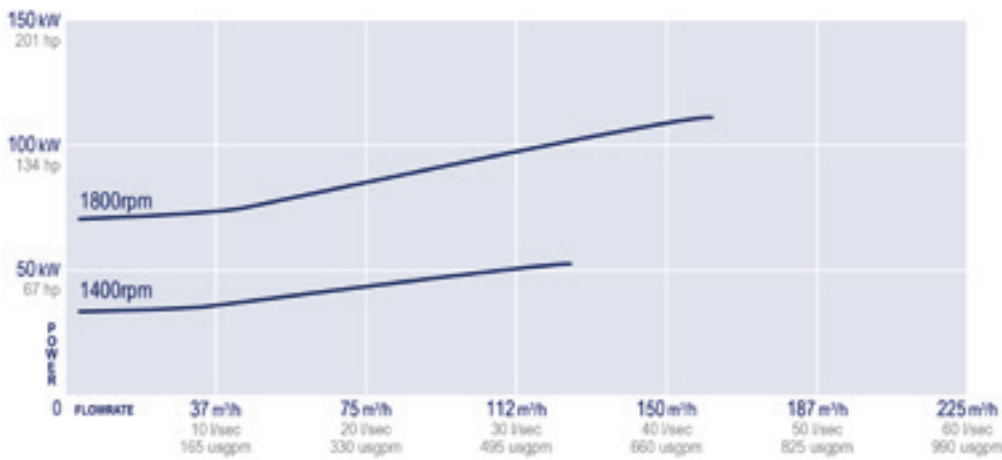
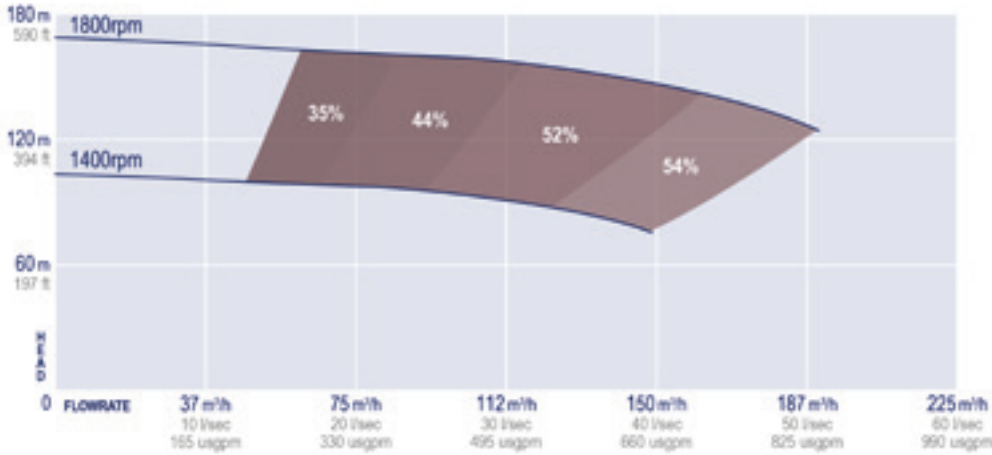
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SS130/150-0221

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# SS300/70 SLURRY



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FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
300 m <sup>3</sup> /hr 1320 usgpm	70 mtrs 230'	2200 rpm	64%

## AT A GLANCE

Suction Size	100 mm	4"
Discharge Size	75 mm	3"
Solids Handling	28 mm (min)	1.10" (min)
Max Flow	350 m <sup>3</sup> /hr	1540 usgpm
Max Head	84 mtrs	276'
Max Speed	2200 rpm	

## DIESEL ENGINE SPECIFICATION CHOOSE DIESEL


Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	27 ltrs/hr	7.15 usgph
Rated Power @ BEP	87 kW	117 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




## 7.25 HOURS

To empty an Olympic Swimming Pool  
(2,500,000 litres) at Max Flow (350 m<sup>3</sup>/hr)



<b>NET WEIGHT</b>	<b>L x W x H</b>
2350 kgs 5180 lbs	2.85 x 1.20 x 2.00 mtr 112 x 47 x 78"

