

DXB

PUMP & POWER

PUMP HANDBOOK



AROUND YOUR CLOCK



AROUND YOUR WORLD®



THE PUMP EXPERTS

UTILISE OVER 25 YEARS OF EXPERTISE

FOR OVER 25 YEARS THE OWNERS OF DXB PUMP & POWER HAVE DESIGNED AND BUILT HIGH EFFICIENCY, LOW-COST OF OWNERSHIP PUMPSETS FOR USE IN VARIOUS INDUSTRIES & APPLICATIONS.

AROUND YOUR CLOCK,
AROUND YOUR WORLD®



AROUND YOUR CLOCK, AROUND YOUR WORLD®

Anywhere, Anytime... DXB specialise in designing bespoke solutions for your fluid handling requirements.



WORLD CLASS ECO-FRIENDLY PRODUCTS

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



REAL TIME ASSET CONTROL

Downtime isn't an option. All our pumpsets can be remotely monitored for ultimate asset control and performance.



WARRANTY & AFTERCARE

Our aftermarket team are here to support your business for the life of the pumpset. All products come with a market leading warranty period for the absolute peace of mind.



YOUR TRUSTED PARTNER

Simply put, our customers support us and we support them. We're partners! That is why we don't walk away once the pumpset is delivered. We are, as we say "Around your clock, Around your world®"

CONTENTS

ABOUT DXB P2-3
 ENVIRONMENT P5
 TECHNOLOGY P6-7
 PUMP SYSTEMS P8-9
 PUMP TYPES P10-13
 PUMPSET FEATURES P14-15
 MARKETS WE OPERATE P17
 FIND YOUR PUMP P18-19
 PUMP DESIGN P20-21
 PUMPSET REFURBISH P22
 PUMP RENTAL P24-25

WASTEWATER RANGE P26-37

DEWATERING RANGE P38-61

SAND & SLURRY RANGE P62-73

GENERAL INDUSTRY RANGE P74-93

SPECIALIST RANGE P94-111

SERVICE & MAINTENANCE P112
 PUMP ACCESSORIES P113
 DXB RESOURCES P114-119

THE ECO SIDE

THE PUMPS THAT RESET
 THE ENVIRONMENTAL
 STANDARD & PUMPING
 PERFORMANCE

GLOBALLY THERE IS A HUGE FOCUS ON CLIMATE CHANGE. A KEY ELEMENT OF THIS FOCUS IS EMISSIONS REDUCTION.

One of the cornerstones of our sustainability strategy is utilizing the very latest Stage V compliant engines from Deutz, Scania and CAT. This very latest technology combined with the most efficient pump-end selection enables DXB Pump & Power to offer a solution that is the most efficient and cleanest in the market.

We believe that this focus will enable our customers to meet their own emission reduction targets without compromising performance.

 **REDUCED**
 FUEL CONSUMPTION
REDUCED
 OPERATING COSTS
REDUCED
 POLLUTION & NOISE



Exceeds
NRMM
 Standards

THE BRAINY SIDE



INTELLIGENT PUMPS ARE THE FUTURE AND THESE PREMIUM CONTROL PANELS ARE THE BRAINS BEHIND GREAT PERFORMANCE.

Standard features of the panel include a large colour display screen with soft touch keys and easy to use alternating screens with simple relevant options based on the screen in use.

For the ultimate pro-active management, the control panel includes a telemetry unit, as standard, which gives the remote user and also DXB the ability to see everything the engine ECU and pump end sensors see, via a desktop or smart phone app. The system can be configured to alert the user to any issues and general status of the pumpset, which along with DXB, gives the ability to help the user troubleshoot remotely and plan the required maintenance ensuring minimal down time is maintained.

THE PUMPS WITH A SUPER INTELLIGENT CONTROL PANEL



STANDARD FEATURES:

- Telemetry, including "Geofencing" capabilities
- Large colour display screen
- Soft touch keys and easy to use alternating screens with simple relevant options based on the screen in use
- Error codes and fault finding

GEOFENCING CAPABILITIES



ENGINE SCREEN HIGHLIGHTS:

- Engine RPM
- Engine temperatures: oil, fuel, ECU and coolant
- Engine fluid levels: fuel, Adblue, coolant, oil etc.
- Exhaust after-treatment data (DPF status and DEF levels)
- Engine service data (countdown to service due)
- After-treatment regeneration status
- Engine faults via SPN's (Suspect Parameter Numbers) and FMI's (Failure Mode Indicators) – an industry standard
- Engine power and fuel consumption
- Full engine diagnostics capabilities, either locally through a laptop or remotely via telemetry

PUMP END SCREEN HIGHLIGHTS:

- Pump end discharge pressure and suction pressure
- Ability to power a flow meter to monitor the volume of water pumped
- Pictogram showing what is happening within the pump (suction and discharge pressures)
- Ability to Auto-start / stop the pumpset using floats, allowing the pump to automatically:
 - Maintain volume of water being pumped into a tank or well
 - Maintain the volume of water being pumped out of a tank or well
 - Empty a tank or well
 - Fill a tank or well



PUMP SYSTEMS

INCLUDED AS STANDARD

CYCLOSEAL® SEALING SYSTEM

Cycloseal® isn't just a seal, but rather a sealing system. Designed by Cornell engineers in the 1990's, and refined over the years, the elegance of the system is that it utilizes a traditional Type I or II Mechanical Seal in such a way that the Cycloseal® system provides much longer life than the seal would normally experience.

Through a pressure gradient, the Cycloseal® system pulls grit and material away from the seal face, leaving it in an environment with fewer particulates than a standard seal.

DISHED BACKPLATE

While most pump manufacturers, believing the smaller the space means that less grit and material can attack the seal, in Cycloseal® the area behind the seal is comparatively large. This gives the dirty water enough area to cyclone debris away from the seal.

BACKPLATE DEFLECTOR VANES

In solids handling applications the impeller back vanes work in conjunction with the stationary deflector vanes to redirect particles back into the pumpage stream and away from the seal face. In clear liquid pumps the balance line serves a similar function by reducing pressure and improving hydraulic efficiency which increases the life of mechanical seals and bearings, and providing positive control of axial forces.

QUALITY MECHANICAL SEAL

The seal is replaceable with a quality Type I or II mechanical seal.

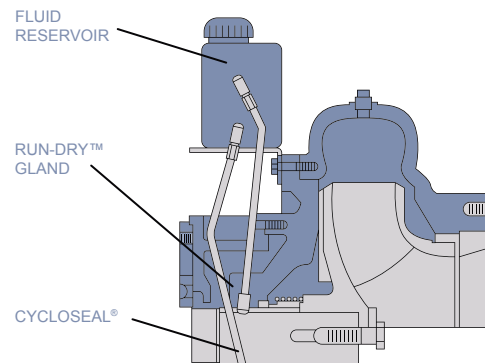
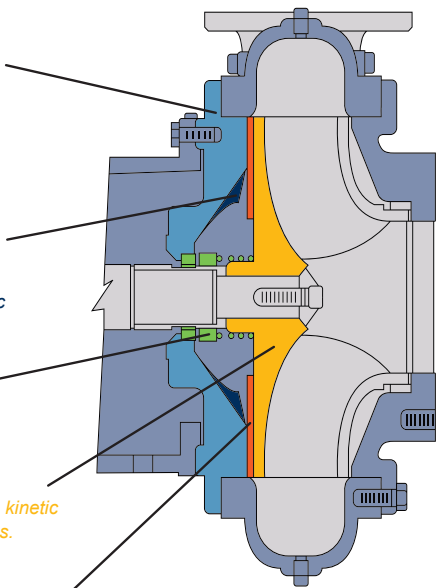
SPECIFICALLY CALIBRATED IMPELLER

Balances to precise tolerances, Cornell impellers provide the kinetic energy needed to whisk away the particulates from seal faces.

IMPELLER BACK VANES

In solids handling applications the impeller back vanes work in conjunction with the stationary deflector vanes to redirect particles back into the pumpage stream and away from the seal face.

- ✓ Extended Seal Life
- ✓ Greater Reliability
- ✓ Maintenance Savings
- ✓ System Savings
- ✓ No Gauging or Instrumentation
- ✓ No Flush Water or Packing
- ✓ Better For Abrasive Applications
- ✓ Run-Dry™ Option



RUN-DRY™ SYSTEM

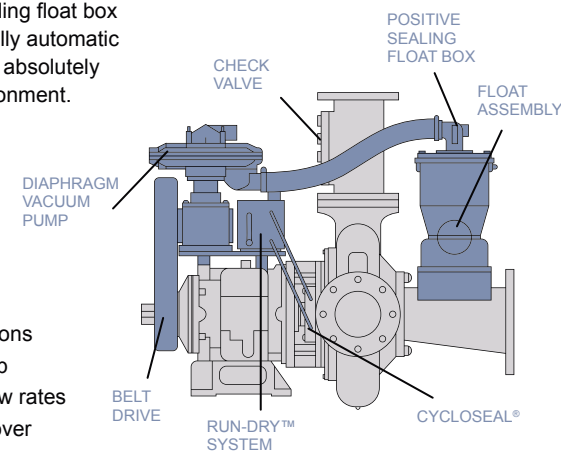
Protects mechanical seals from damage caused by operating without pumping fluid – running dry.

- ✓ Seal Protection
- ✓ Seal Cooling
- ✓ Easily-checked lubricant reservoir
- ✓ Peace of mind if pump runs dry

REDI-PRIME® SYSTEM

The Redi-Prime® system uses a positive-sealing float box and a diaphragm vacuum pump to provide fully automatic priming and re-priming of the pump. There is absolutely no water carry-over to contaminate the environment.

- ✓ Fully automatic priming and re-priming
- ✓ Handles air/liquid mixtures with ease
- ✓ Rapidly primes and re-primers completely unattended
- ✓ Environmentally safe priming system designed to prevent product leakage
- ✓ Patented Cycloseal® and Run-Dry™ options
- ✓ Does not impede solids handling of pump
- ✓ No change in suction lift capacity and flow rates
- ✓ Check valve eliminates any liquid carry over



COMPARE REDI-PRIME® AND VENTURI-PRIME				
SYSTEM	PRIMING SPEED	OPERATING TEMPERATURE	RUNNING COSTS	CARRY OVER RISK
Redi-Prime®	●●●●● Up to 50 CFM	●●●●● Cool	●●●●● Low	●●●●● Low
Venturi Prime	●●●●● Up to 20 CFM	●●●●● Cool to hot	●●●●● High	●●●●● Medium

PUMP TYPES

CLEAR LIQUIDS

DXB's clear liquid pumpsets are known around the world as the most durable, most reliable, highest efficiency pumps in the industry. We offer a large selection of clear liquids pumps that meet or exceed optimum efficiency standards for centrifugal pumps. These can be found in a variety of applications in the industrial, municipal & construction markets and are available in Close-Coupled, SAE Engine Mounted, Horizontal, and Vertical configurations.



SIZES 50MM TO 250MM

FLOWS UP TO 1570M³/HR

PRESSURES UP TO 24 BAR

EFFICIENCIES UP TO 89%

FEATURES

- Ductile Iron Construction
- CA6NM Stainless steel impellers
- Cycloseal® seal protection
- CD4MCu Stainless Steel (option)
- Replaceable wear rings
- Oversized bearings
- High efficiency, fully-machined impellers
- Heavy walled castings
- Two-year warranty

SOLIDS HANDLING

DXB's solids handling pumps are available in discharge sizes from 50mm to 750mm and are designed to handle difficult solids handling applications. A range of mounting configurations are available, from close-coupled, SAE engine-mount, and horizontal frame-mount, to vertical and vertical coupled. Featuring enclosed impeller (50mm to 250mm solids, and flows up 8100m³/hr), N-series can also be fitted with a delta impeller to handle stringy materials, rags, etc. Robust and reliable, the N-series has more than 30 years' of service as a waste-water handling favourite of the industry.



SIZES 50MM TO 750MM
IN OPEN SETS OR ENCLOSED CANOPIES

FLOWS UP TO 8100M³/HR

PRESSURES UP TO 21 BAR

EFFICIENCIES UP TO 83%

FEATURES

- Ductile Iron Construction
- CA6NM Stainless steel impellers
- Cycloseal® seal protection
- Solids handling 76-250mm
- Replaceable wear rings
- Oversized bearings
- High efficiency, fully-machined impellers
- Robust Mount Frame with mounting surfaces
- Two-year warranty

PUMP TYPES

WARRIOR

DXB's cutter pump solutions have addressed the urgent need to reduce clogging due to ragging. With the increased use of 'flushable' materials and extraneous cleaning products, the issue of clogging leading to downtime, pump destruction, and pipe damage, has increased markedly. Useful in municipal, agricultural, and other markets, the cutter's unique stationary and rotating blade design allows material to pass through the impeller that would tend to clog a non-cutter pump. Energy efficient and robust, the cutter comes in two versions, the Blade Cutter, and the Waste Warrior. The Waste Warrior is designed for more aggressive ragging and plugging.



SIZES 50MM TO 300MM

FLOWS UP TO 1150M³/HR

PRESSURES UP TO 12 BAR

EFFICIENCIES UP TO 78%

FEATURES

- Ductile Iron Construction
- Single pass cutter design
- Cycloseal® seal protection
- Rag handling impeller design
- Hard iron parts ductile iron volute
- Oversized bearings
- High efficiency, fully-machined impellers
- Two-year warranty

SLURRY

DXB's range of slurry pumps expand our line of standard dewatering pumping solutions to the more abrasive applications in the drilling, construction, mining & quarrying, Industrial & municipal industries. With the patented Cycloseal® technology, our slurry pumps are built to operate without flush water.

FEATURES

- 650BHN Hard Iron construction
- Wear resistant shaft
- High efficiency impeller design
- Cycloseal® seal protection
- Oversized bearings
- Rubber lined option
- Two-year warranty

SIZES 50MM TO 300MM

FLOWS UP TO 3180M³/HR

PRESSURES UP TO 24 BAR

EFFICIENCIES UP TO 79%

SP Series pumps bring patented Cycloseal® technology to the mining process industry. Adding to the diverse range of mine dewatering pumps, the SP Series slurry pump offers a DXB solution to abrasive applications throughout the mill process. Available in rubber and metal lined configuration to handle various particle sizes, and pH requirements.



MP Series pumps are designed to provide a world-class, robust service life in any slurry pump. Cornell's Mining Pump Series combines 70 years of innovation in pump manufacturing and design, with the highly regarded patented Cycloseal® technology. Capable of operating at high pressures, the MP pumps are specifically designed for coarse abrasive slurry applications such as sand, gravel, coal, manure and mine dewatering.



SM Series pumps are hard metal slurry pumps. All SM pumps have a standard pressure rating of 200 BAR for high head and multi-stage series pumping applications. High chrome white iron alloy is the standard material of construction for all wet end components. A unique adjustable suction wear plate incorporates the newly patented Cycloguard feature to reduce recirculation for longer wear life.



PUMPSET FEATURES

ULTRA QUIET, FULLY BONDED

AND OPTIONS...

IT'S ALL IN THE DETAIL

EXHAUST SPARK ARRESTOR & EMERGENCY AIR SHUTDOWN VALVE

Standard build includes ATEX approved spark arresting silencers for use in refineries and tank farms. Various air intake shutdown valves are available depending on engine choice and location.



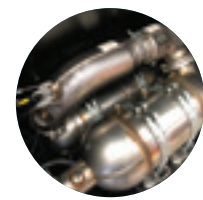
EASY ACCESS

Multiple and large access doors allow for easy maintenance on site ensuring our equipment can be easily maintained and monitored at all times.



FUEL MANAGEMENT

All DXB pumpsets come with large refuelling points reducing complications and spillages during night time refuelling. Standard equipment includes fuel gauges and bulk fuel changeover manifolds.



STAGE 5 AFTER TREATMENT

Pumpsets up to 475kW (600HP) are designed with separate exhaust after-treatment compartments easing access for maintenance whilst increasing the cooling performance inside the pumpset.

FIND THE RIGHT PUMPSET FOR YOU!

PUMP NUMBER IDENTIFIER

XX8888/88

APPLICATION

WW = Wastewater
 DE = Dewatering
 SS = Sand & Slurry
 GI = General Industry
 SP = Specialist

FLOW

(m³/hr) at
 Best Efficiency
 Point (BEP)

HEAD

(metres) at
 Best Efficiency
 Point (BEP)

MARKETS WE OPERATE IN...



OIL & GAS

The DXB team have worked in the oil industry around the world since 1988 and have extensive knowledge of the industry in both upstream and downstream applications, especially pumping.



CONSTRUCTION & TUNNELLING

DXB design and manufacture a large range of high performance pumpsets for the construction industry. Our pumps are specifically designed for Ultra Low Emission Zone (ULEZ) applications.



MINING, QUARRY & AGGREGATES

Whether you require high flow dewatering pumps in a sand and gravel pit or high head submersible pumps for underground mines, DXB have the right equipment for the job.



WATER MANAGEMENT

The specialist wastewater pumpsets are designed to operate completely automatically with full telemetry and control systems allowing for monitoring and control from remote locations.



INDUSTRIAL

DXB offer a large range of pumps for the general industrial market including end suction, self priming, multi-stage and split case pumps.



RENTAL

DXB's unique modular design, which utilises the most efficient pump model, emission compliant engine combination on the market, makes a DXB pumpset the ideal addition to any rental fleet.

