

# MASIEWA



AND YOUR CHIEF AND A CHIEF

# WW250/15 WARRIOR CUTTER





FLOW	HEAD	SPEED	EFFICIENCY
@ BEP	@ BEP	@ BEP	@ BEP
249 m³/hr 1096 usgpm	16 mtrs 52 '	1600 rpm	

AT A GLANCE		
Suction Size	150 mm	6 "
Discharge Size	150 mm	6 "
Solids Handling	76 mm (min)	3 " (min)
Max Flow	337 m³/hr	1484 usgpm
Max Head	25 mtrs	82'
Max Speed	1600	) rpm

DIESEL ENGINE SPECIFICATION		CHOOSE DIESEL
Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	5 ltrs/hr	1.32 usgph
Rated Power @ BEP	15 kW	20 hp
Model	Deutz	z D2.2
Emissions	Stag	ge V
Max Power	18 kW	24 hp

ELECTRIC MOTOR SPECIFICATION CHOOSE ELECTRIC		
Model WEG / ABB 415V 3 phase 50H		
IE	C3	
18.5 kW	25 hp	
TEFC		
1500 rpm		
180 M		
	WEG / ABB 415 IE 18.5 kW TE 1500	

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



To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (337 m³/hr) DXB3

**NET WEIGHT** 1380 kgs 3050 lbs

 $L \times W \times H$ 2.10 × 0.95 × 1.75 mtr 82 × 37 × 68 "

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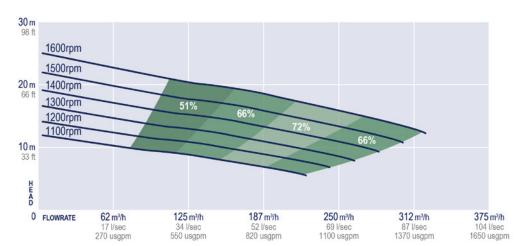
Model	CRP150W256	
	Type: Cornell liquid tolerant diaphragm vacuum pump CORNELL	
	Air Removal Capability: 50 cfm	
Priming System	<b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover	
	<b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper	
	Run Dry: Indefinite capability	
Impeller	Type: Two Vane, WasteWarrior unique cutting impeller design for ragging conditions	
	<b>Size:</b> 256 mm (10.08 ")	
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	

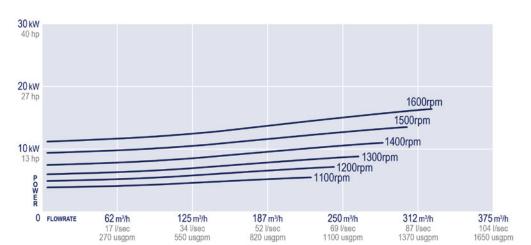


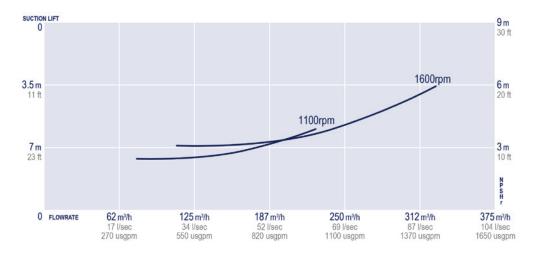












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#### **WORLD CLASS ECO-FRIENDLY PRODUCTS**

Like you, we care about the environment, which is why our efficient pumpsets use stage 5 emission compliant engines as standard.



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#### **REAL TIME ASSET CONTROL**

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# WW250/25 WARRIOR CUTTER





FLOW	HEAD	SPEED	EFFICIENCY
@ BEP	@ BEP	@ BEP	@ BEP
274 m³/hr 1206 usgpm	24 mtrs 79 '	1800 rpm	73%

AT A GLANCE		
Suction Size	150 mm	6 "
Discharge Size	150 mm	6 "
Solids Handling	76 mm (min)	3 " (min)
Max Flow	439 m³/hr	1933 usgpm
Max Head	36 mtrs	118 '
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	24 kW	32 hp
Model	Deutz	TD2.9
Emissions	Stag	ge V
Max Power	36 kW	48 hp

ELECTRIC MOTOR SPECIFICATION CHOOSE ELECTRIC		
Model	Model WEG / ABB 415V 3 phase 50Hz	
Standard	IEC3	
Rated Power	36 kW	48 hp
Enclosure	TEFC	
Nominal Speed	1800 rpm	
Frame	200 L	