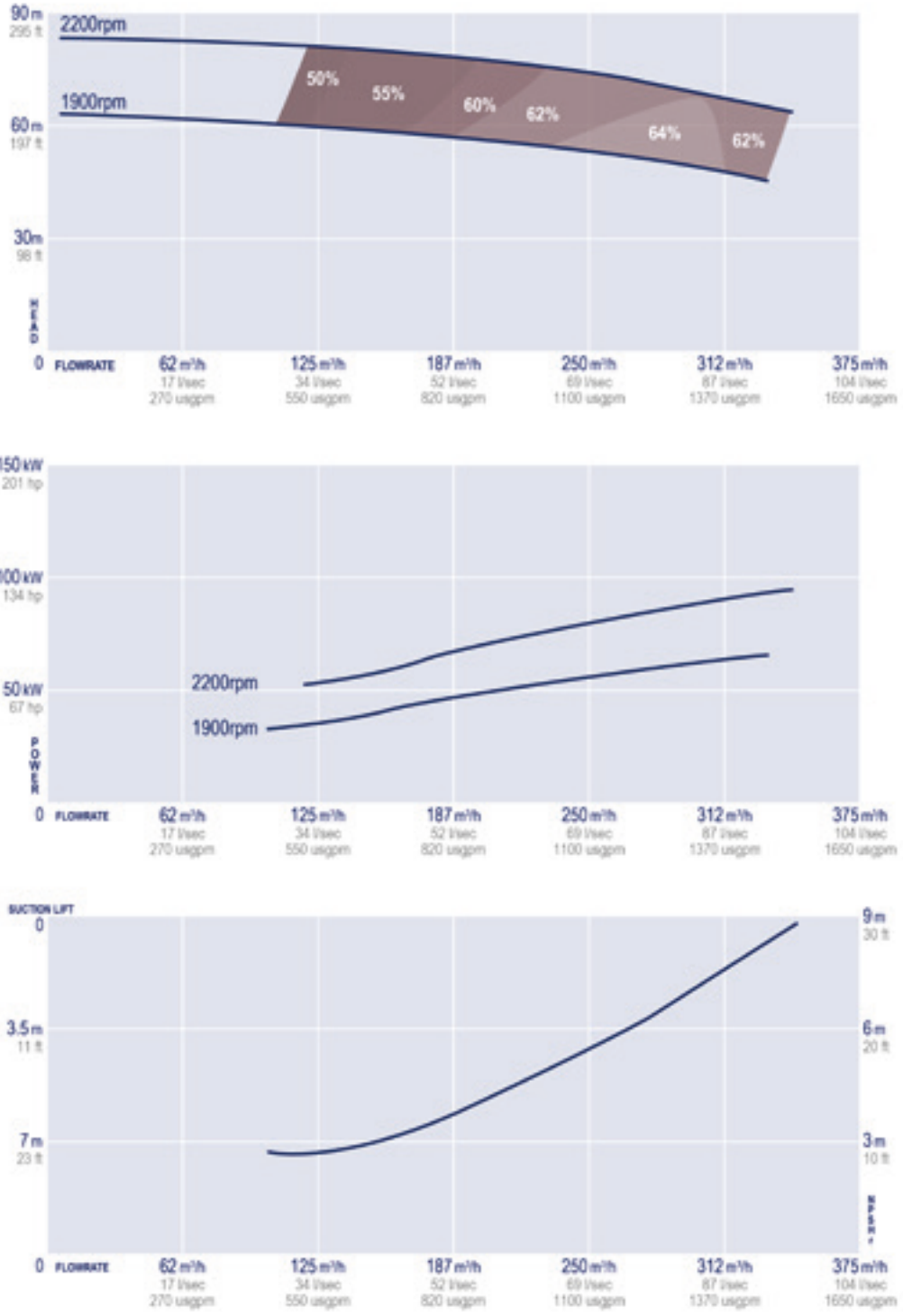
## PUMP SPECIFICATION

Model	CRP80SM305
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> Five Vane, Enclosed Chrome Iron Slurry Impeller design, providing long life &amp; optimal efficiency</p> <p><b>Size:</b> 305 mm (12.01")</p>
Volute	Heavy duty High Chrome 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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MARKETS



# SS300/100



SLURRY



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FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
300 m <sup>3</sup> /hr 1320 usgpm	100 mtrs 328'	1800 rpm	69%

AT A GLANCE		
Suction Size	125 mm	5"
Discharge Size	100 mm	4"
Solids Handling	76 mm (min)	3" (min)
Max Flow	360 m <sup>3</sup> /hr	1585 usgpm
Max Head	120 mtrs	394'
Max Speed	1800 rpm	