SEE PAGES 24-25

FIND YOUR PUMP

FIND YOUR PUMP

FIND YOUR PUMP



OIL & GAS

- TANK CLEANING UP TO 110M DIAMETER
- WATER SUPPLY FOR HYDRAULIC FRACTURING
- PRODUCT TRANSFER
- PIPELINE PIGGING

	WASTEWATER RANGE	DEWATERING RANGE	SAND & SLURRY RANGE	GENERAL INDUSTRY RANGE	SPECIALIST RANGE
TANK CLEANING UP TO 110M DIAMETER		✓ PAGE 38-61		✓ PAGE 74-93	
WATER SUPPLY FOR HYDRAULIC FRACTURING		✓ PAGE 38-61		✓ PAGE 74-93	
PRODUCT TRANSFER		✓ PAGE 38-61		✓ PAGE 74-93	
PIPELINE PIGGING		✓ PAGE 38-61		✓ PAGE 74-93	
SITE DRAINAGE		✓ PAGE 38-61			
PUMPING STREAM DIVERSIONS		✓ PAGE 38-61			
DRILL RIG WATER SUPPLY			✓ PAGE 62-73		
BENTONITE SLURRY PUMPING			✓ PAGE 62-73		
DIGESTER CLEANING AND SLUDGE REMOVAL			✓ PAGE 62-73		
EMERGENCY DRAINAGE OF FLOODWATERS		✓ PAGE 38-61			
SURFACE & UNDERGROUND DEWATERING		✓ PAGE 38-61			
PROCESS WATER SUPPLY & TRANSFER		✓ PAGE 38-61			
SLURRY & SILT PUMPING			✓ PAGE 62-73		
DUST SUPPRESSION & VEHICLE WASHING		✓ PAGE 38-61			
SEWAGE BYPASS, OVER-PUMPING & INLET WORKS	✓ PAGE 26-37				
POTABLE WATER BOOSTER PUMP		✓ PAGE 38-61		✓ PAGE 74-93	
DIGESTER CLEANING AND SLUDGE REMOVAL			✓ PAGE 62-73		
FLOOD CONTROL		✓ PAGE 38-61			
TEMPORARY RAW WATER SUPPLY		✓ PAGE 38-61		✓ PAGE 74-93	
TEMPORARY FIRE PUMPS		✓ PAGE 38-61		✓ PAGE 74-93	
WASTEWATER EFFLUENT BYPASS	✓ PAGE 26-37				
PROCESS WATER SUPPLY & TRANSFER		✓ PAGE 38-61		✓ PAGE 74-93	
EMERGENCY DRAINAGE OF FLOODWATERS		✓ PAGE 38-61			



CONSTRUCTION & TUNNELLING

- SITE DRAINAGE
- PUMPING STREAM DIVERSIONS
- DRILL RIG WATER SUPPLY
- BENTONITE SLURRY PUMPING
- DIGESTER CLEANING AND SLUDGE REMOVAL
- EMERGENCY DRAINAGE OF FLOODWATERS



MINING, QUARRY & AGGREGATES

- SURFACE & UNDERGROUND DEWATERING
- PROCESS WATER SUPPLY & TRANSFER
- SLURRY & SILT PUMPING
- DUST SUPPRESSION & VEHICLE WASHING



WATER MANAGEMENT

- SEWAGE BYPASS, OVER-PUMPING & INLET WORKS
- POTABLE WATER BOOSTER PUMP
- DIGESTER CLEANING AND SLUDGE REMOVAL
- FLOOD CONTROL



INDUSTRIAL

- TEMPORARY RAW WATER SUPPLY
- TEMPORARY FIRE PUMPS
- WASTEWATER EFFLUENT BYPASS
- PROCESS WATER SUPPLY & TRANSFER
- EMERGENCY DRAINAGE OF FLOODWATERS

SEE PAGES 94-111 FOR OUR SPECIALIST PUMP RANGE OR CALL US TODAY TO CREATE BESPOKE PUMP PACKAGES TO BEST SUIT YOUR NEEDS

DXB UNIQUE MODULAR DESIGN

DXB'S UNIQUE MODULAR DESIGN GIVES INCREASED OPTIONS WHILST STILL UTILISING THE SAME CANOPY & ENGINE.

Depending on specific applications the most efficient and suitable pump end is selected which means we can deliver a solution that is the most suitable for our customers' needs.

For our customers who have decided to fleet DXB pumpsets, this flexibility enables higher utilisation as more applications can be handled.



MODULAR DESIGN FOR OUR CLIENT IN SCANDINAVIA

- 1** Our customer works on various municipalities across Scandinavia
- 2** To minimise blockages & downtime we selected the DXB CRP250NNT445 pump which met our customers BEP duty points
- 3** Power required to meet the duty points was a Stage V Scania DC13 Diesel Engine
- 4** The DXB8 Canopy was chosen as the perfect fit for the DXB DE1400/50 pumpset

- ✔ Engine driven, portable, high flow and high pressure sets up to 1500kW
- ✔ Electric motor, portable, high flow and high pressure sets up to 1000kW
- ✔ Sound attenuated portable pumpsets up to 750kW
- ✔ Hydraulic submersible pumpsets up to 120kW
- ✔ Engine driven and electric wet self priming pumpsets up to 90kW
- ✔ Custom designed and built pumpsets to your specifications including ATEX, RIGSAFE and other specifications
- ✔ Suppliers of multistage, split case, dry prime and end suction centrifugal pumpsets

1 WHICH MARKET ARE YOU OPERATING IN?



OIL & GAS



CONSTRUCTION & TUNNELLING



MINING, QUARRY & AGGREGATES



WATER MANAGEMENT



INDUSTRIAL

2 WHAT IS BEING PUMPED & AT WHAT DUTY POINTS?



CLEAR LIQUIDS



SOLIDS HANDLING



CUTTER



SLURRY

3 ENGINE OR ELECTRIC?



ULEZ | ECO-FRIENDLY
STAGE V
COMPLIANT

STAGE V DIESEL ENGINE



ELECTRIC MOTOR

4 WHAT TYPE OF CANOPY?



DXB1 TO DXB12 SOUND ATTENUATED CANOPIES

“OPEN-SETS”
AVAILABLE ON
REQUEST

PUMPSET REFURBISH



At DXB Pump & Power, we not only pride ourselves on designing and manufacturing the highest quality pumpsets available in the world, we also have the in-house capabilities to refurbish old pumpsets to the same highest quality you would expect from our new pumpsets.

We recognise the pressures CAPEX budgets are sometimes under, so when a full refurbishment is a more cost effective and viable solution, we will do it for you including upgrading engines and replacing or upgrading systems like priming, telemetry and enclosures.

Examples of our recent refurbishments include:

- For the UK Environment Agency, DXB Pump & Power undertook a full refurbishment programme of seven 500mm flood defence pumpsets that were over ten years old and had operational problems, causing the client challenges.
- DXB Pump & Power undertook:
 - Full tear down and recycling of scrap steel
 - Refurbishment of skid base
 - Design of new fully bundled canopy including hotbox
 - Selection and supply of new 180kW Stage 5 engine with new high efficiency gearbox
 - New control systems with full engine and pump monitoring through telemetry
 - Fully refurbished pump end and integration of new environmentally friendly priming equipment



SPECIAL PROJECTS



At DXB Pump & Power, we not only pride ourselves on designing and manufacturing the highest quality pumpsets available in the world, we also have the in-house capabilities to partner with other organisations and develop turnkey solutions.

With experience of developing solutions in the power generation, mining, construction and rental markets, DXB Pump & Power have the ability to design and supply complete solutions up to 10000m³/hr or pressures up to 40 bar from its standard product range.

Examples of our recent refurbishments include:

- Design and build of a 3000m³/hr pump station for the Government of Malta at the Malta Film Studio
- 3 x 300mm CD4Mcu Duplex stainless steel pumpsets for seawater pumping in Malta
- Each pump capable of over 1000m³/hr
- Two using Stage 5 engines, one using high efficiency electric motor
- Full pipework design and installation including telemetry systems for remote management and control
- Temporary bypass rental for 3 months during project



YOUR TRUSTED PARTNER FOR PUMP RENTAL

DXB Integrate (DXBi) is a UK based pump rental company operating across Europe & beyond, specialising in providing environmentally friendly, high performance portable pumpsets used across multiple applications around the world such as wastewater, drilling & general dewatering applications.

Over 25 years of experience combined with the very latest technology, including Stage 5 engines and proven high efficiency pumps from Cornell Pump, means that DXBi offers the most efficient, robust and cleanest emissions pumpsets on the market.

TO RENT FROM THE DXB INTEGRATE FLEET VISIT DXBINTEGRATE.COM



NEW AND PREMIUM QUALITY PUMPSETS

....

INCREASE YOUR AVAILABILITY AND HAVE BETTER RELIABILITY

....

ENHANCE YOUR PORTFOLIO AND OFFER MORE PUMPS TO YOUR CUSTOMERS



WASTE- WATER



SIZES 50MM TO
750MM IN EITHER
OPEN OR ENCLOSED
CANOPIES

...

FLOWS UP TO
8000M³/HR OR
2200 LPS

...

PRESSURES UP TO
16 BAR OR 500 FEET
IN REDI-PRIME®
CONFIGURATION

...

EFFICIENCIES
UP TO 85%

...

SOLIDS HANDLING UP
TO 250MM OR
10 INCHES

...

STAGE 5 EMISSION
COMPLIANT
ENGINES AND IEC3/4
EFFICIENT MOTORS



DXB PUMP AND POWER HAVE DESIGNED THE MOST ADVANCED PORTABLE WASTEWATER PUMP RANGE ON THE EUROPEAN MARKET.

Incorporating Stage 5 emission compliant engines with its unique "Warrior" pump ends that are able to handle the most challenging wastewater applications including raw sewage containing rag and other solids, whilst maintaining efficiencies of up to 85% – almost double that of other pumps.

Combining these two critical features with standard build items such as 50cfm dry prime pump and patented Cycloseal® Run-Dry™ technology means the DXB wastewater pump range can prime to 9m whilst being able to maintain high suction lifts when pumping unlike other sewage pumps that struggle with lift performance due to low NPSHr capabilities of their impeller design.

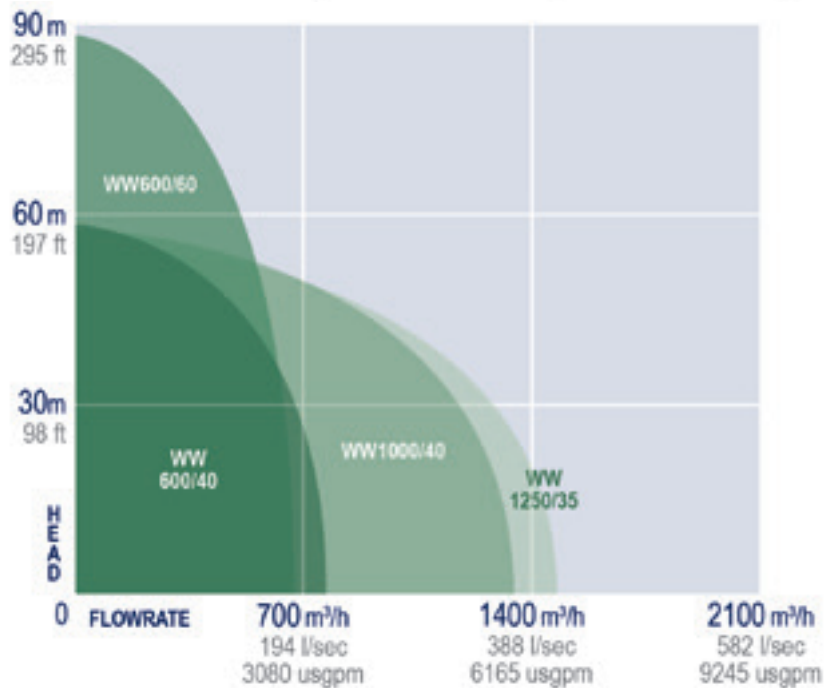
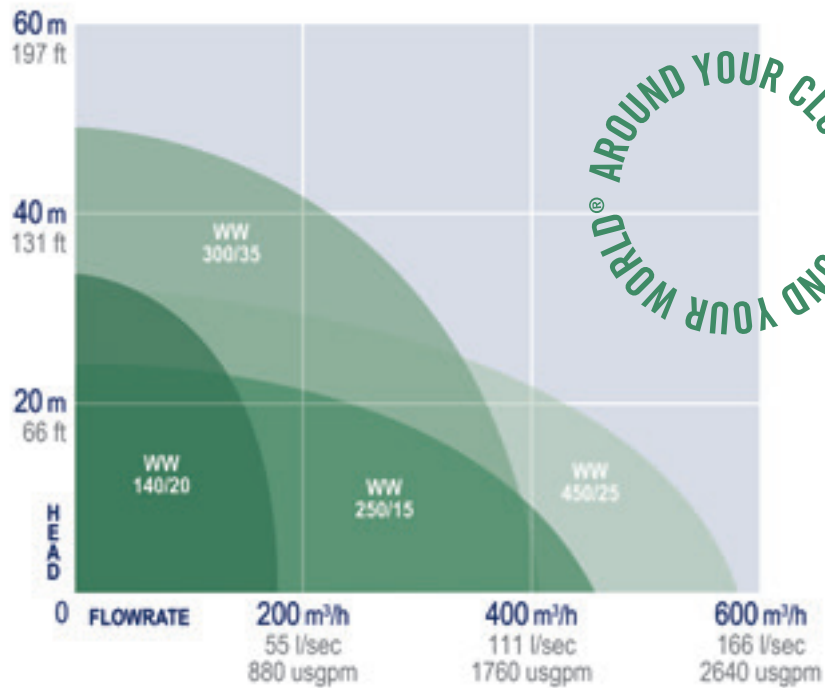
With silent pumpset sizes from 100mm to 300mm offering flows up to 1200m³/hr, pressures of over 10bar all with higher efficiency Warrior impellers that require less power, less fuel and reduce the costs of pumping. For non-Warrior applications DXB Pump & Power offer a range of large solids handling pumps (up to 750mm) capable of flows up to 8000m³/hr and heads beyond 15 bar all with high efficiency impellers up to 85% efficiency.



RANGE WASTEWATER

		Max Flow	Max Head
p30	WW140/20	185 m³/h	33 m
p31	WW250/15	455 m³/h	24 m
p32	WW300/35	405 m³/h	49 m
p33	WW450/25	590 m³/h	34 m
p34	WW600/40	770 m³/h	57 m
p35	WW600/60	670 m³/h	87 m
p36	WW1000/40	1350 m³/h	57 m
p37	WW1250/35	1480 m³/h	56 m

ALL DATA IS FOR GUIDANCE PURPOSES ONLY



AROUND YOUR CLOCK, AROUND YOUR WORLD®

EXCELLING IN THE FOLLOWING MARKETS...



WW140/20

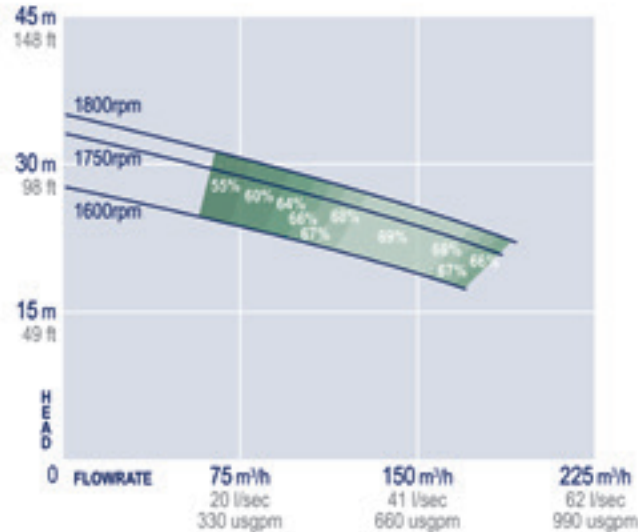


AT A GLANCE		
Suction Size	100 mm	4 "
Discharge Size	100 mm	4 "
Solids Handling	76 mm (min)	3 " (min)
Max Flow	185 m³/hr	820 usgpm
Max Head	33 mtrs	108 '
Max Speed	1800 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
145 m³/hr 645 usgpm	23 mtrs 78 '	1750 rpm	70%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	4 ltrs/hr	1.05 usgph	Standard	IEC3	
Rated Power @ BEP	13 kW	18 hp	Rated Power	18 kW	25 hp
Model	Deutz D2.2		Enclosure	TEFC	
Emissions	Stage V		Nominal Speed	1500 rpm	
Max Power	18 kW	24 hp	Frame	180	

PERFORMANCE CURVE



PUMP SIZE

NET WEIGHT
1380 kgs
3050 lbs
L × W × H
2.10 × 0.95 × 1.75 mtr
82 × 37 × 68 "

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Road Trailer

13.5 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (185 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

WW250/15

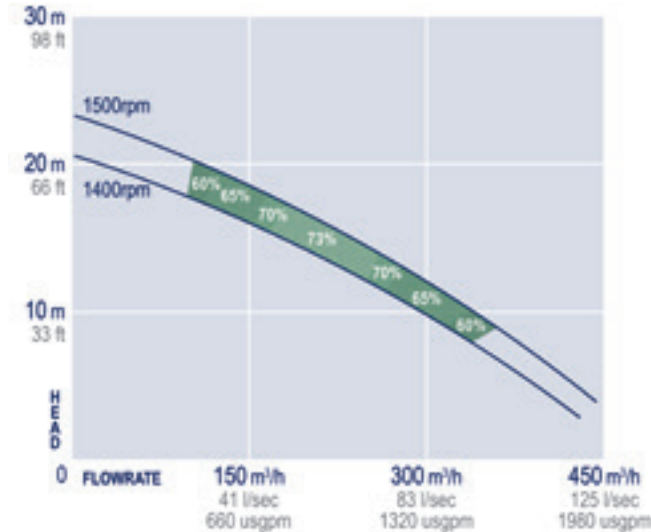


AT A GLANCE		
Suction Size	150 mm	6 "
Discharge Size	150 mm	6 "
Solids Handling	76 mm (min)	3 " (min)
Max Flow	455 m³/hr	2000 usgpm
Max Head	24 mtrs	80 '
Max Speed	1530 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
235 m³/hr 1030 usgpm	16 mtrs 52 '	1525 rpm	74%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	4 ltrs/hr	1.05 usgph	Standard	IEC3	
Rated Power @ BEP	14 kW	18 hp	Rated Power	18 kW	25 hp
Model	Deutz D2.2		Enclosure	TEFC	
Emissions	Stage V		Nominal Speed	1500 rpm	
Max Power	18 kW	24 hp	Frame	180	