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



To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (439 m³/hr) DXB3

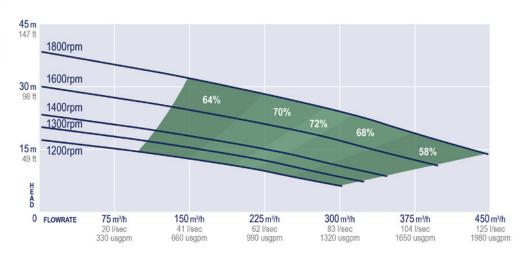
1380 kgs 3050 lbs		2.10 × 0.95 × 1.75 mtr 82 × 37 × 68 "
PUMP SPECI	FICATION	
Model	CRP150NNW256	

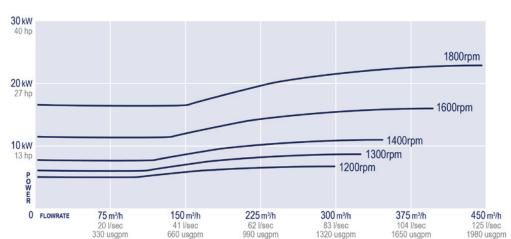
Model	CRP150NNW256		
	Type: Cornell liquid tolerant diaphragm vacuum pump CORNELL		
	Air Removal Capability: 50 cfm		
Priming System	<b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover		
	<b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper		
	Run Dry: Indefinite capability		
Impeller	Type: Two Vane, WasteWarrior unique cutting impeller design for ragging conditions  WASTE WARRIOR		
	<b>Size:</b> 256 mm (10.08 ")		
Volute	Heavy duty GG30 Gray Iron with 125# flanges		
Mechanical Seal	Tungsten Carbide v Silicon Carbide		
Bearing & Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft			

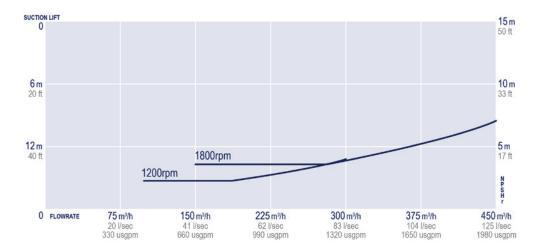












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### WW300/50





FLOW	HEAD	SPEED	EFFICIENCY
@ BEP	@ BEP	@ BEP	@ BEP
365 m³/hr 1607 usgpm	48 mtrs 157 '	1800 rpm	

AT A GLANCE			
Suction Size	150 mm	6 "	
Discharge Size	150 mm	6 "	
Solids Handling	76 mm	3 "	
Max Flow	428 m <sup>3</sup> /hr	1884 usgpm	
Max Head	68 mtrs	223 '	
Max Speed	1800 rpm		

DIESEL ENGINE SPECIFICATION		CHOOSE DIESEL
Fuel Tank Size	450 Itrs	119 usg
Fuel Burn/hr @ BEP	20 ltrs/hr	5.28 usgph
Rated Power @ BEP	65 kW	87 hp
Model	Deutz 1	TCD 2.9
Emissions	EU Stage V	
Max Power	55 kW	74 hp

ELECTRIC MOTOR SPECIFICATION		CHOOSE ELECTRIC	
Model	WEG / ABB 415	415V 3 phase 50Hz	
Standard	IE	C3	
Rated Power	55 kW	74 hp	
Enclosure	TE	FC	
Nominal Speed	1800 rpm		
Frame	250 M		

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



To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (428 m³/hr) DXB3

**NET WEIGHT** 2350 kgs 5180 lbs

 $L \times W \times H$ 2.85 × 1.20 × 2.00 mtr 112 × 47 × 78 '

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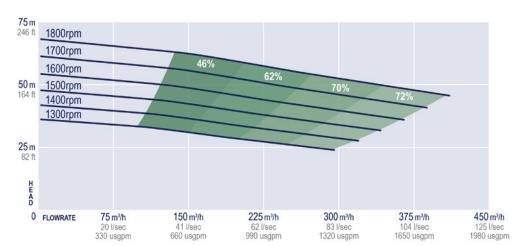
Model	CRP150NNW356		
	Type: Cornell liquid tolerant diaphragm vacuum pump		
	Air Removal Capability: 50 cfm		
Priming System	<b>Priming Chamber:</b> Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover		
	<b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper		
	Run Dry: Indefinite capability		
Impeller	Type: Two Vane, WasteWarrior unique cutting impeller design for ragging conditions		
	<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		