DIESEL ENGINE SPECIFICATION		CHOOSE DIESEL
Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	36 ltrs/hr	9.50 usgph
Rated Power @ BEP	122 kW	164 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

**6.95 HOURS**

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (360 m<sup>3</sup>/hr)



DXB4

NET WEIGHT	L x W x H
3750 kgs 8270 lbs	3.70 x 1.40 x 2.00 mtr 146 x 55 x 80"

PUMP SPECIFICATION	
Model	CRP100MP445
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 Chrome Iron Slurry Impeller design, providing long life &amp; optimal efficiency</p> <p><b>Size:</b> 445 mm (17.52")</p>
Volute	Heavy duty High Chrome 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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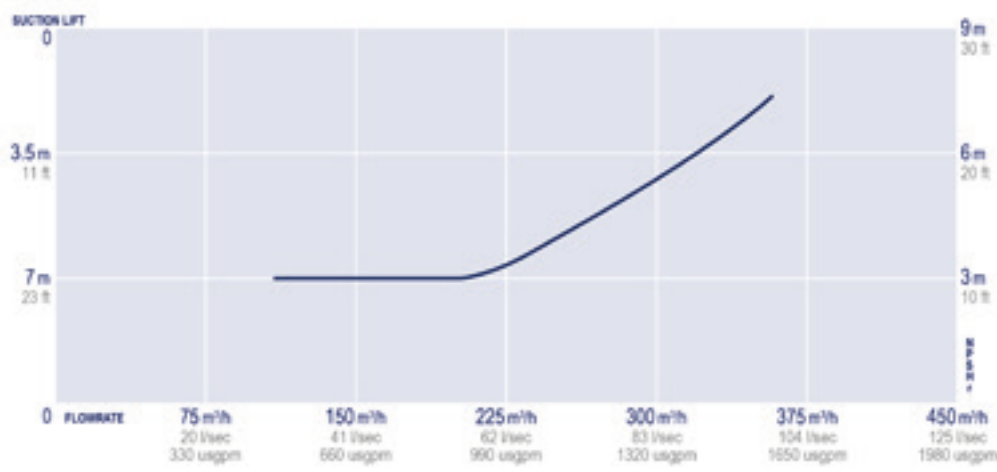
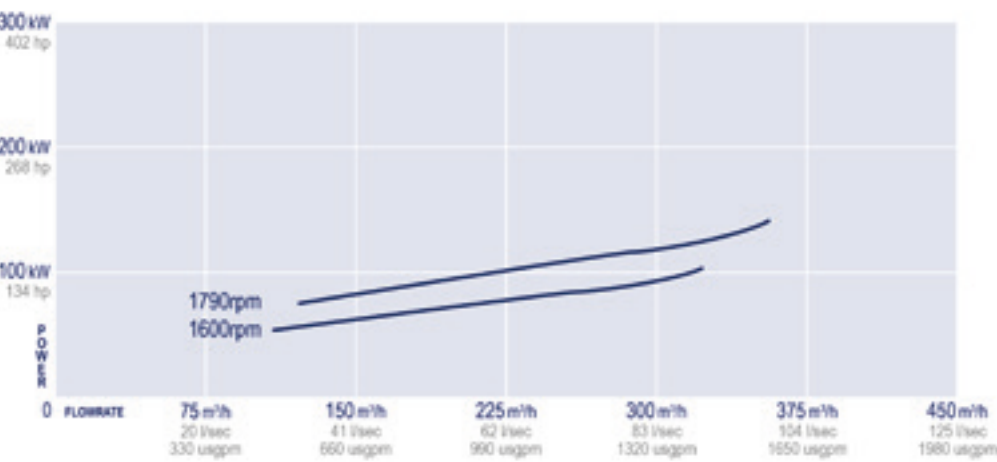
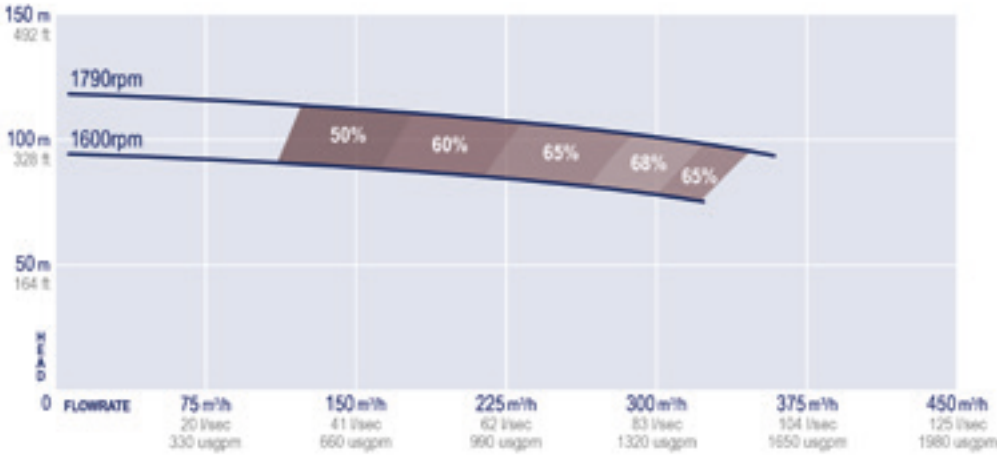
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MARKETS