PERFORMANCE CURVE



PUMP SIZE

NET WEIGHT
1380 kgs
3050 lbs
L × W × H
2.10 × 0.95 × 1.75 mtr
82 × 37 × 68 "

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Road Trailer

5.50 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (455 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

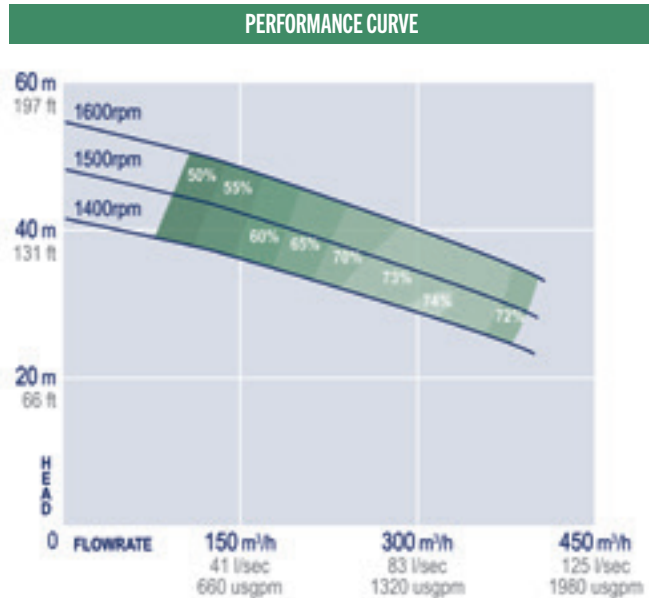
WW300/35



AT A GLANCE		
Suction Size	150 mm	6 "
Discharge Size	150 mm	6 "
Solids Handling	76 mm (min)	3 " (min)
Max Flow	405 m³/hr	1780 usgpm
Max Head	49 mtrs	161 '
Max Speed	1600 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
300 m³/hr 1320 usgpm	35 mtrs 115 '	1515 rpm	73%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION		
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz		
Fuel Burn/hr @ BEP	12 ltrs/hr	3.20 usgph	Standard	IEC3		
Rated Power @ BEP	39 kW	52 hp	Rated Power	55 kW	74 hp	
Model	Deutz TCD 2.9		Enclosure	TEFC		
Emissions	EU Stage V		Nominal Speed	1500 rpm		
Max Power	55 kW	74 hp	Frame	250		



PUMP SIZE

NET WEIGHT

2350 kgs
5180 lbs

L × W × H

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

- EXTRAS**
- As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:
- Hoses & Accessories
 - Satellite Telemetry
 - Spark Arrestor
 - Shut-Down Valve
 - Road Trailer

6.20 HOURS To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (405 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

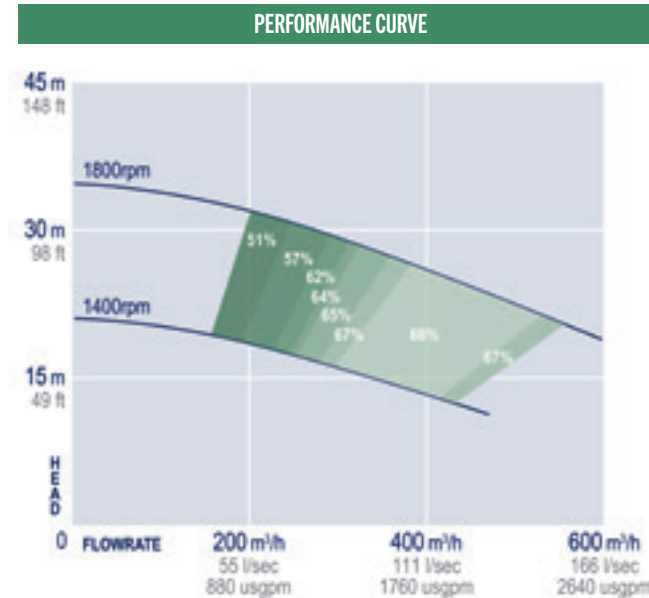
WW450/25



AT A GLANCE		
Suction Size	200 mm	8 "
Discharge Size	200 mm	8 "
Solids Handling	86 mm (min)	3.40 " (min)
Max Flow	590 m³/hr	2600 usgpm
Max Head	34 mtrs	111 '
Max Speed	1800 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
440 m³/hr 1940 usgpm	24 mtrs 79 '	1780 rpm	69%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION		
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz		
Fuel Burn/hr @ BEP	13 ltrs/hr	3.45 usgph	Standard	IEC3		
Rated Power @ BEP	41 kW	56 hp	Rated Power	55 kW	74 hp	
Model	Deutz TD2.9		Enclosure	TEFC		
Emissions	EU Stage V		Nominal Speed	1500 rpm		
Max Power	55 kW	74 hp	Frame	250		



PUMP SIZE

NET WEIGHT

2350 kgs
5180 lbs

L × W × H

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

- EXTRAS**
- As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:
- Hoses & Accessories
 - Satellite Telemetry
 - Spark Arrestor
 - Shut-Down Valve
 - Road Trailer

4.20 HOURS To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (590 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

WW600/40

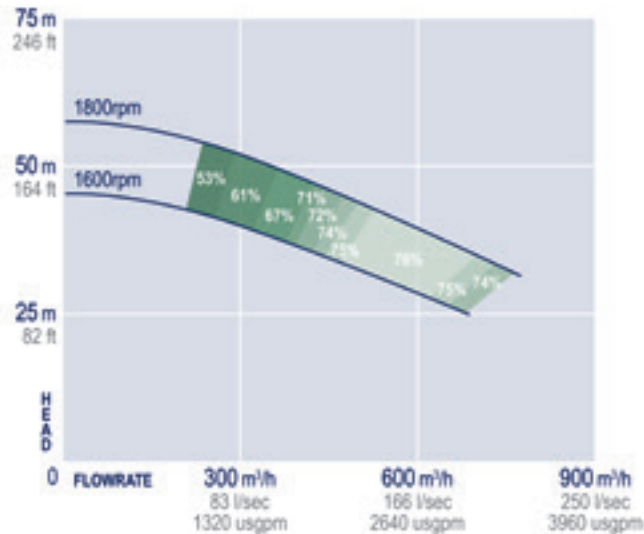


AT A GLANCE		
Suction Size	200 mm	8 "
Discharge Size	200 mm	8 "
Solids Handling	86 mm (min)	3.40 " (min)
Max Flow	770 m³/hr	3400 usgpm
Max Head	57 mtrs	189 '
Max Speed	1800 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
600 m³/hr 2650 usgpm	39 mtrs 129 '	1800 rpm	77%

DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz
Fuel Burn/hr @ BEP	25 ltrs/hr	6.60 usgph	Standard	IEC3
Rated Power @ BEP	83 kW	111 hp	Rated Power	110 kW 148 hp
Model	Deutz TCD3.6L4		Enclosure	TEFC
Emissions	EU Stage V		Nominal Speed	1500 rpm
Max Power	105 kW	141 hp	Frame	315

PERFORMANCE CURVE



PUMP SIZE

NET WEIGHT
2350 kgs
5180 lbs
L × W × H
2.85 × 1.20 × 2.00 mtr
112 × 47 × 78 "

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Road Trailer

3.25 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (770 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

WW600/60

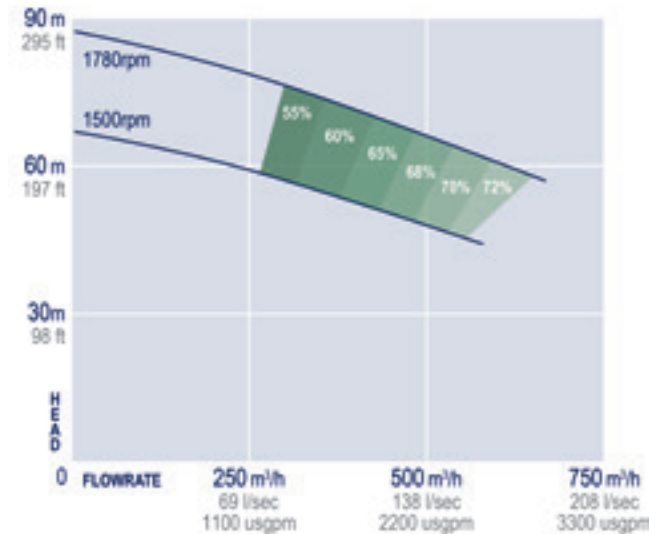


AT A GLANCE		
Suction Size	200 mm	8 "
Discharge Size	200 mm	8 "
Solids Handling	76 mm (min)	3 " (min)
Max Flow	670 m³/hr	2950 usgpm
Max Head	87 mtrs	285 '
Max Speed	1800 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
600 m³/hr 2650 usgpm	60 mtrs 198 '	1770 rpm	72%

DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz
Fuel Burn/hr @ BEP	41 ltrs/hr	10.85 usgph	Standard	IEC3
Rated Power @ BEP	137 kW	184 hp	Rated Power	185 kW 248 hp
Model	Deutz TCD6.1L4		Enclosure	TEFC
Emissions	EU Stage V		Nominal Speed	1500 rpm
Max Power	180 kW	241 hp	Frame	315

PERFORMANCE CURVE



PUMP SIZE

NET WEIGHT
3750 kgs
8265 lbs
L × W × H
3.70 × 1.40 × 2.05 mtr
146 × 55 × 80 "

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Road Trailer

3.70 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (670 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

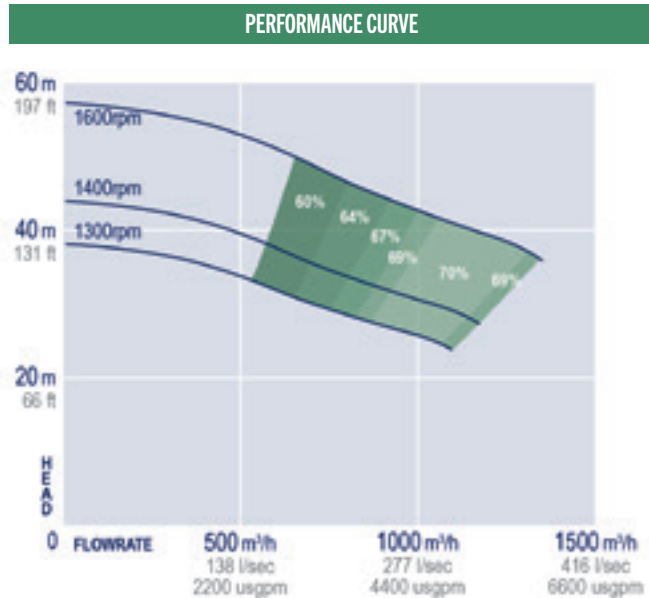
WW1000/40



AT A GLANCE		
Suction Size	250 mm	10 "
Discharge Size	250 mm	10 "
Solids Handling	86 mm (min)	3.40 " (min)
Max Flow	1350 m ³ /hr	5940 usgpm
Max Head	57 mtrs	188 '
Max Speed	1600 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
1060 m ³ /hr 4660 usgpm	41 mtrs 136 '	1600 rpm	70%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	51 ltrs/hr	13.50 usgph	Standard	IEC3	
Rated Power @ BEP	171 kW	229 hp	Rated Power	250 kW	335 hp
Model	Deutz TCD7.8L6		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	260 kW	348 hp	Frame	315	



PUMP SIZE
NET WEIGHT
4100 kgs 9040 lbs
L × W × H
4.25 × 1.60 × 2.20 mtr 167 × 63 × 87 "

- EXTRAS**
- As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:
- Hoses & Accessories
 - Satellite Telemetry
 - Spark Arrestor
 - Shut-Down Valve
 - Hook-Lift

1.85 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1350 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

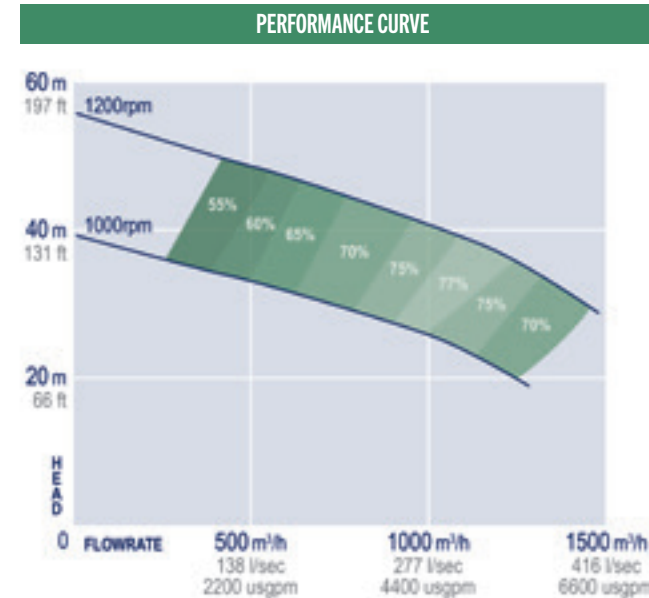
WW1250/35



AT A GLANCE		
Suction Size	300 mm	12 "
Discharge Size	300 mm	12 "
Solids Handling	121 mm (min)	4.75 " (min)
Max Flow	1480 m ³ /hr	6500 usgpm
Max Head	56 mtrs	184 '
Max Speed	1200 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
1180 m ³ /hr 5190 usgpm	37 mtrs 121 '	1200 rpm	77%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	46 ltrs/hr	12.15 usgph	Standard	IEC3	
Rated Power @ BEP	155 kW	208 hp	Rated Power	185 kW	248 hp
Model	DEUTZ TCD6.1L4		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	180 kW	241 hp	Frame	315	



PUMP SIZE
NET WEIGHT
9200 kgs 20280 lbs
L × W × H
4.00 × 1.50 × 2.50 mtr 157 × 59 × 98 "

- EXTRAS**
- As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:
- Hoses & Accessories
 - Satellite Telemetry
 - Spark Arrestor
 - Shut-Down Valve
 - Hook-Lift

1.70 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1480 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

DEWATERING

SIZES 50MM TO
750MM IN EITHER
OPEN OR ENCLOSED
CANOPIES

...

FLOWS UP TO
8000M³/HR OR
35000USGPM

...

PRESSURES UP TO
25 BAR OR 800 FEET
IN REDI-PRIME®
CONFIGURATION

...

EFFICIENCIES
UP TO 89%

...

SOLIDS HANDLING UP
TO 250MM OR
10 INCHES

...

STAGE 2-5 EMISSION
COMPLIANT
ENGINES AND IEC3/4
EFFICIENT MOTORS



THE MOST TECHNICALLY ADVANCED PUMPSETS IN THE WORLD COMBINING THE CLEANEST ENGINES OR THE MOST EFFICIENT ELECTRIC MOTORS.

Around your clock, around your world is the fundamental philosophy of the company and that particularly applies to those requiring the work operations to remain dry during periods of wet weather such as mines in tropical regions to construction sites along coastlines and rivers.

No job is too small, too large or too deep for DXB Pump & Power with the broadest range of dry prime dewatering pumps from 50mm to 750mm in size capable of flows up to 8000m³/hr and pressures in excess of 25 bar.

Our standard designs are available either in basic open skid design or at the other end of the range is the acoustically enclosed, fully banded canopies and containers with fuel tanks having certifications to CSC standards allowing for international shipping.

Powered by Stage 5 engines for European markets, Tier 4 Final for the Americas and finally Stage 2-3 for lesser compliant markets, all of DXB Pump & Power pumpsets are specifically designed for the most arduous applications and harsh conditions including anywhere offshore and throughout many other testing, geographically remote, frozen, tundra, jungle, swamp, desert and mountainous regions.

Available in sizes from 38mm to 750mm in size capable of flowrates up to 8000m³/hr and pressures.



RANGE DEWATERING

		Max Flow	Max Head
p44	DE200/50	280 m ³ /h	63 m
p45	DE250/25	550 m ³ /h	49 m
p46	DE300/120	480 m ³ /h	153 m
p47	DE300/150	545 m ³ /h	198 m
p48	DE500/25	850 m ³ /h	45 m
p49	DE500/50	630 m ³ /h	82 m
p50	DE500/200	1490 m ³ /h	205 m
p51	DE600/100	870 m ³ /h	115 m
p52	DE600/160	1015 m ³ /h	170 m
p53	DE750/25	1000 m ³ /h	68 m
p54	DE750/50	1100 m ³ /h	90 m
p55	DE750/150	1435 m ³ /h	164 m
p56	DE750/200	1640 m ³ /h	213 m
p57	DE900/90	1830 m ³ /h	123 m
p58	DE1000/50	1500 m ³ /h	77 m
p59	DE1000/150	1550 m ³ /h	181 m
p60	DE1000/200	1700 m ³ /h	240 m
p61	DE2500/20	2700 m ³ /h	35 m

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

EXCELLING IN THE FOLLOWING MARKETS...