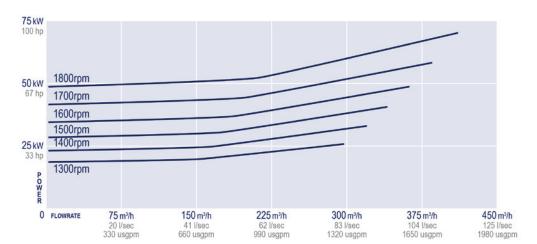


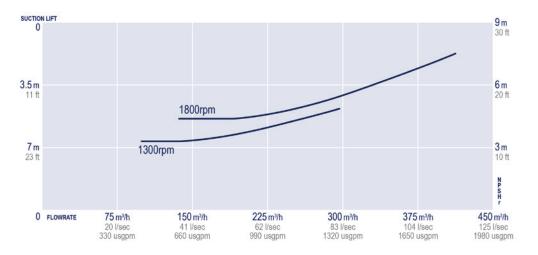












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### WW450/25





FLOW	HEAD	SPEED	EFFICIENCY
@ BEP	@ BEP	@ BEP	@ BEP
443 m³/hr 1950 usgpm	25 mtrs 82 '	1800 rpm	

AT A GLANCE			
Suction Size	200 mm	8 "	
Discharge Size	200 mm	8 "	
Solids Handling	86 mm	3.40 "	
Max Flow	597 m³/hr	2629 usgpm	
Max Head	34 mtrs	111 '	
Max Speed	1800 rpm		

DIESEL ENGINE SPECIFICATION		CHOOSE DIESEL
Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	13 ltrs/hr	3.43 usgph
Rated Power @ BEP	41 kW	56 hp
Model	Deutz	TD2.9
Emissions	EU Stage V	
Max Power	55 kW	74 hp

ELECTRIC MOTOR SPECIFICATION		
WEG / ABB 415V 3 phase 60Hz		
IEC3		
55 kW	74 hp	
TEFC		
1800 rpm		
250 S		
	WEG / ABB 415 IE 55 kW TE 1800	

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



To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (597 m³/hr) DXB3

**NET WEIGHT** 2350 kgs 5180 lbs

 $L \times W \times H$ 2.85 × 1.20 × 2.00 mtr 112 × 47 × 79 '

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Model	CRP200NNW280	
	Type: Cornell liquid tolerant diaphragm vacuum pump	
	Air Removal Capability: 50 cfm	
Priming System	<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	
	Run Dry: Indefinite capability	
Impeller	Type: Two Vane, WasteWarrior unique cutting impeller design for ragging conditions  WASTE WARRIOR	
	<b>Size:</b> 280 mm (11.02 ")	
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	

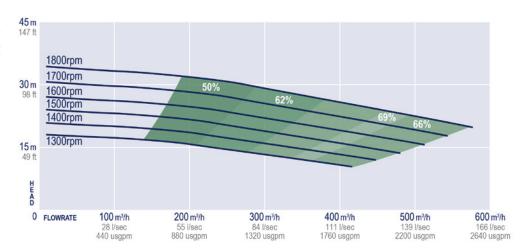


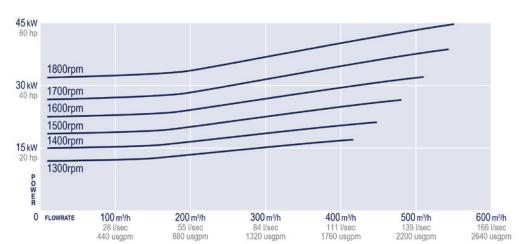


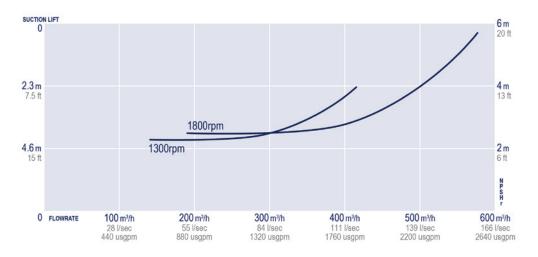












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### WW500/65 WARRIOR CUTTER





FLOW	HEAD	SPEED	EFFICIENCY
@ BEP	@ BEP	@ BEP	@ BEP
634 m³/hr 2791 usgpm	61 mtrs 200 '	1800 rpm	