# SS450/70



SLURRY



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FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
460 m <sup>3</sup> /hr 2010 usgpm	79 mtrs 259'	1800 rpm	67%

AT A GLANCE		
Suction Size	150 mm	6"
Discharge Size	100 mm	4"
Solids Handling	51 mm (min)	2" (min)
Max Flow	730 m <sup>3</sup> /hr	3200 usgpm
Max Head	96 mtrs	315'
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	147 kW	197 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	

## 3.50 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (730 m<sup>3</sup>/hr)



DXB6

NET WEIGHT	L x W x H
7000 kgs 15430 lbs	4.10 x 2.10 x 2.20 mtr 161 x 82 x 87"

PUMP SPECIFICATION	
Model	CRP100SM400
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> Six Vane, Enclosed Chrome Iron Slurry Impeller design, providing long life & optimal efficiency  <b>Size:</b> 400 mm (15.75")
Volute	Heavy duty High Chrome 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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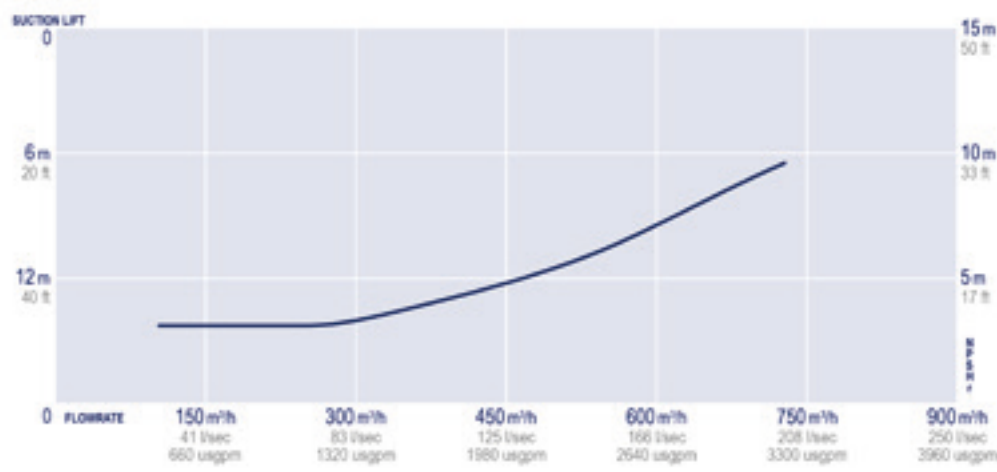
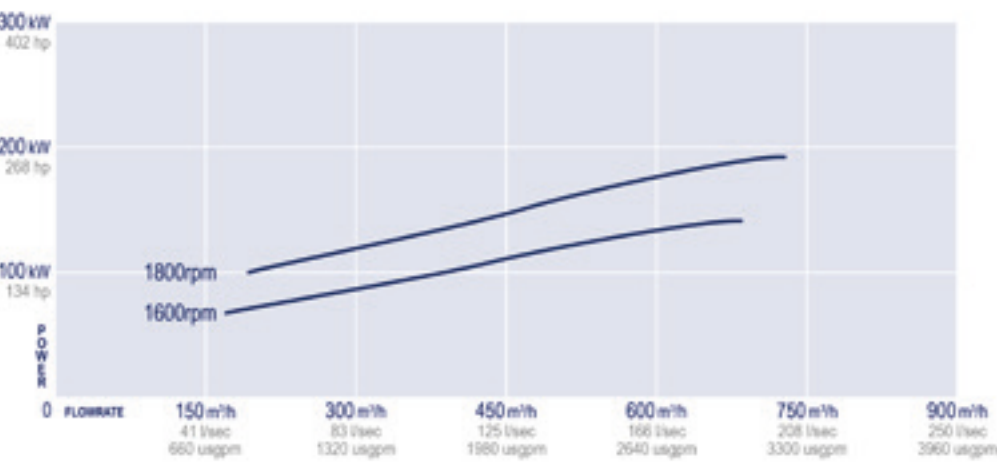
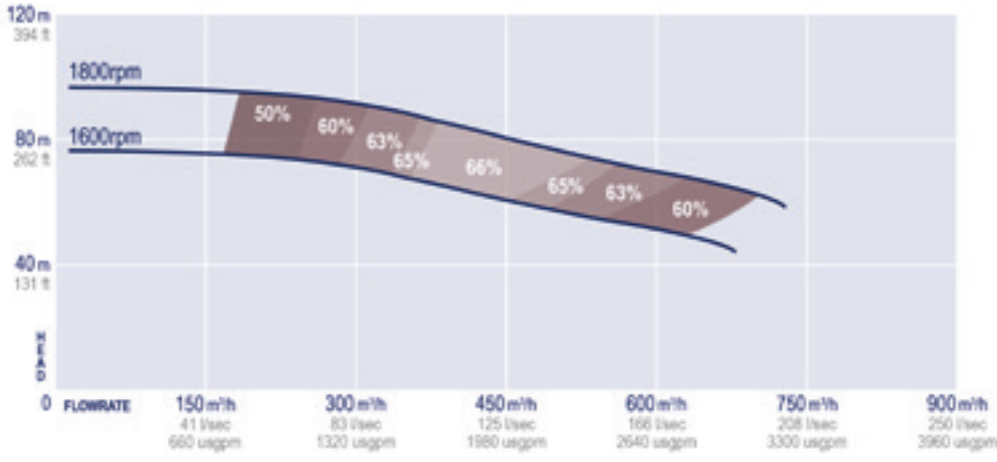
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MARKETS