OIL & GAS



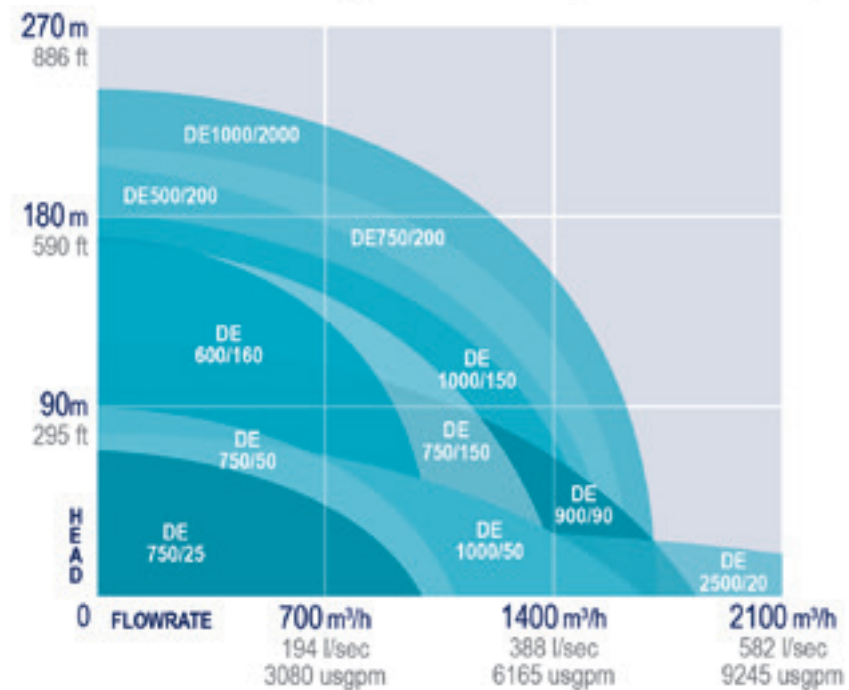
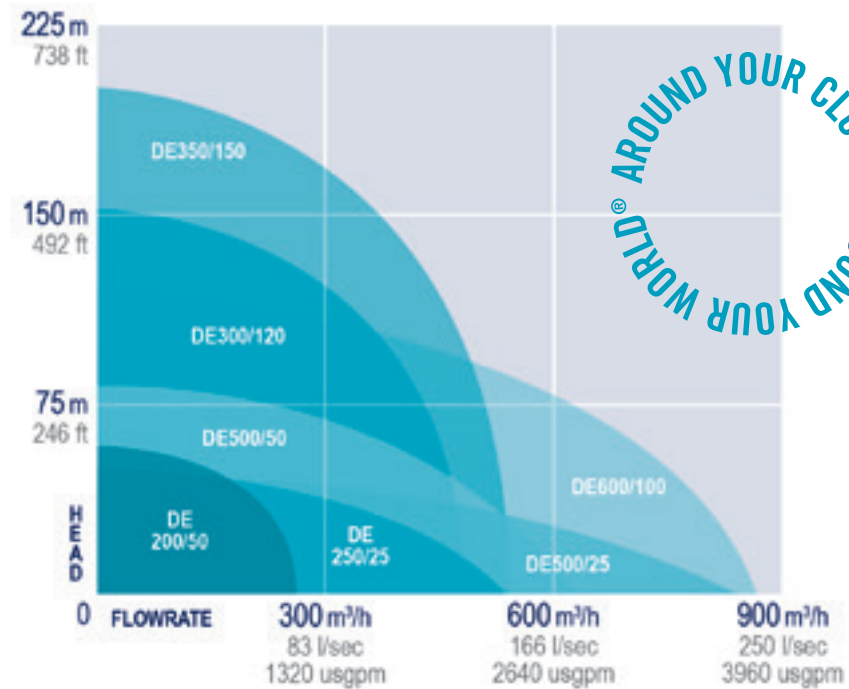
CONSTRUCTION & TUNNELING



MINING & QUARRY



INDUSTRIAL



CASE STUDY

MOTA ENGIL MINING – MOZAMBIQUE

DXB Pump & Power was approached by a European mining focused buying house to supply twelve high flow pumpsets for an international mining company based in the Tete region of Mozambique and delivery was required in under three months.



Whilst other pump manufacturers balked at the short delivery period, DXB spoke with key suppliers such as Cornell Pump and Caterpillar, to identify whether this was possible and after confirmation, quoted the twelve pumpsets with three months delivery.

Following the successful tendering process, an order was placed on DXB Pump & Power with strict penalties as part of the finance agreement and the company immediately began the process of designing the pumpsets for Mota-Engil.

With twelve CAT and Perkins engines to be ordered and twelve pumpsets to source from Cornell on the West Coast of the USA, design time was limited to a single week so that orders could be placed swiftly to ensure on-time-delivery.

DXB Pump worked six days a week, 12 hours a day for six weeks to build all the pumpsets which had to be designed as trailers complete with suction booms, Storm & Stone protection systems, safety equipment including fire extinguishers and safety lighting.

All the pumpsets capable of over 500m³/hr at heads up to 100m were shipped on time and on budget for the mine to install and operate within the twelve-week time frame.

CLIENT REQUIREMENTS:

SUPPLY WITHIN
3 MONTHS

12
HIGH FLOW
PUMPSETS

ROBUST
BUILD
OF MATERIALS

RELIABLE
SUPPLIER
WITH ZERO
BREAKDOWNS

ALL THE PUMPSETS
CAPABLE OF OVER
500M³/HR AT HEADS UP
TO 100M SHIPPED ON
TIME AND ON BUDGET
FOR THE MINE TO
INSTALL AND OPERATE
WITHIN THE TWELVE-
WEEK TIMEFRAME.



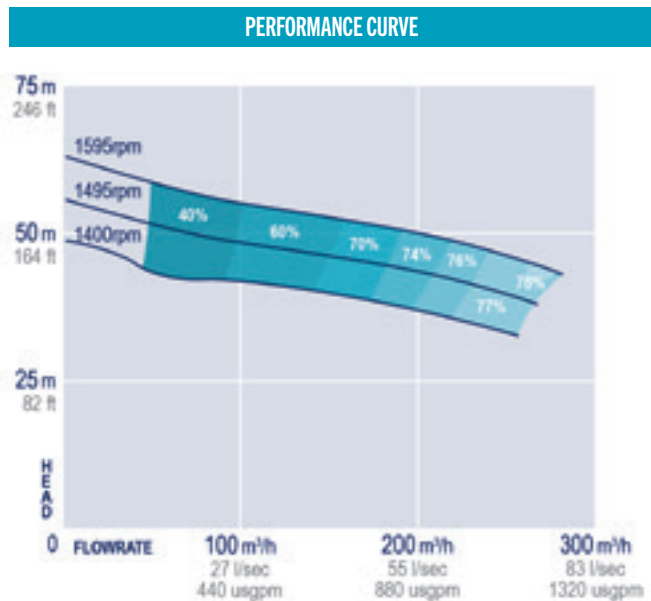
DE200/50



AT A GLANCE		
Suction Size	100 mm	4 "
Discharge Size	100 mm	4 "
Solids Handling	76 mm (min)	3 " (min)
Max Flow	280 m³/hr	1240 usgpm
Max Head	63 mtrs	207'
Max Speed	1600 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
200 m³/hr 880 usgpm	50 mtrs 164'	1595 rpm	75%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	11 ltrs/hr	2.90 usgph	Standard	IEC3	
Rated Power @ BEP	36 kW	49 hp	Rated Power	55 kW	74 hp
Model	Deutz TD2.9		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	55 kW	74 hp	Frame	250	



PUMP SIZE

NET WEIGHT

2350 kgs
5180 lbs

L × W × H

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

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Road Trailer

8.90 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (280 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

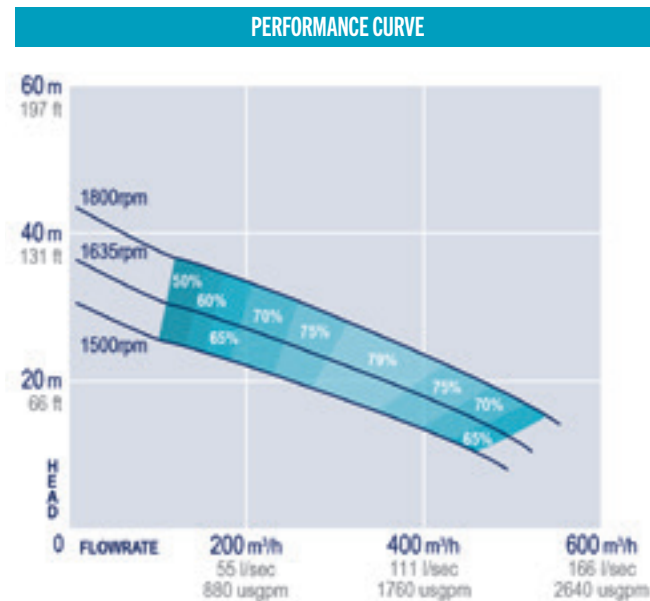
DE250/25



AT A GLANCE		
Suction Size	150 mm	6 "
Discharge Size	150 mm	6 "
Solids Handling	76 mm (min)	3 " (min)
Max Flow	550 m³/hr	2420 usgpm
Max Head	49 mtrs	161'
Max Speed	1800 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
250 m³/hr 1100 usgpm	25 mtrs 82'	1635 rpm	76%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	7 ltrs/hr	1.85 usgph	Standard	IEC3	
Rated Power @ BEP	22 kW	30 hp	Rated Power	37 kW	50 hp
Model	Deutz TD2.9		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	36 kW	48 hp	Frame	225	



PUMP SIZE

NET WEIGHT

2350 kgs
5180 lbs

L × W × H

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

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Road Trailer

4.55 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (550 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

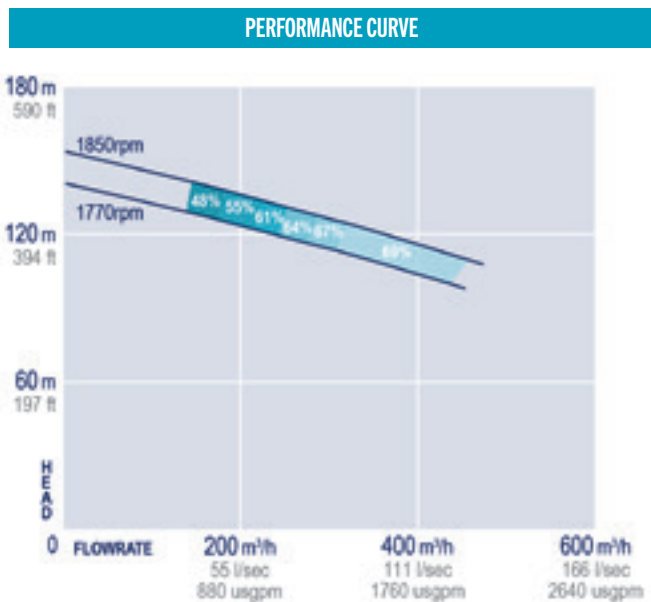
DE300/120



AT A GLANCE		
Suction Size	200 mm	8 "
Discharge Size	150 mm	6 "
Solids Handling	51 mm (min)	2 " (min)
Max Flow	480 m³/hr	2110 usgpm
Max Head	153 mtrs	502 '
Max Speed	1850 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
385 m³/hr 1700 usgpm	115 mtrs 385 '	1850 rpm	71%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	52 ltrs/hr	13.75 usgph	Standard	IEC3	
Rated Power @ BEP	175 kW	235 hp	Rated Power	250 kW	335 hp
Model	Deutz TCD7.8L6		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	260 kW	349 hp	Frame	315	



PUMP SIZE
NET WEIGHT
4100 kgs 9040 lbs
L × W × H
4.25 × 1.60 × 2.20 mtr 167 × 63 × 87 "

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

5.20 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (480 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

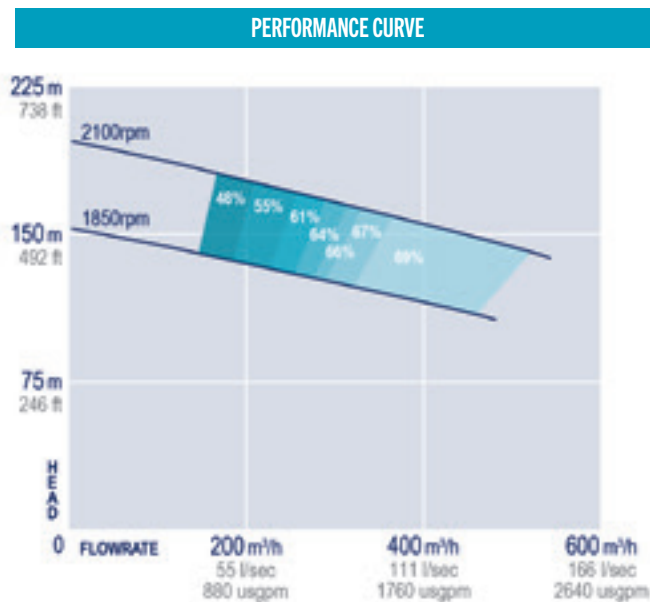
DE350/150



AT A GLANCE		
Suction Size	200 mm	8 "
Discharge Size	100 mm	4 "
Solids Handling	51 mm (min)	2 " (min)
Max Flow	545 m³/hr	2400 usgpm
Max Head	198 mtrs	650 '
Max Speed	2100 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
350 m³/hr 1540 usgpm	150 mtrs 490 '	2100 rpm	71%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	60 ltrs/hr	15.85 usgph	Standard	IEC3	
Rated Power @ BEP	255 kW	342 hp	Rated Power	315 kW	422 hp
Model	Scania DC13		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	300 kW	402 hp	Frame	355	



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

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

4.60 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (545 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

DE500/25

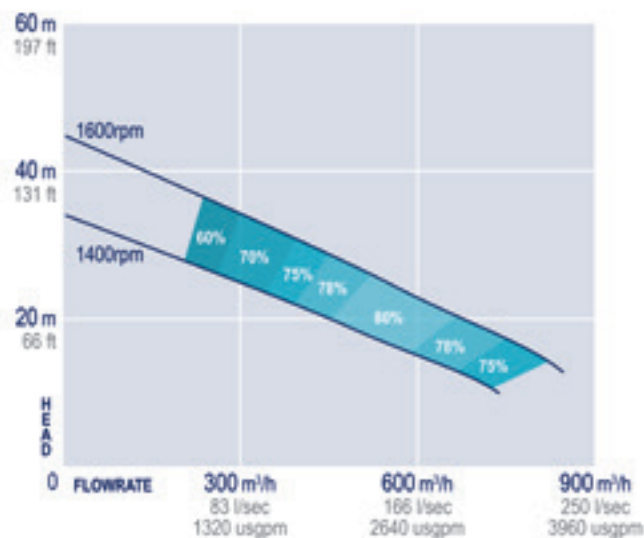


AT A GLANCE		
Suction Size	200 mm	8 "
Discharge Size	200 mm	8 "
Solids Handling	86 mm (min)	3.40 " (min)
Max Flow	850 m³/hr	3740 usgpm
Max Head	45 mtrs	148 '
Max Speed	1600 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
500 m³/hr 2200 usgpm	25 mtrs 82 '	1555 rpm	80%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	13 ltrs/hr	3.45 usgph	Standard	IEC3	
Rated Power @ BEP	42 kW	57 hp	Rated Power	55 kW	74 hp
Model	Deutz TCD2.9		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	55 kW	74 hp	Frame	250	

PERFORMANCE CURVE



PUMP SIZE

NET WEIGHT

2350 kgs
5180 lbs

L × W × H

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

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Road Trailer

2.95 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (850 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

DE500/50

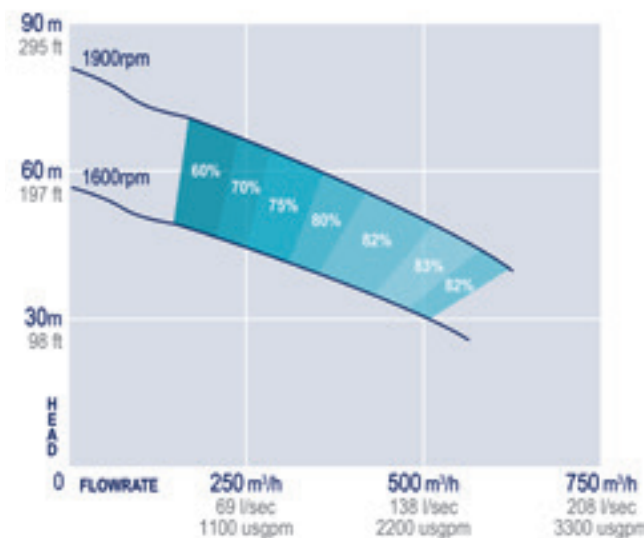


AT A GLANCE		
Suction Size	150 mm	6 "
Discharge Size	150 mm	6 "
Solids Handling	76 mm (min)	3 " (min)
Max Flow	630 m³/hr	2770 usgpm
Max Head	82 mtrs	268 '
Max Speed	1900 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
500 m³/hr 2200 usgpm	50 mtrs 164 '	1900 rpm	83%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	25 ltrs/hr	6.60 usgph	Standard	IEC3	
Rated Power @ BEP	82 kW	110 hp	Rated Power	110 kW	148 hp
Model	Deutz TCD3.6L4		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	105 kW	141 hp	Frame	315	

PERFORMANCE CURVE



PUMP SIZE

NET WEIGHT

2350 kgs
5180 lbs

L × W × H

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

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Road Trailer

4.00 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (630 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