AT A GLANCE		
Suction Size	200 mm	8 "
Discharge Size	200 mm	8 "
Solids Handling	76 mm	3.00 "
Max Flow	683 m³/hr	3000 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	11.62 usgph
Rated Power @ BEP	146 kW	196 hp
Model	DEUTZ 1	CD6.1L4
Emissions	EU Stage V	
Max Power	180 kW	240 hp

ELECTRIC MOTOR SPECIFICATION		
WEG / ABB 415V 3 phase 60Hz		
IEC3		
185 kW	248 hp	
TEFC		
1800 rpm		
315		
	WEG / ABB 415 IE 185 kW TE 1800	

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



To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (683 m³/hr) DXB4

**NET WEIGHT** 3750 kgs 8270 lbs

 $L \times W \times H$ 3.70 × 1.40 × 2.00 mtr 146 × 55 × 80 '

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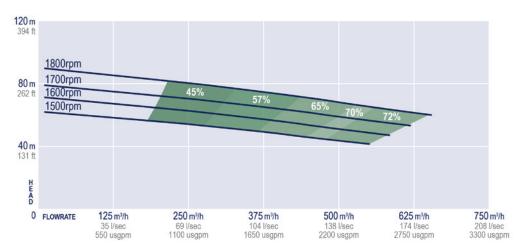
CRP150NHWB409	
Type: Cornell liquid tolerant diaphragm vacuum pump	
Air Removal Capability: 50 cfm	
Priming Chamber: Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover	
<b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper	
Run Dry: Indefinite capability	
Type: Two Vane, WasteWarrior unique cutting impeller design for ragging conditions	
<b>Size:</b> 409 mm (16.12 ")	
Heavy duty GG30 Gray Iron with 125# flanges	
Tungsten Carbide v Silicon Carbide	
Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft	

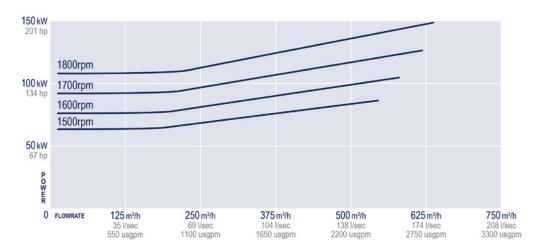


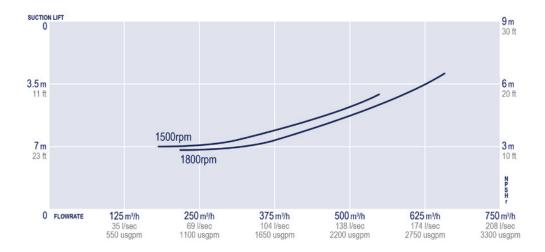












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### WW600/70 WARRIOR CUTTER





FLOW	HEAD	SPEED	EFFICIENCY
@ BEP	@ BEP	@ BEP	@ BEP
662 m³/hr 2915 usgpm	67 mtrs 220 '	1700 rpm	

AT A GLANCE		
Suction Size	200 mm	8 "
Discharge Size	200 mm	8 "
Solids Handling	76 mm	3 "
Max Flow	709 m³/hr	3122 usgpm
Max Head	99 mtrs	325 '
Max Speed	1800 rpm	

DIESEL ENGINE SPECIFICATION		CHOOSE DIESEL
Fuel Tank Size	450 ltrs	119 usg
Fuel Burn/hr @ BEP	50 ltrs/hr	13.20 usgph
Rated Power @ BEP	167 kW	224 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 60Hz		
Standard	IEC3		
Rated Power	185 kW	248 hp	
Enclosure	TEFC		
Nominal Speed	1800 rpm		
Frame	315 L		

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



(2,500,000 litres) at Max Flow (709 m³/hr)

To empty an Olympic Swimming Pool

DXB4

**NET WEIGHT** 3750 kgs 8265 lbs

 $L \times W \times H$ 3.70 × 1.40 × 2.05 mtr 146 × 55 × 80 '

#### **PUMP SPECIFICATION**

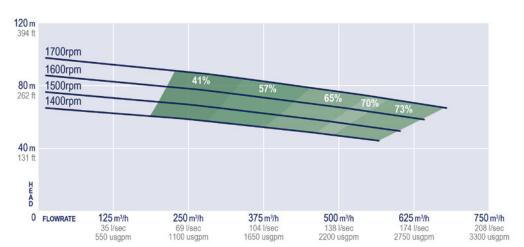
CRP150NHWB445	
Type: Cornell liquid tolerant diaphragm vacuum pump	
Air Removal Capability: 50 cfm	
Priming Chamber: Cornell optimised priming chamber design and valve linkage for maximum reliability and zero carryover	
<b>Discharge Check Valve:</b> Patented Cornell Non return valve with optional 90 degree discharge and heavy duty flapper	
Run Dry: Indefinite capability	
Type: Two Vane, WasteWarrior unique cutting impeller design for ragging conditions	
<b>Size:</b> 418 mm (16.50 ")	
Heavy duty GG30 Gray Iron with 125# flanges	
Tungsten Carbide v Silicon Carbide	
Heavy-duty bearing housing with dual angular contact bearings on drive end and heavy duty shaft	