# SS600/140



SLURRY



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FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
600 m <sup>3</sup> /hr 2460 usgpm	140 mtrs 459'	2000 rpm	77%

## AT A GLANCE

Suction Size	200 mm	8"
Discharge Size	150 mm	6"
Solids Handling	51 mm (min)	2" (min)
Max Flow	930 m <sup>3</sup> /hr	4100 usgpm
Max Head	180 mtrs	591'
Max Speed	2000 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	89 ltrs/hr	23.50 usgph
Rated Power @ BEP	341 kW	457 hp
Model	Scania DC16	
Emissions	EU Stage V	
Max Power	400 kW	536 hp

## ELECTRIC MOTOR SPECIFICATION

### CHOOSE ELECTRIC

Model	WEG / ABB 415V 3 phase 50Hz	
Standard	IEC3	
Rated Power	450 kW	603 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

**2.70 HOURS**

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (930 m<sup>3</sup>/hr)



DXB7

## NET WEIGHT

7000 kgs  
15430 lbs

## L x W x H

5.00 x 2.15 x 2.25 mtr  
197 x 85 x 89"

## PUMP SPECIFICATION

Model	CRP150MPC495
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 Chrome Iron Slurry Impeller design, providing long life &amp; optimal efficiency</p> <p><b>Size:</b> 495 mm (19.49")</p>
Volute	Heavy duty High Chrome 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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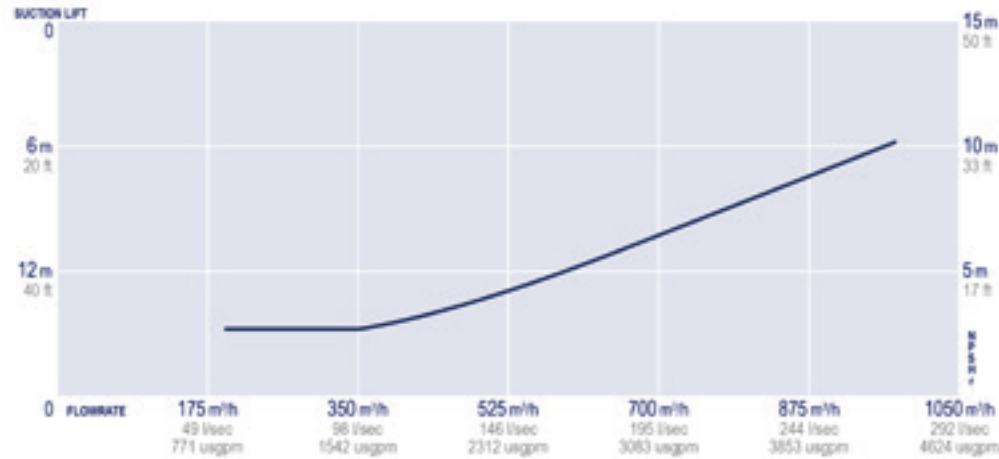
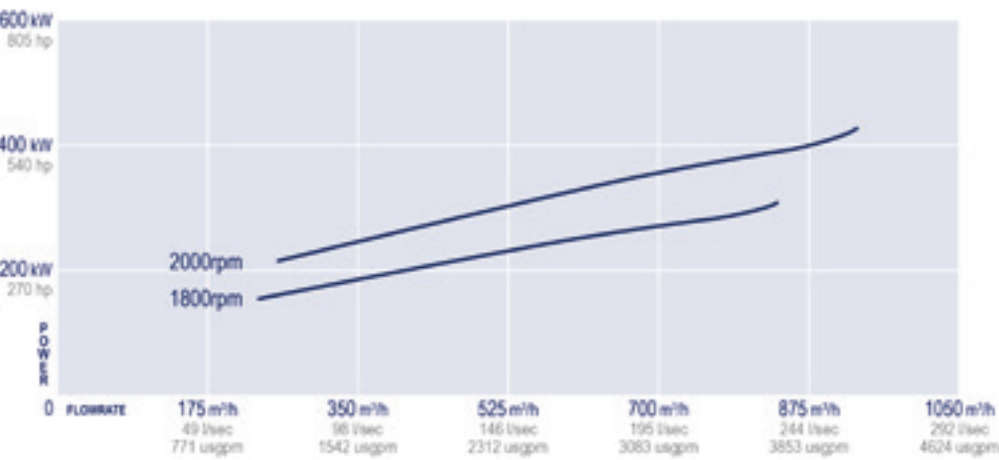
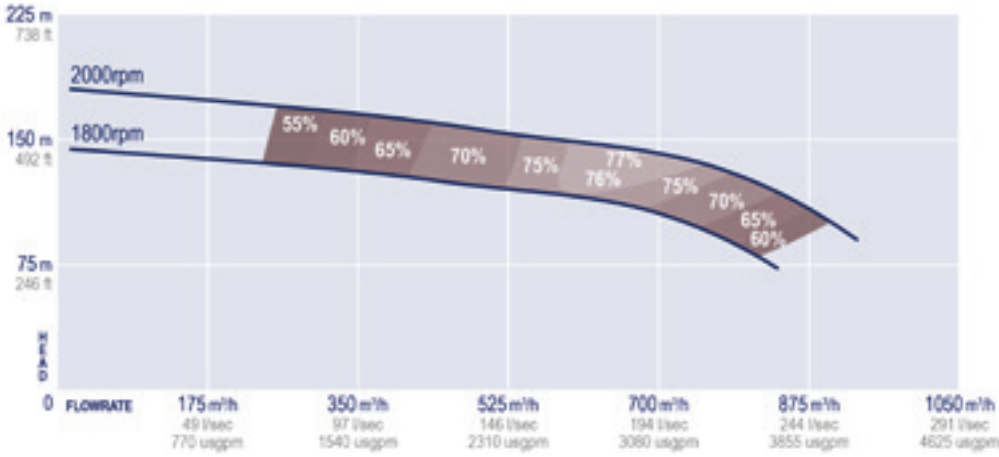
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# SS800/70 SLURRY



FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
970 m <sup>3</sup> /hr 4260 usgpm	70 mtrs 230'	1800 rpm	80%



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## AT A GLANCE

Suction Size	250 mm	10"
Discharge Size	150 mm	6"
Solids Handling	86 mm (min)	3.40" (min)
Max Flow	970 m <sup>3</sup> /hr	4270 usgpm
Max Head	112 mtrs	367'
Max Speed	1800 rpm	