DE500/200



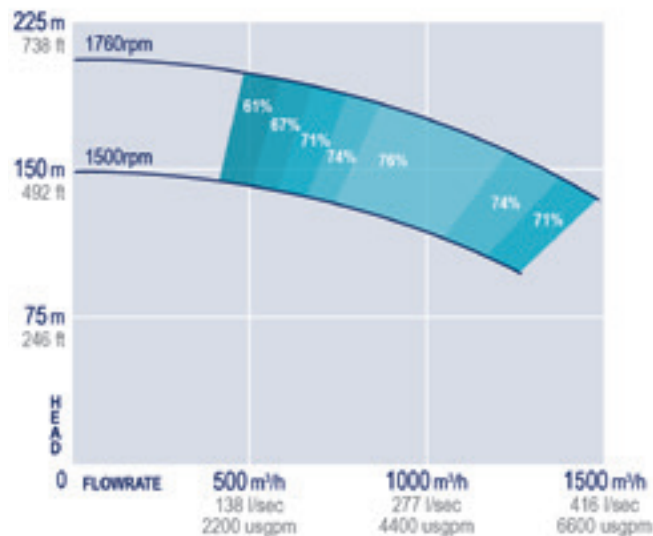
AT A GLANCE		
Suction Size	250 mm	10 "
Discharge Size	200 mm	8 "
Solids Handling	60 mm (min)	2.40 " (min)
Max Flow	1490 m ³ /hr	6550 usgpm
Max Head	205 mtrs	655 '
Max Speed	1760 rpm	

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

DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
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	



PERFORMANCE CURVE



PUMP SIZE



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

1.70 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1490 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

DE600/100



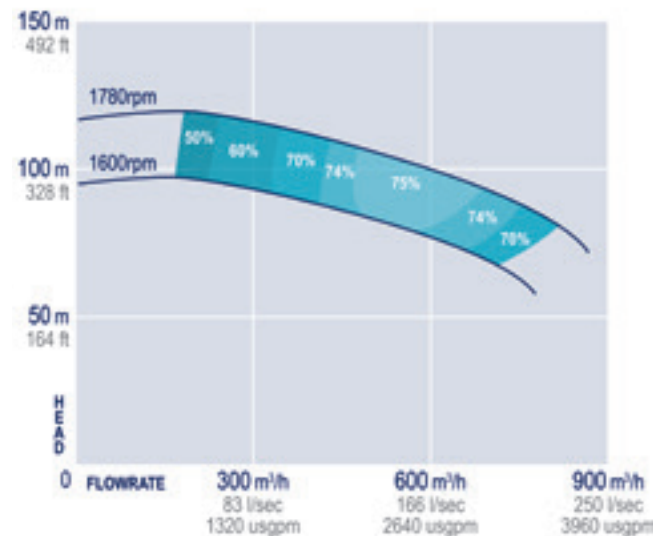
AT A GLANCE		
Suction Size	200 mm	8 "
Discharge Size	150 mm	6 "
Solids Handling	51 mm (min)	2 " (min)
Max Flow	870 m ³ /hr	3820 usgpm
Max Head	115 mtrs	385 '
Max Speed	1800 rpm	

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

DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
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	

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

PERFORMANCE CURVE



PUMP SIZE

NET WEIGHT

4100 kgs
9038 lbs

L × W × H

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

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

2.90 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (870 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

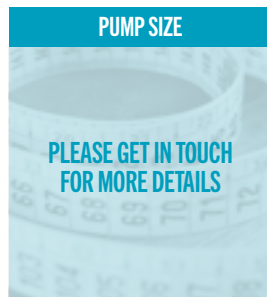
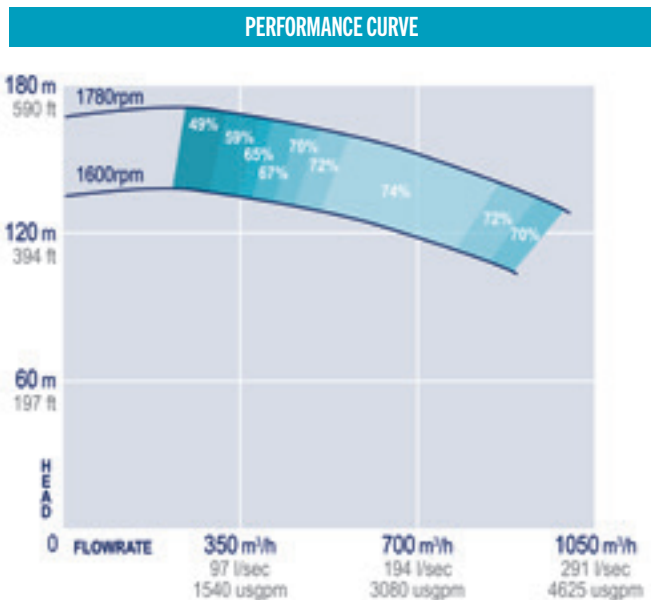
DE600/160



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

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

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	117 ltrs/hr	30.90 usgph	Standard	IEC3	
Rated Power @ BEP	395 kW	530 hp	Rated Power	500 kW	671 hp
Model	CAT C18TTA		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	500 kW	671 hp	Frame	355 A/B	



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

2.50 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1015 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

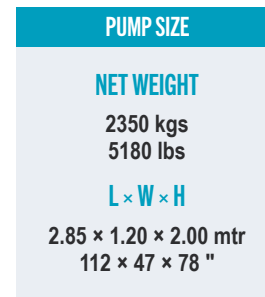
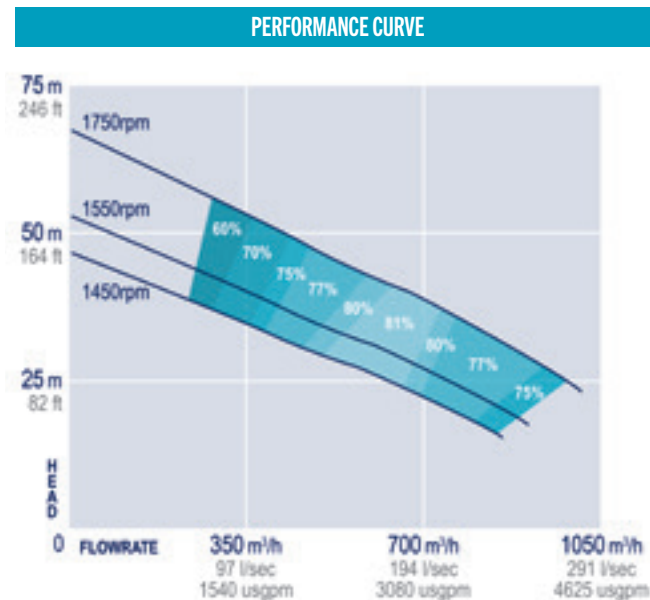
DE750/25



AT A GLANCE		
Suction Size	200 mm	8 "
Discharge Size	200 mm	8 "
Solids Handling	86 mm (min)	3.40 " (min)
Max Flow	1000 m ³ /hr	4400 usgpm
Max Head	68 mtrs	223 '
Max Speed	1750 rpm	

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

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	19 ltrs/hr	5.00 usgph	Standard	IEC3	
Rated Power @ BEP	64 kW	86 hp	Rated Power	110 kW	148 hp
Model	Deutz TCD3.6L4		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	105 kW	141 hp	Frame	315	



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

2.50 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1000 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

DE750/50

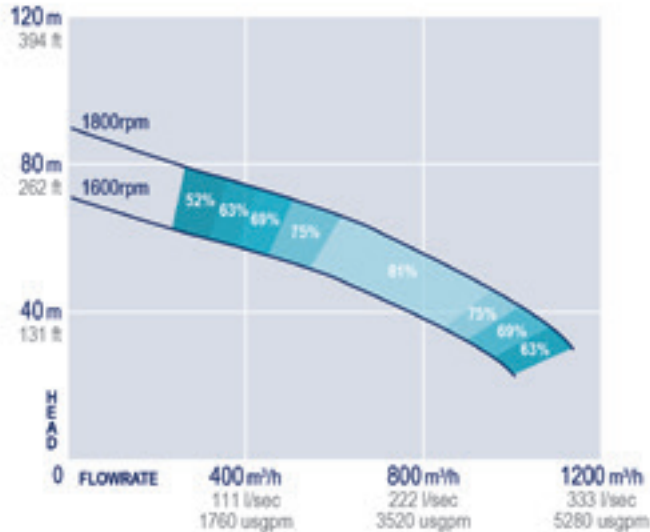


AT A GLANCE		
Suction Size	250 mm	10 "
Discharge Size	200 mm	8 "
Solids Handling	86 mm (min)	3.40 " (min)
Max Flow	1100 m ³ /hr	4840 usgpm
Max Head	90 mtrs	295 '
Max Speed	1800 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
765 m ³ /hr 3365 usgpm	57 mtrs 187 '	1800 rpm	81%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	44 ltrs/hr	11.60 usgph	Standard	IEC3	
Rated Power @ BEP	125 kW	168 hp	Rated Power	185 kW	248 hp
Model	Deutz TCD6.1L4		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	180 kW	241 hp	Frame	315	

PERFORMANCE CURVE



PUMP SIZE

NET WEIGHT

3750 kgs
8265 lbs

L × W × H

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

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

2.30 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1100 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

DE750/150



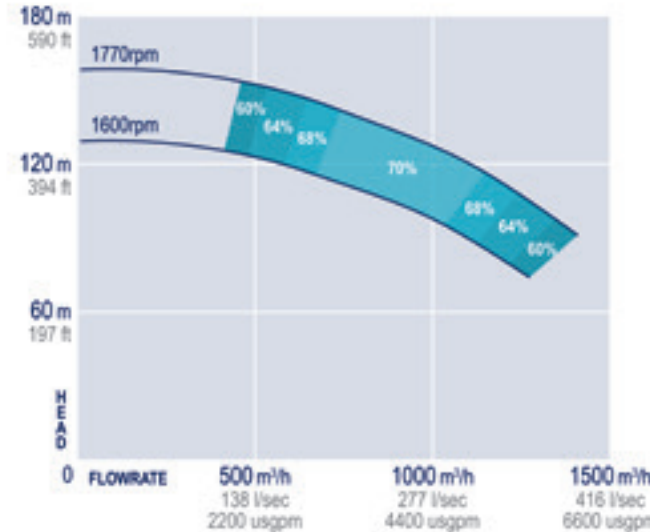
AT A GLANCE		
Suction Size	250 mm	10 "
Discharge Size	200 mm	8 "
Solids Handling	60 mm (min)	2.40 " (min)
Max Flow	1435 m ³ /hr	6310 usgpm
Max Head	164 mtrs	538 '
Max Speed	1800 rpm	

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

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	149 ltrs/hr	39.40 usgph	Standard	IEC3	
Rated Power @ BEP	498 kW	668 hp	Rated Power	185 kW	248 hp
Model	CAT C27		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	600 kW	805 hp	Frame	315	



PERFORMANCE CURVE



PUMP SIZE



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

1.75 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1435 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

DE750/200



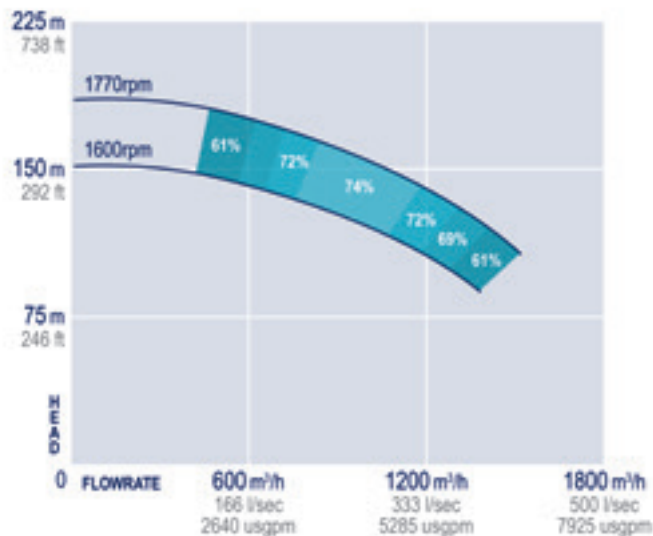
AT A GLANCE		
Suction Size	250 mm	10 "
Discharge Size	200 mm	8 "
Solids Handling	60 mm (min)	2.40 " (min)
Max Flow	1640 m ³ /hr	7220 usgpm
Max Head	213 mtrs	699 '
Max Speed	1900 rpm	

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

DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
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	



PERFORMANCE CURVE



PUMP SIZE



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

1.55 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1640 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

DE900/90



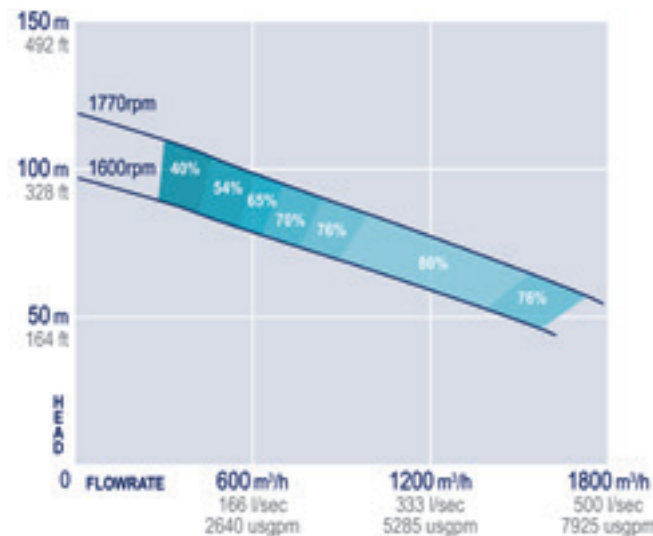
AT A GLANCE		
Suction Size	250 mm	10 "
Discharge Size	200 mm	8 "
Solids Handling	102 mm (min)	4 " (min)
Max Flow	1830 m ³ /hr	8060 usgpm
Max Head	123 mtrs	404 '
Max Speed	1800 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
900 m ³ /hr 3960 usgpm	90 mtrs 295 '	1800 rpm	71%

DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
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	

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

PERFORMANCE CURVE



PUMP SIZE

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

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

1.35 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1830 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

DE1000/50

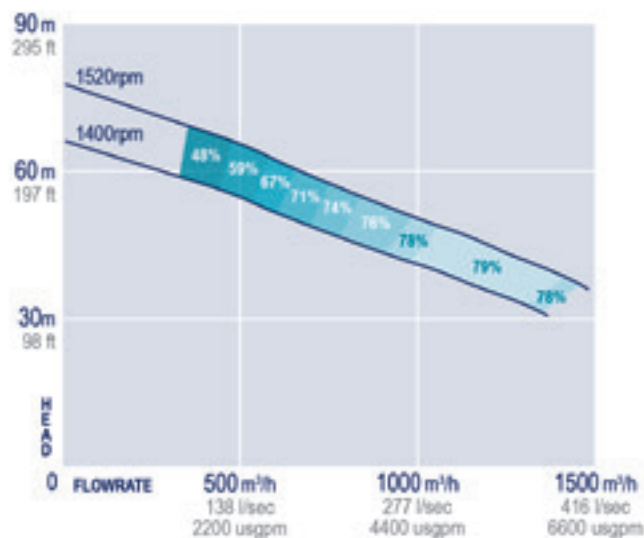


AT A GLANCE		
Suction Size	250 mm	10 "
Discharge Size	250 mm	10 "
Solids Handling	86 mm (min)	3.40 " (min)
Max Flow	1500 m ³ /hr	6600 usgpm
Max Head	77 mtrs	254 '
Max Speed	1520 rpm	

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

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	52 ltrs/hr	13.75 usgph	Standard	IEC3	
Rated Power @ BEP	172 kW	231 hp	Rated Power	250 kW	335 hp
Model	Deutz TCD7.8L6		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	260 kW	348 hp	Frame	315 L	

PERFORMANCE CURVE



1.70 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1500 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

PUMP SIZE

NET WEIGHT

4100 kgs
9040 lbs

L × W × H

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

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

DE1000/150



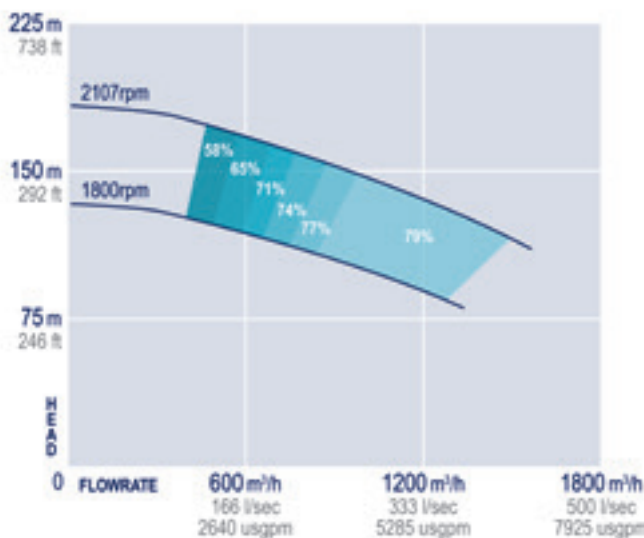
AT A GLANCE		
Suction Size	250 mm	10 "
Discharge Size	200 mm	8 "
Solids Handling	62 mm (min)	2.45 " (min)
Max Flow	1550 m ³ /hr	6820 usgpm
Max Head	181 mtrs	594 '
Max Speed	2100 rpm	