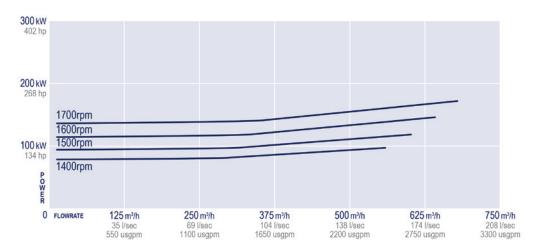


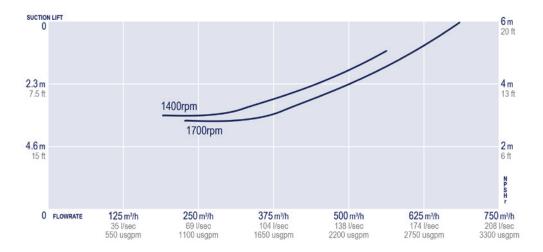












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### WW630/40 To





FLOW	HEAD	SPEED	EFFICIENCY
@ BEP	@ BEP	@ BEP	@ BEP
627 m³/hr 760 usgpm	41.6 mtrs 136 '	1780 rpm	

AT A GLANCE		
Suction Size	200 mm	8 "
Discharge Size	200 mm	8 "
Solids Handling	86 mm (min)	3.40 " (min)
Max Flow	795 m³/hr	3500 usgpm
Max Head	61 mtrs	200 '
Max Speed	1800 rpm	

DIESEL ENGINE SPECIFICATION		CHOOSE DIESEL
Fuel Tank Size	450 Itrs	119 usg
Fuel Burn/hr @ BEP	29 ltrs/hr	7.66 usgph
Rated Power @ BEP	91 kW	122 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 60Hz		
Standard	IEC3		
Rated Power	110 kW	148 hp	
Enclosure	TEFC		
Nominal Speed	1800 rpm		
Frame	280 M		

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



To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (795 m3/hr) DXB3

**NET WEIGHT** 2350 kgs 5180 lbs

 $L \times W \times H$ 2.85 × 1.20 × 2.00 mtr 112 × 47 × 78 '

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Model	CRP200NNW355	
	Type: Cornell liquid tolerant diaphragm vacuum pump	
	Air Removal Capability: 50 cfm	
Priming System	Priming Chamber: 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	
	Run Dry: Indefinite capability	
Impeller	Type: Two Vane, WasteWarrior unique cutting impeller design for ragging conditions	
	<b>Size:</b> 355 mm (14.00 ")	
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	

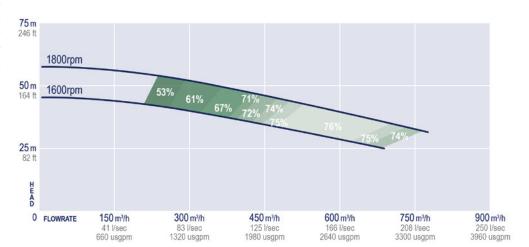


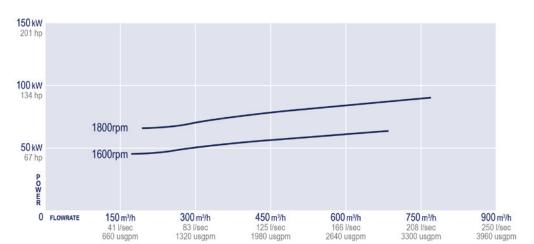


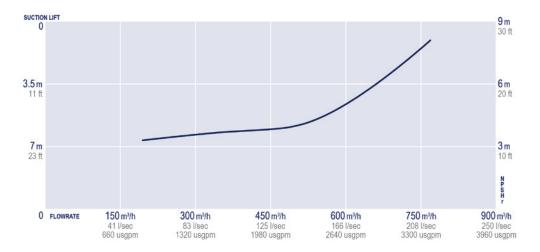












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