## DIESEL ENGINE SPECIFICATION

### CHOOSE DIESEL

Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	57 ltrs/hr	15.00 usgph
Rated Power @ BEP	188 kW	252 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

 **2.60 HOURS**

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (970 m<sup>3</sup>/hr)


## 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	CRP150MP445
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 Chrome Iron Slurry Impeller design, providing long life &amp; optimal efficiency</p> <p><b>Size:</b> 445 mm (18.00")</p>
Volute	Heavy duty High Chrome 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



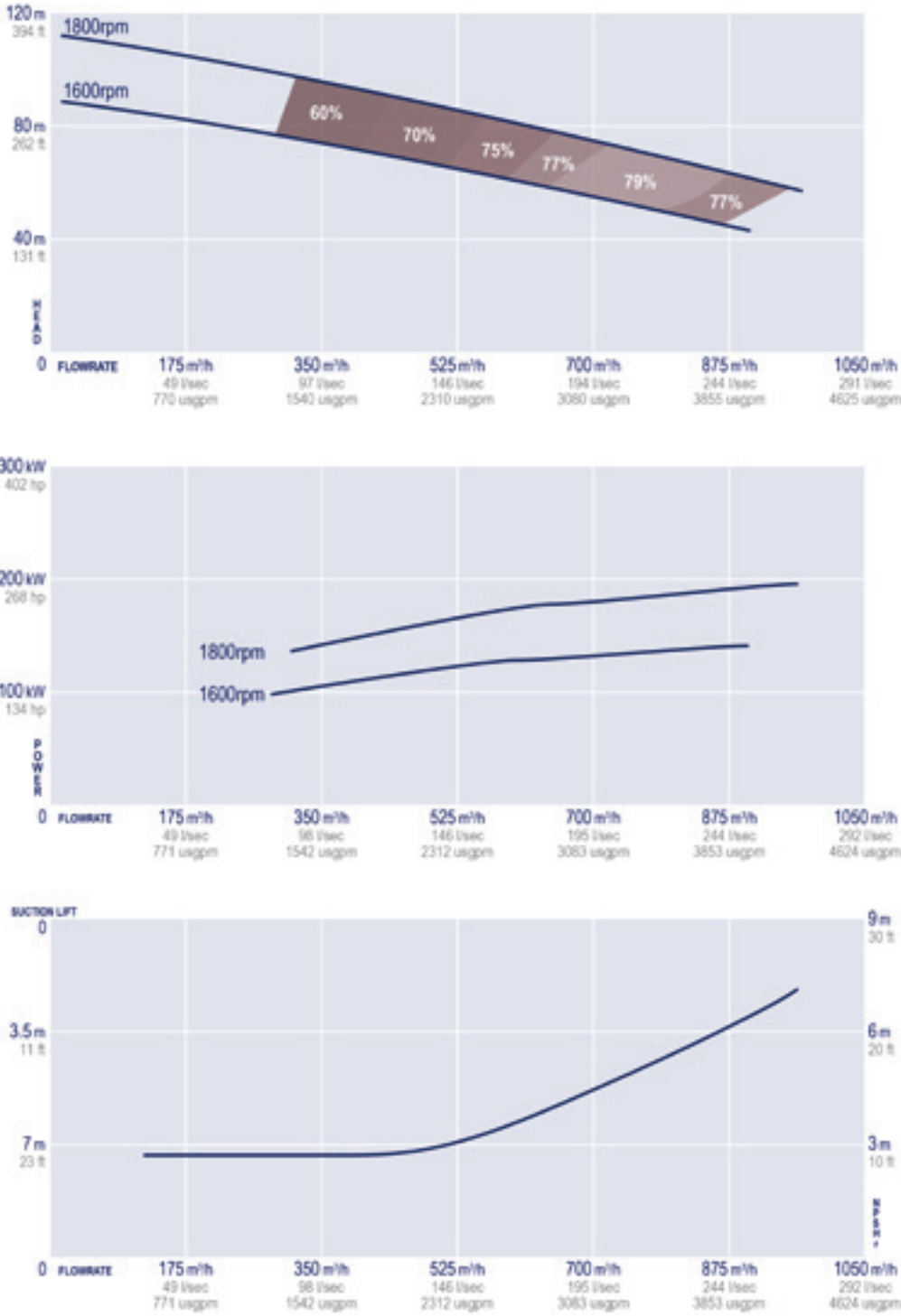
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