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

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	148 ltrs/hr	39.10 usgph	Standard	IEC3	
Rated Power @ BEP	489 kW	656 hp	Rated Power	597 kW	801 hp
Model	CAT C27		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	597 kW	801 hp	Frame	315 L	



PERFORMANCE CURVE



1.60 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1550 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

PUMP SIZE

PLEASE GET IN TOUCH FOR MORE DETAILS

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

DE1000/200



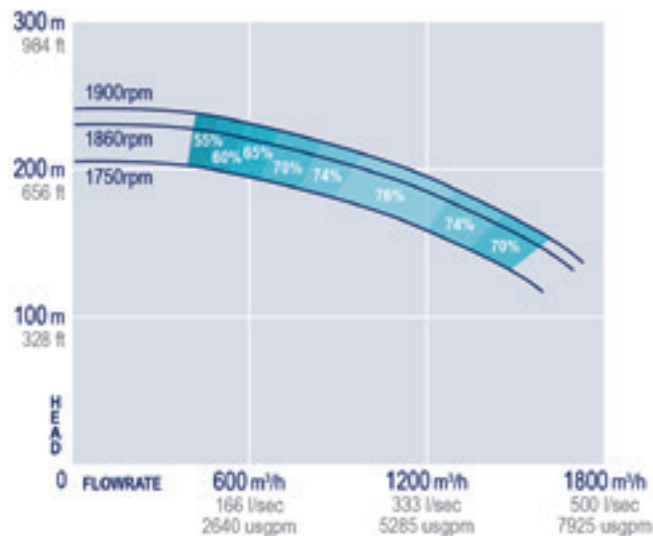
AT A GLANCE		
Suction Size	250 mm	10 "
Discharge Size	200 mm	8 "
Solids Handling	60 mm (min)	2.40 " (min)
Max Flow	1700 m ³ /hr	7490 usgpm
Max Head	240 mtrs	787 '
Max Speed	1860 rpm	

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

DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
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	



PERFORMANCE CURVE



PUMP SIZE



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

1.45 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1700 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

DE2500/20



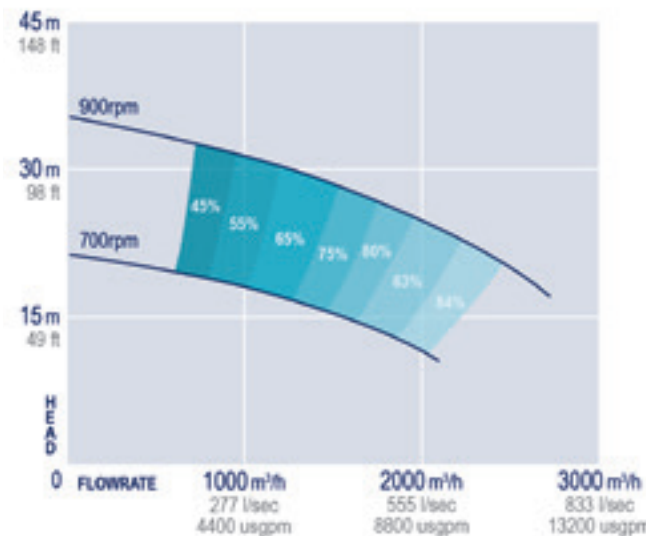
AT A GLANCE		
Suction Size	450 mm	18 "
Discharge Size	450 mm	18 "
Solids Handling	114 mm (min)	4.50 " (min)
Max Flow	2700 m ³ /hr	11890 usgpm
Max Head	35 mtrs	115 '
Max Speed	900 rpm	

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

DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
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	

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

PERFORMANCE CURVE (FOR GUIDANCE ONLY)



PUMP SIZE

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

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

0.90 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (2700 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

SAND & SLURRY



SIZES 50MM TO 200MM IN EITHER OPEN OR ENCLOSED CANOPIES

...

FLOWS UP TO 1400M³/HR OR 5000USGPM

...

PRESSURES UP TO 16BAR OR 500 FEET IN REDI-PRIME[®] CONFIGURATION

...

EFFICIENCIES UP TO 78%

...

SOLIDS HANDLING UP TO 76MM OR 3 INCHES

...

STAGE 5 EMISSION COMPLIANT ENGINES AND IEC3/4 EFFICIENT MOTORS



DXB'S SAND & SLURRY PUMPS COMBINE HIGH EFFICIENCY IMPELLERS AND THE PATENTED CYCLOSEAL[®] MECHANICAL SEAL TECHNOLOGY.

Designed using almost 30 years of experience the DXB Pump and Power slurry pumpsets uses the MP & SM range of mining and quarrying pumps. With flows up to 1400m³/hr and pressures up to 15 bar with efficiencies up to 78% whilst still passing solids up to 75mm.

Configured to be mounted in the DXB designed, sound attenuated, fully banded canopies, all pumpsets come with the patented Cycloseal[®] technology & hardened materials of construction as standard.

The range of pumps from 50mm to 200mm provide suitable performance for applications as diverse as bentonite pumping for drilling rigs and tunnel boring machines and when manufactured with Stage 5 emission compliant engines or IEC3 motors are perfect for sites in cities where reduced noise and environmental pollution are critical to site owners.

For open mining and quarrying applications, the DXB Pump & Power sand and slurry pumpsets are completely suitable for applications where high solids content pumping is seen such as silt return pumps, silt management systems and process plants for sand and gravel washing.

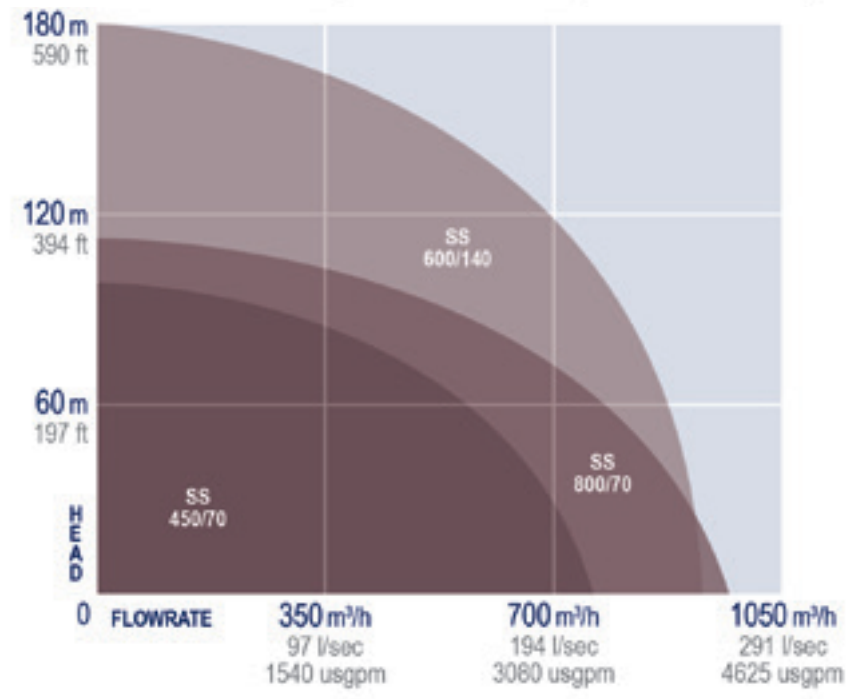
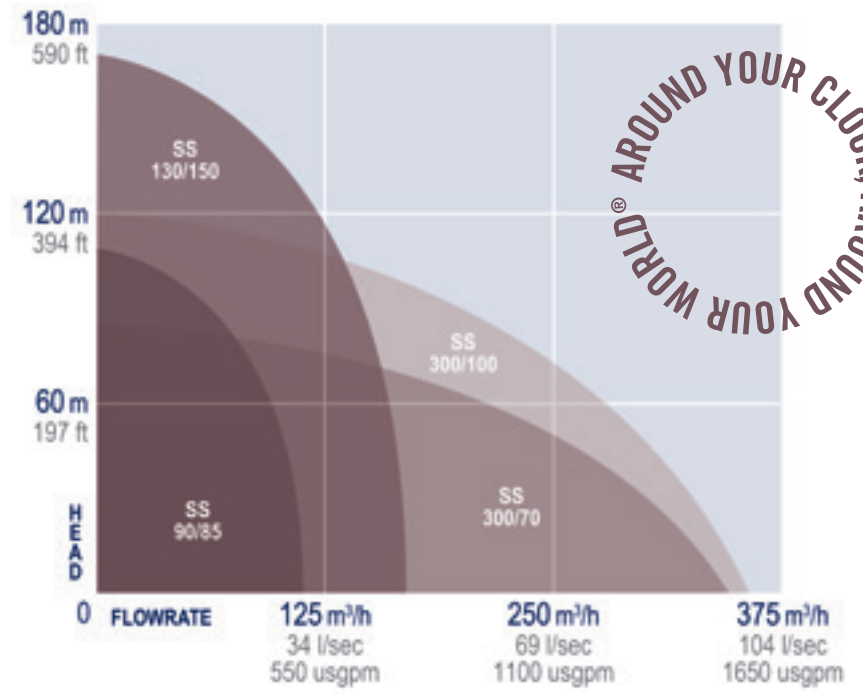


SAND & SLURRY RANGE

		Max Flow	Max Head
p66	SS90/85	110 m³/h	110 m
p67	SS130/150	190 m³/h	170 m
p68	SS300/70	350 m³/h	84 m
p69	SS300/100	360 m³/h	120 m
p70	SS450/70	730 m³/h	96 m
p71	SS600/140	930 m³/h	180 m
p72	SS800/70	970 m³/h	112 m

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

EXCELLING IN THE FOLLOWING MARKETS...



AROUND YOUR CLOCK, AROUND YOUR WORLD®

SS90/85



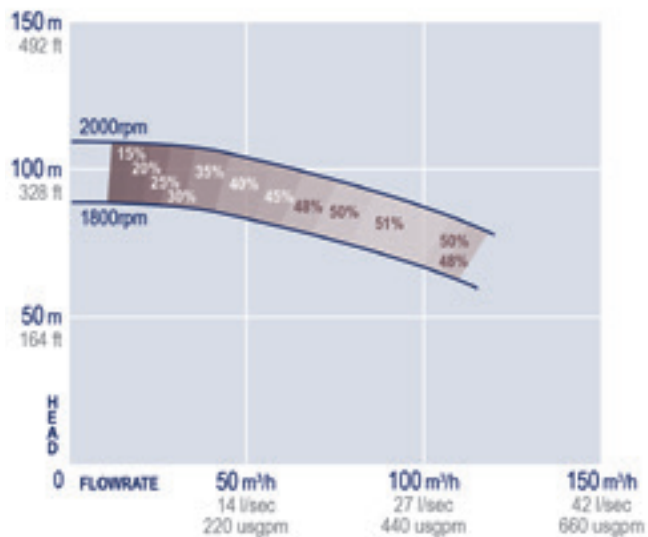
SLURRY

AT A GLANCE		
Suction Size	80 mm	3"
Discharge Size	50 mm	2"
Solids Handling	13 mm (min)	0.50" (min)
Max Flow	110 m³/hr	485 usgpm
Max Head	110 mtrs	361'
Max Speed	2000 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
95 m³/hr 410 usgpm	88 mtrs 289'	2000 rpm	52%

DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz
Fuel Burn/hr @ BEP	12 ltrs/hr	3.20 usgph	Standard	IEC3
Rated Power @ BEP	43 kW	58 hp	Rated Power	55 kW 74 hp
Model	Deutz TCD2.9		Enclosure	TEFC
Emissions	EU Stage V		Nominal Speed	1500 rpm
Max Power	55 kW	74 hp	Frame	250

PERFORMANCE CURVE



PUMP SIZE

NET WEIGHT

**2350 kgs
5180 lbs**

L × W × H

**2.85 × 1.20 × 2.00 mtr
112 × 47 × 78"**

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Road Trailer

22.30 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (110 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

SS130/150



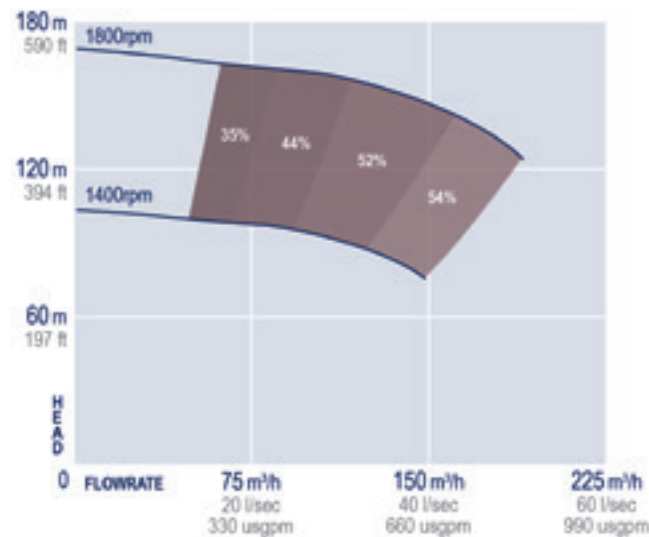
SLURRY

AT A GLANCE		
Suction Size	150 mm	6"
Discharge Size	80 mm	3"
Solids Handling	22 mm (min)	0.90" (min)
Max Flow	190 m³/hr	840 usgpm
Max Head	170 mtrs	558'
Max Speed	1800 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
130 m³/hr 572 usgpm	150 mtrs 492'	1800 rpm	54%

DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz
Fuel Burn/hr @ BEP	30 ltrs/hr	7.90 usgph	Standard	IEC3
Rated Power @ BEP	98 kW	131 hp	Rated Power	110 kW 148 hp
Model	Deutz TCD3.6L4		Enclosure	TEFC
Emissions	EU Stage V		Nominal Speed	1500 rpm
Max Power	105 kW	141 hp	Frame	315

PERFORMANCE CURVE



PUMP SIZE

NET WEIGHT

**2350 kgs
5180 lbs**

L × W × H

**2.85 × 1.20 × 2.00 mtr
112 × 47 × 78"**

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Road Trailer

13.15 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (190 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

SS300/70

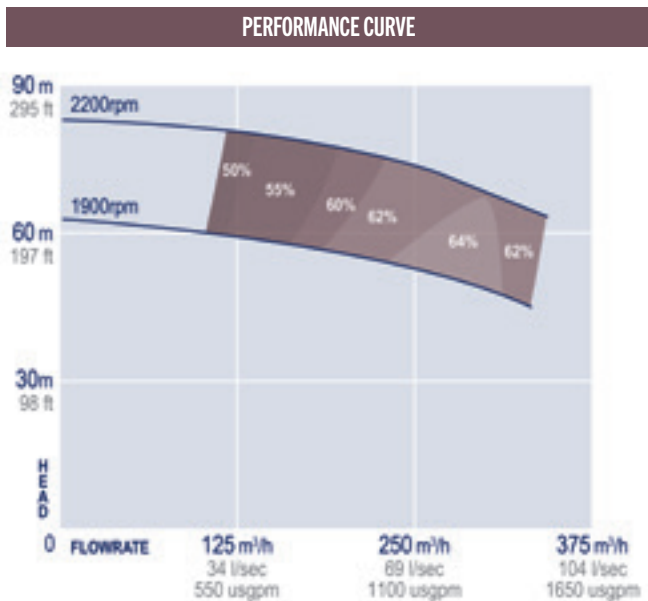


SLURRY

AT A GLANCE		
Suction Size	100 mm	4 "
Discharge Size	75 mm	3 "
Solids Handling	28 mm (min)	1.10 " (min)
Max Flow	350 m³/hr	1540 usgpm
Max Head	84 mtrs	276 '
Max Speed	2200 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
300 m³/hr 1320 usgpm	70 mtrs 230 '	2200 rpm	64%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	27 ltrs/hr	7.15 usgph	Standard	IEC3	
Rated Power @ BEP	87 kW	117 hp	Rated Power	110 kW	148 hp
Model	Deutz TCD3.6L4		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	105 kW	141 hp	Frame	315	



PUMP SIZE
NET WEIGHT
2350 kgs 5180 lbs
L × W × H
2.85 × 1.20 × 2.00 mtr 112 × 47 × 78 "

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Road Trailer

7.25 HOURS To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (350 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

SS300/100

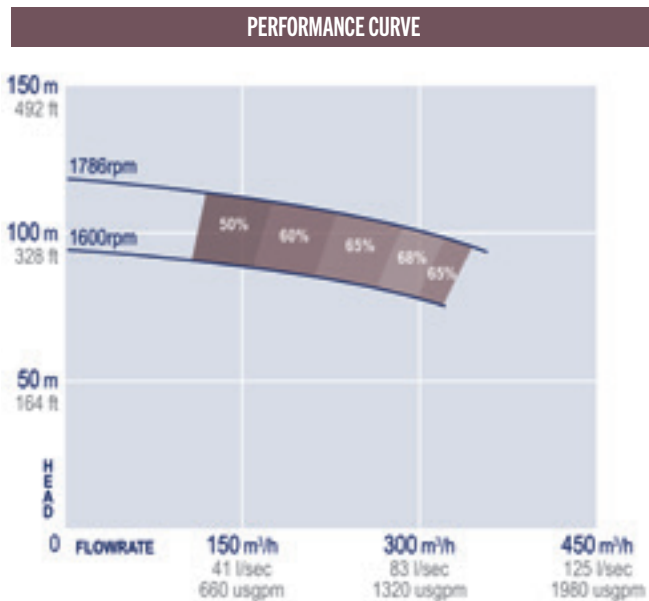


SLURRY

AT A GLANCE		
Suction Size	125 mm	5 "
Discharge Size	100 mm	4 "
Solids Handling	76 mm (min)	3 " (min)
Max Flow	360 m³/hr	1585 usgpm
Max Head	120 mtrs	394 '
Max Speed	1800 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
300 m³/hr 1320 usgpm	100 mtrs 328 '	1800 rpm	69%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	36 ltrs/hr	9.50 usgph	Standard	IEC3	
Rated Power @ BEP	122 kW	164 hp	Rated Power	185 kW	248 hp
Model	Deutz TCD6.1L4		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	180 kW	241 hp	Frame	315	



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

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

6.95 HOURS To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (360 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

SS450/70

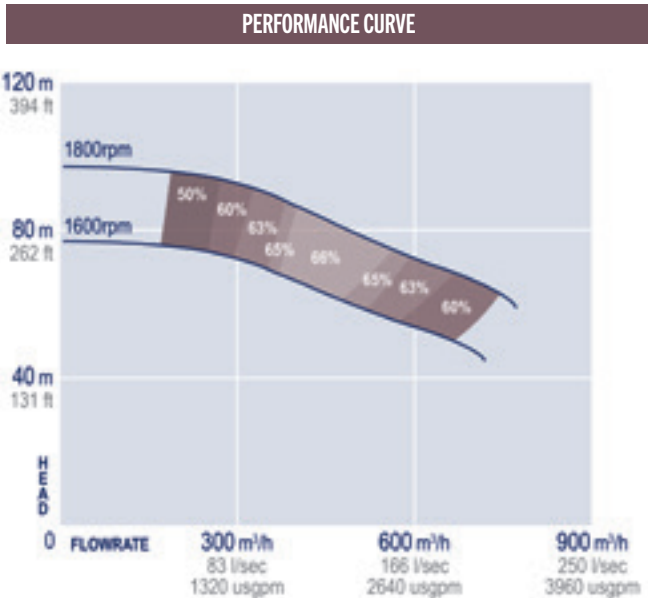


SLURRY

AT A GLANCE		
Suction Size	150 mm	6"
Discharge Size	100 mm	4"
Solids Handling	51 mm (min)	2" (min)
Max Flow	730 m³/hr	3200 usgpm
Max Head	96 mtrs	315'
Max Speed	1800 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
460 m³/hr 2010 usgpm	79 mtrs 259'	1800 rpm	67%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	44 ltrs/hr	11.60 usgph	Standard	IEC3	
Rated Power @ BEP	147 kW	197 hp	Rated Power	315 kW	422 hp
Model	Scania DC13		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	300 kW	402 hp	Frame	355	



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

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

3.50 HOURS To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (730 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

SS600/140

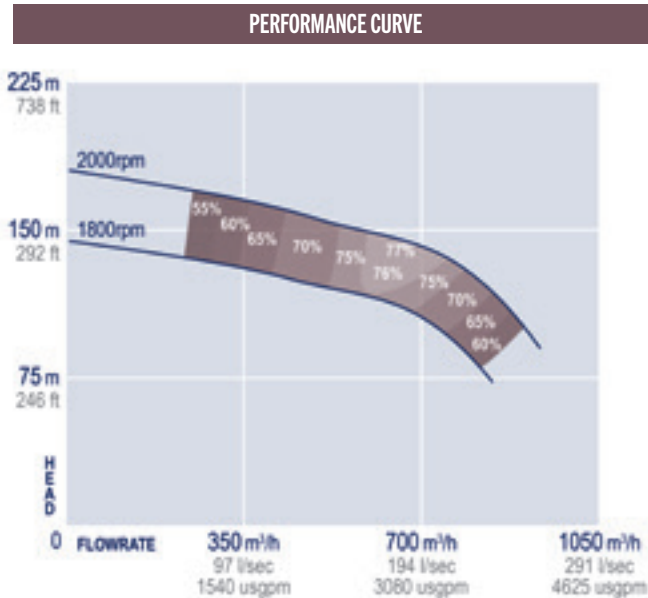


SLURRY

AT A GLANCE		
Suction Size	200 mm	8"
Discharge Size	150 mm	6"
Solids Handling	51 mm (min)	2" (min)
Max Flow	930 m³/hr	4100 usgpm
Max Head	180 mtrs	591'
Max Speed	2000 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
600 m³/hr 2640 usgpm	140 mtrs 459'	2000 rpm	77%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	89 ltrs/hr	23.50 usgph	Standard	IEC3	
Rated Power @ BEP	341 kW	457 hp	Rated Power	450 kW	603 hp
Model	Scania DC16		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	400 kW	536 hp	Frame	355 A/B	



PUMP SIZE
NET WEIGHT
7000 kgs 15430 lbs
L × W × H
5.00 × 2.15 × 2.25 mtr 197 × 85 × 89"

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

2.70 HOURS To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (930 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

SS800/70



SLURRY

AT A GLANCE

Suction Size	250 mm	10 "
Discharge Size	150 mm	6 "
Solids Handling	86 mm (min)	3.40 " (min)
Max Flow	970 m³/hr	4270 usgpm
Max Head	112 mtrs	367 '
Max Speed	1800 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
970 m³/hr 4260 usgpm	70 mtrs 230 '	1800 rpm	80%

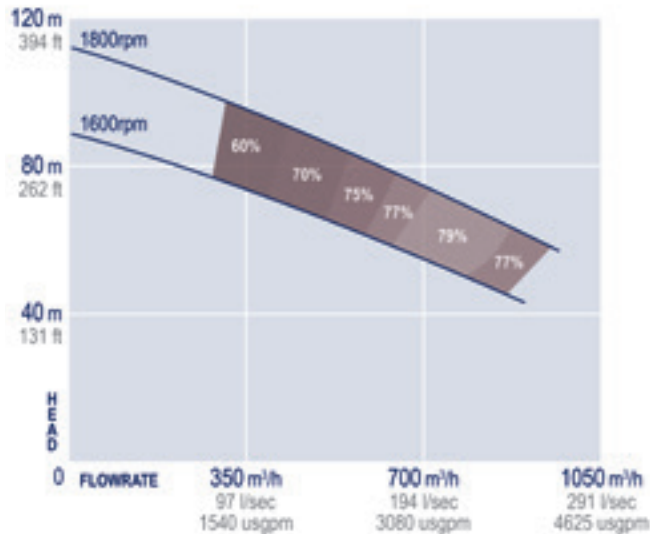
DIESEL ENGINE SPECIFICATION

CHOOSE

ELECTRIC MOTOR SPECIFICATION

Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	57 ltrs/hr	15.00 usgph	Standard	IEC3	
Rated Power @ BEP	188 kW	252 hp	Rated Power	315 kW	422 hp
Model	Scania DC13		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	300 kW	402 hp	Frame	355	

PERFORMANCE CURVE



PUMP SIZE

NET WEIGHT

7000 kgs
15430 lbs

L × W × H

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

EXTRAS

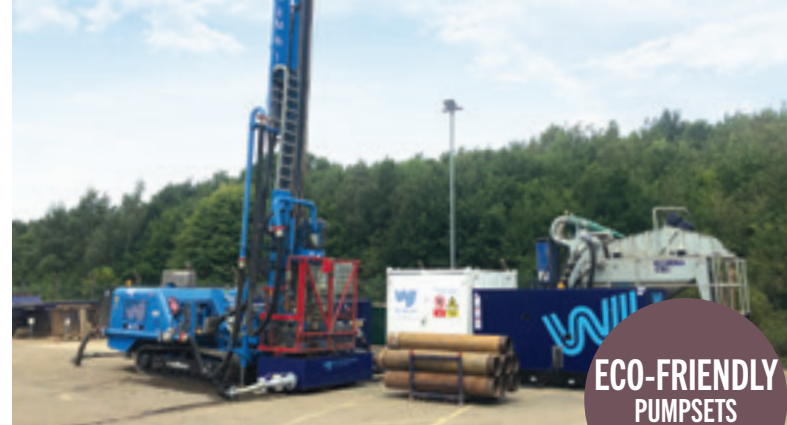
As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

2.60 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (970 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY



ECO-FRIENDLY PUMPSETS REQUIRED

WJ DEWATERING – LONDON, UK

DXB Pump & Power were invited by the UK's market leading ground water management company to tender for the supply of Stage 5 emission compliant pumpsets for use in Ultra Low Emission Zone regions (ULEZ) like London where stringent regulations exist to ensure construction plant is as environmentally friendly as possible on urban sites.



DXB Pump & Power won the project and set about designing the most environmental pumps for drilling muds, slurries and other abrasive pumpages found on construction sites around the world.

Combining the world class Cornell MP 150mm slurry pump with a Stage 5 emission compliant 180kW Deutz engine, DXB Pump designed the quietest and cleanest pumpset on the European market today capable of pumping slurries and muds up to 350m³/hr at pressures up to 10 bar or more, yet operating at no more than a very economical 1800rpm speed.

In addition, DXB also designed and manufactured an identical, electric pumpset with the same performance and capabilities as the diesel unit.



GASE STUDY

SAND & SLURRY

GENERAL INDUSTRY



SIZES 50MM TO 200MM
IN EITHER OPEN OR
ENCLOSED CANOPIES

...

FLOWS UP TO 930M³/HR
OR 4100USGPM

...

PRESSURES UP TO
20BAR (650') IN
REDI-PRIME[®]
CONFIGURATION

...

EFFICIENCIES
UP TO 79%

...

SOLIDS HANDLING UP
TO 50MM (2')

...

STAGE 5 EMISSION
COMPLIANT ENGINES
AND IEC3/4
EFFICIENT MOTORS



THE PUMPSETS OFFERED BY DXB FOR INDUSTRIAL APPLICATIONS ARE BASED ON EXTENSIVE, HARD-WON EXPERIENCE IN THE OIL & GAS AND RENTAL MARKETS.

With a range of pumps from 50mm to 450mm in size considered standard products, the available performance of flows up to 3000m³/hr and pressures to 25 bar are second to none in the portable Redi-Prime[®] markets.

Used by specialist pump hire companies around the world, the DXB range of portable pumps include those built in stainless steel for corrosive applications, hard iron for slurry and abrasive pumping and finally ductile iron with CA6NM stainless steel impellers for standard applications such as tank filling, pipeline testing and storage-tank cleaning.

Designed for the pump hire markets around the world, all pumpsets up to 300mm in size come complete with integrated SAE mounting to the engine ensuring alignment and speedy maintenance on the pumpsets underlining the demand for low downtime and high utilisation of the equipment.

Run-Dry[™] mechanicals seals, 50cfm priming systems and superior materials of construction ensure the ruggedness of design combined with compact and innovative assembly means no other pumpsets are capable of such high performance with such low emissions and overall size or weight-critical for rental in confined space or reduced site sizes.

All DXB Pump & Power pumpsets, up to 450mm in size, are designed to be shipped in standard ISO containers or, if needed, can even be airfreighted in standard cargo planes at short notice to anywhere in the world, which is something no other manufacturer offers in terms of product performance and flexibility.



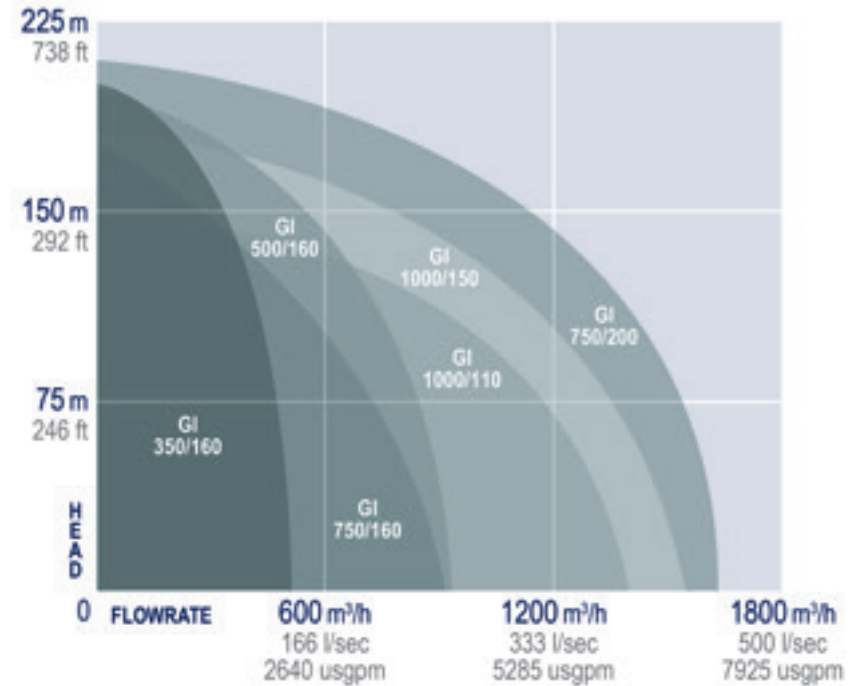
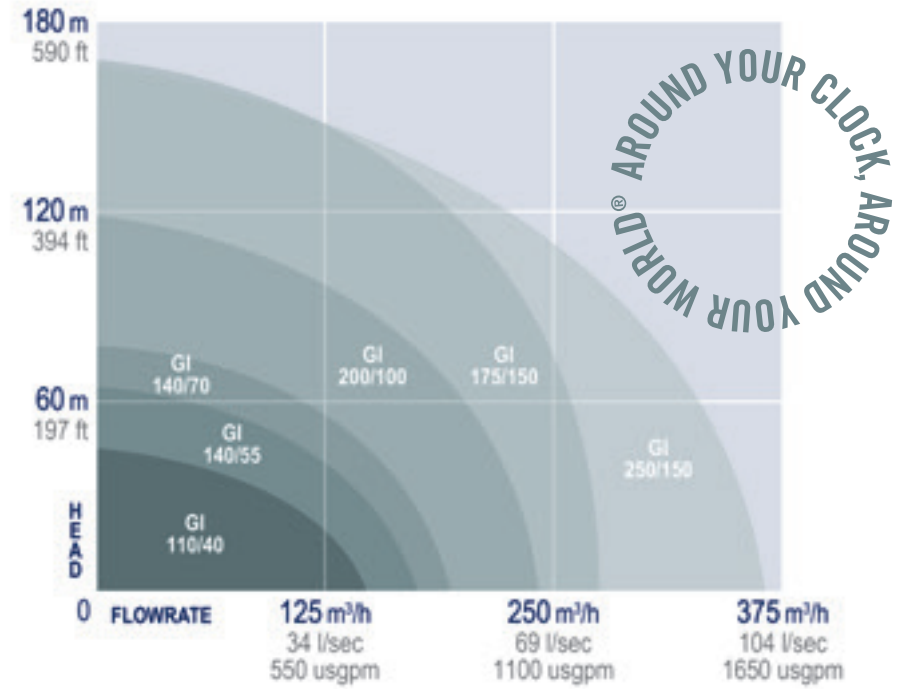
INDUSTRY RANGE

GENERAL

		Max Flow	Max Head
p80	GI100/40	150 m³/h	45 m
p81	GI140/55	170 m³/h	64 m
p82	GI140/70	190 m³/h	77 m
p83	GI175/150	270 m³/h	168 m
p84	GI200/100	230 m³/h	118 m
p85	GI250/150	350 m³/h	166 m
p86	GI350/160	510 m³/h	198 m
p87	GI500/160	930 m³/h	190 m
p90	GI750/160	920 m³/h	176 m
p91	GI750/200	1640 m³/h	213 m
p92	GI1000/110	1400 m³/h	146 m
p93	GI1000/150	1550 m³/h	181 m

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

EXCELLING IN THE FOLLOWING MARKETS...



CASE STUDY

MIDDLE EAST OIL COMPANY

DXB Pump & Power was approached by a European OEM that designs and manufactures high pressure crude oil storage tank equipment to design and manufacture a pumpset capable of almost 700m³/hr at 10 bar for use in their own “Tanksweep” system.



Based on its own DXB7 open frame design, the pumpset utilised a Scania Stage 2500kW 16 litre engine driving a Cornell 10x8 pump with a solids handling capability of over 50mm through its high efficiency impeller design and a maximum flow out put of over 1200m³/hr.

Designed and manufactured with RIGSAFE technology, the DXB pumpset used an emergency air shutdown valve and industry standard spark arresting exhaust from its usual UK suppliers to design and build the pumpset in under 8 weeks ensuring that the customer was able to ship the entire system to the Gulf region in time for the planned shutdown on site.

Incorporating an integrated fuel tank with 900 litres capacity and a drag skid with integrated forklift pockets and lifting eyes, the portable pumpset was one of the very first 500kW pumpsets built by DXB Pump & Power for these applications and has now gone on to become a standard for this OEM as its global business continually grows.



CLIENT REQUIREMENTS:

FLOW RATE OVER
700 M³/HR

PRESSURE UP TO
10 BAR

DESIGN & BUILD
UNDER 8
WEEKS

THE PORTABLE PUMPSET WAS ONE OF THE VERY FIRST 500KW PUMPSETS BUILT BY DXB PUMP FOR THESE APPLICATIONS AND HAS NOW GONE ON TO BECOME A STANDARD FOR THIS OEM AS ITS GLOBAL BUSINESS CONTINUALLY GROWS.

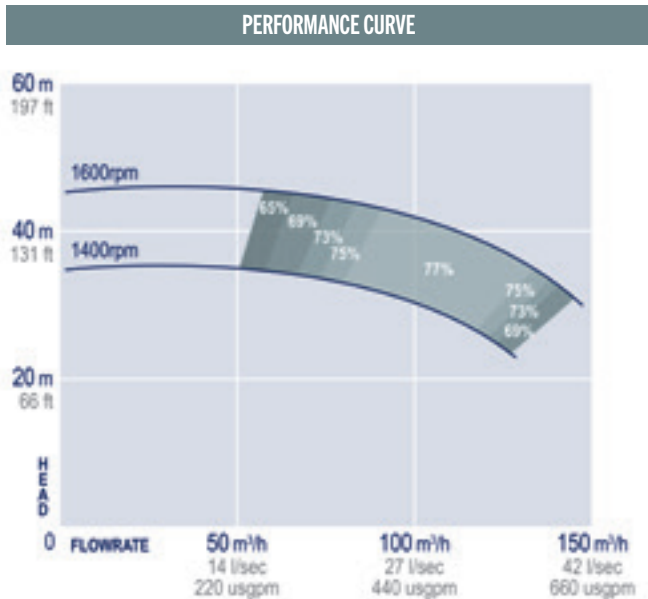
GI110/40



AT A GLANCE		
Suction Size	125 mm	5 "
Discharge Size	80 mm	3 "
Solids Handling	13 mm (min)	0.50 " (min)
Max Flow	150 m³/hr	660 usgpm
Max Head	45 mtrs	148 '
Max Speed	1600 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
110 m³/hr 480 usgpm	40 mtrs 131 '	1600 rpm	79%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	5 ltrs/hr	1.30 usgph	Standard	IEC3	
Rated Power @ BEP	15 kW	20 hp	Rated Power	18 kW	25 hp
Model	Deutz D2.2		Enclosure	TEFC	
Emissions	Stage V		Nominal Speed	1500 rpm	
Max Power	18 kW	24 hp	Frame	180 M	



PUMP SIZE
NET WEIGHT
1380 kgs 3050 lbs
L × W × H
2.10 × 0.95 × 1.70 mtr 82 × 37 × 68 "

- EXTRAS**
- As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:
- Hoses & Accessories
 - Satellite Telemetry
 - Spark Arrestor
 - Shut-Down Valve
 - Road Trailer

17.00 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (150 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

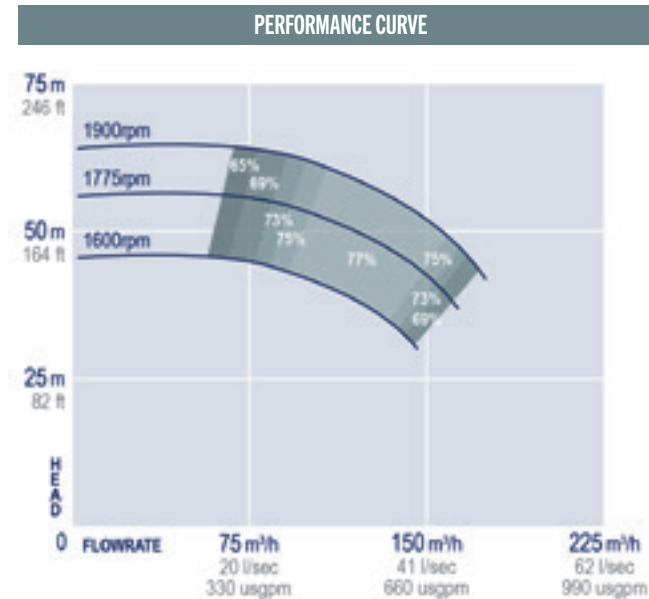
GI140/55



AT A GLANCE		
Suction Size	125 mm	5 "
Discharge Size	80 mm	3 "
Solids Handling	13 mm (min)	0.50 " (min)
Max Flow	170 m³/hr	750 usgpm
Max Head	64 mtrs	210 '
Max Speed	1900 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
55 m³/hr 240 usgpm	140 mtrs 460 '	1900 rpm	79%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	8 ltrs/hr	2.10 usgph	Standard	IEC3	
Rated Power @ BEP	26 kW	45 hp	Rated Power	55 kW	74 hp
Model	Deutz TD2.9		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	55 kW	74 hp	Frame	250	



PUMP SIZE
NET WEIGHT
2350 kgs 5180 lbs
L × W × H
2.85 × 1.20 × 2.00 mtr 112 × 47 × 78 "

- EXTRAS**
- As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:
- Hoses & Accessories
 - Satellite Telemetry
 - Spark Arrestor
 - Shut-Down Valve
 - Road Trailer

14.25 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (170 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

GI140/70

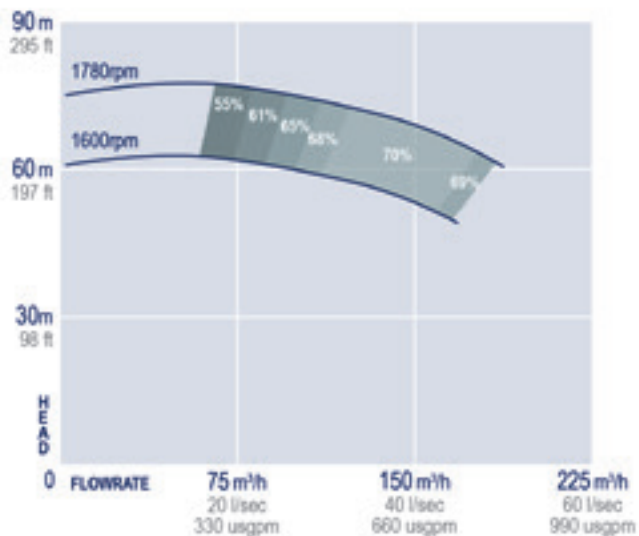


AT A GLANCE		
Suction Size	150 mm	6 "
Discharge Size	80 mm	3 "
Solids Handling	13 mm (min)	0.50 " (min)
Max Flow	190 m³/hr	840 usgpm
Max Head	77 mtrs	253 '
Max Speed	1800 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
150 m³/hr 670 usgpm	71 mtrs 233 '	1800 rpm	72%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	12 ltrs/hr	3.20 usgph	Standard	IEC3	
Rated Power @ BEP	41 kW	55 hp	Rated Power	55 kW	74 hp
Model	Deutz TD2.9		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	55 kW	74 hp	Frame	250	

PERFORMANCE CURVE



PUMP SIZE

NET WEIGHT
2350 kgs
5180 lbs

L × W × H
2.85 × 1.20 × 2.00 mtr
112 × 47 × 78 "

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Road Trailer

13.25 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (190 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

GI175/150

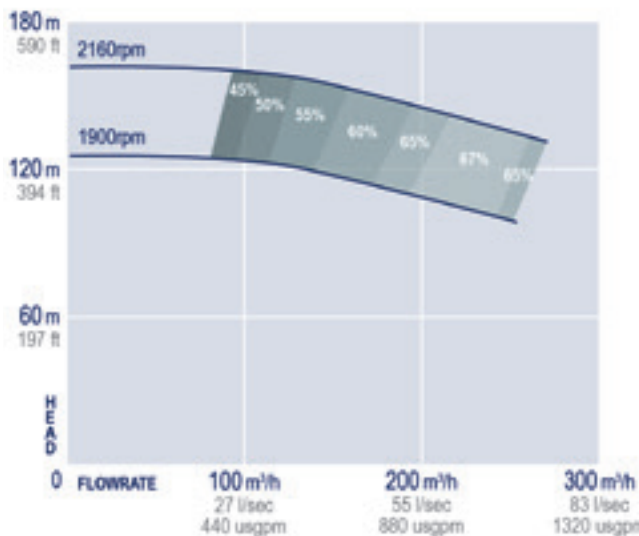


AT A GLANCE		
Suction Size	150 mm	6 "
Discharge Size	80 mm	3 "
Solids Handling	19 mm (min)	0.75 " (min)
Max Flow	270 m³/hr	1200 usgpm
Max Head	168 mtrs	512 '
Max Speed	2200 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
180 m³/hr 790 usgpm	156 mtrs 512 '	2200 rpm	62%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	37 ltrs/hr	9.80 usgph	Standard	IEC3	
Rated Power @ BEP	121 kW	162 hp	Rated Power	185 kW	248 hp
Model	Deutz TCD6.1L4		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	180 kW	241 hp	Frame	315	

PERFORMANCE CURVE



PUMP SIZE

NET WEIGHT
3750 kgs
8270 lbs

L × W × H
3.70 × 1.40 × 2.00 mtr
146 × 55 × 80 "

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

9.10 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (270 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

GI200/100

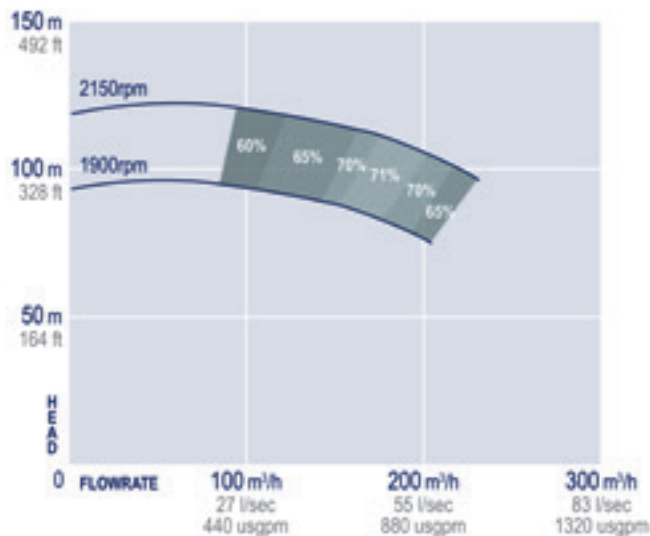


AT A GLANCE		
Suction Size	150 mm	6 "
Discharge Size	80 mm	3 "
Solids Handling	13 mm (min)	0.50 " (min)
Max Flow	230 m³/hr	1020 usgpm
Max Head	118 mtrs	387 '
Max Speed	2150 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
190 m³/hr 830 usgpm	108 mtrs 354 '	2150 rpm	71%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	23 ltrs/hr	6.10 usgph	Standard	IEC3	
Rated Power @ BEP	78 kW	105 hp	Rated Power	110 kW	148 hp
Model	Deutz TCD3.6L4		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	105 kW	141 hp	Frame	315	

PERFORMANCE CURVE



PUMP SIZE

NET WEIGHT

**2350 kgs
5180 lbs**

L × W × H

**2.85 × 1.20 × 2.00 mtr
112 × 47 × 78 "**

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Road Trailer

10.80 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (230 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

GI250/150

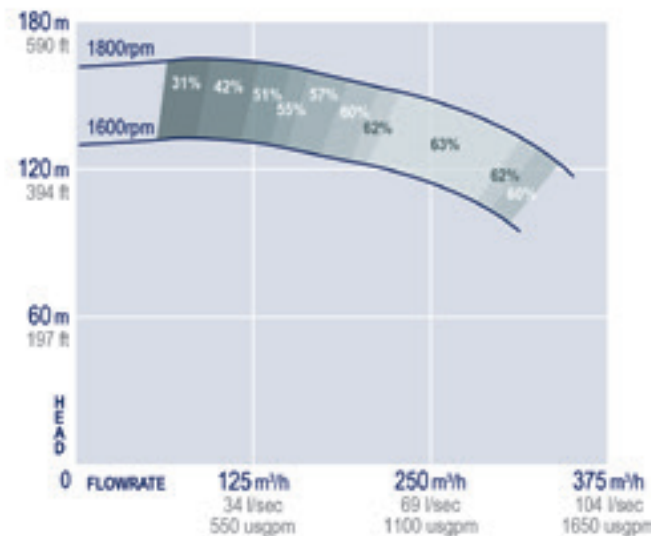


AT A GLANCE		
Suction Size	150 mm	6 "
Discharge Size	100 mm	4 "
Solids Handling	25 mm (min)	1 " (min)
Max Flow	350 m³/hr	1540 usgpm
Max Head	166 mtrs	545 '
Max Speed	1800 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
280 m³/hr 1230 usgpm	148 mtrs 486 '	1800 rpm	65%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	51 ltrs/hr	13.50 usgph	Standard	IEC3	
Rated Power @ BEP	172 kW	231 hp	Rated Power	250 kW	335 hp
Model	Deutz TCD7.8L6		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	225 kW	302 hp	Frame	315 L	

PERFORMANCE CURVE



PUMP SIZE

NET WEIGHT

**4100 kgs
9040 lbs**

L × W × H

**4.25 × 1.60 × 2.20 mtr
167 × 63 × 87 "**

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

7.00 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (350 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

GI350/160

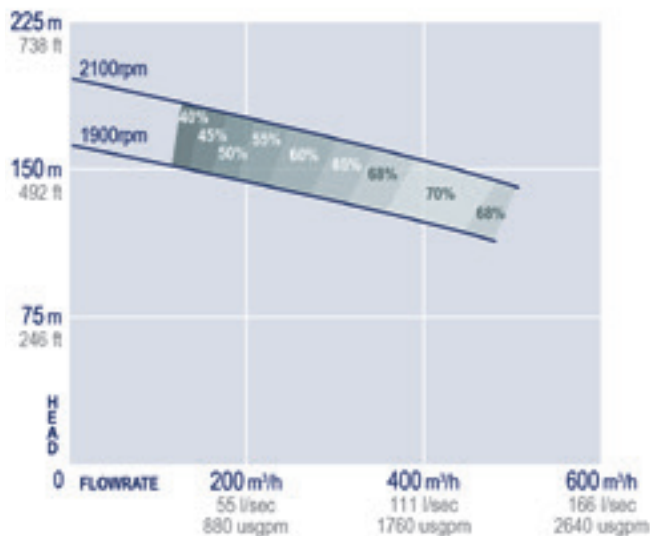


AT A GLANCE		
Suction Size	200 mm	8"
Discharge Size	100 mm	4"
Solids Handling	51 mm (min)	2" (min)
Max Flow	510 m³/hr	2250 usgpm
Max Head	198 mtrs	650'
Max Speed	2100 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
350 m³/hr 1540 usgpm	161 mtrs 528'	2100 rpm	68%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	68 ltrs/hr	18.00 usgph	Standard	IEC3	
Rated Power @ BEP	225 kW	302 hp	Rated Power	315 kW	422 hp
Model	Scania DC13		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	300 kW	402 hp	Frame	355	

PERFORMANCE CURVE



PUMP SIZE

NET WEIGHT

7000 kgs
15430 lbs

L × W × H

4.10 × 2.10 × 2.20 mtr
161 × 82 × 87"

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

4.90 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (510 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

GI500/160

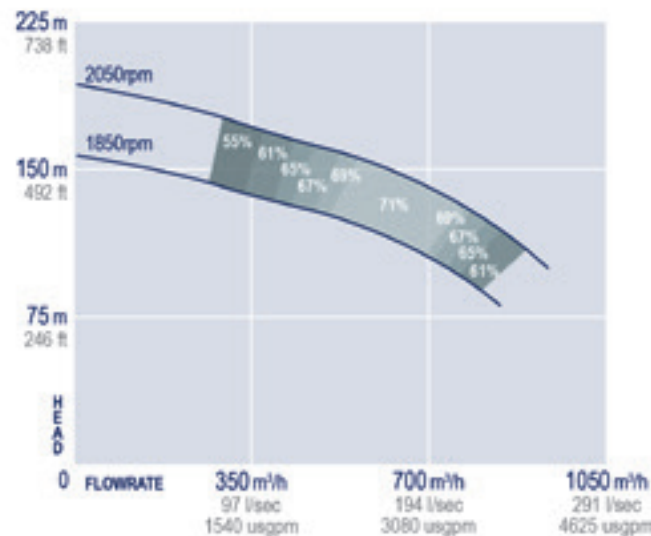


AT A GLANCE		
Suction Size	200 mm	8"
Discharge Size	150 mm	6"
Solids Handling	50 mm (min)	2" (min)
Max Flow	930 m³/hr	4100 usgpm
Max Head	190 mtrs	640'
Max Speed	2050 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
500 m³/hr 2200 usgpm	160 mtrs 525'	2050 rpm	67%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	96 ltrs/hr	25.40 usgph	Standard	IEC3	
Rated Power @ BEP	319 kW	428 hp	Rated Power	500 kW	671 hp
Model	CAT C18TTA		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	500 kW	671 hp	Frame	355 A/B	

PERFORMANCE CURVE



PUMP SIZE



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

2.70 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (930 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

CASE STUDY

EQUINOR ENERGY COMPANY/ VELTEC-SCANDINAVIA

DXB Pump & Power working in cooperation with its rental partner Dansk Overpumping A/S from Denmark, was approached by Veltec Industrial to offer an urgent alternative to a competitors solution whose cost was becoming too high and delivery was under pressure.



The application called for a maximum flow rate of over 1000m³/hr at almost 6 bar to remove some 75000m³ of water from a crude oil tank that had been filled to pressure and leak tested prior to going back into service.

The water being removed had to be pumped through 300mm over a distance of almost 1.5km and the competitor had offered two 450kW pumps to do the job.

DXB Pump who was already in country, visited the site with Dansk Overpumping and designed a solution using four 65kW 200mm pumpsets that were immediately available and at a much lower rental rate for the contractor and the end user. The pumpsets and hoses were supplied same day.

A small team from Dansk Overpumping, installed the four pumpsets in a parallel/series design allowing for over 500m³/hr to be pumped in each line at a combined pressure of over 6 bar.

Each 65kW pumpset with high efficiency impellers, operated at an economical 1800rpm using far less fuel than a single 450kW pumpset previously used by the contractor.

Commenting on the success of the job, the contractor was delighted with the design of the solution and the speed of the installation and job completion.

CLIENT REQUIREMENTS:

FLOW RATE OVER
1000 M³/HR

PRESSURE UP TO
6 BAR

QUICK
SOLUTION

COST EFFECTIVE
PUMP RENTAL

THE CONTRACTOR WAS
DELIGHTED WITH THE DESIGN
OF THE SOLUTION AND THE
SPEED OF THE INSTALLATION
AND JOB COMPLETION.

GI750/160

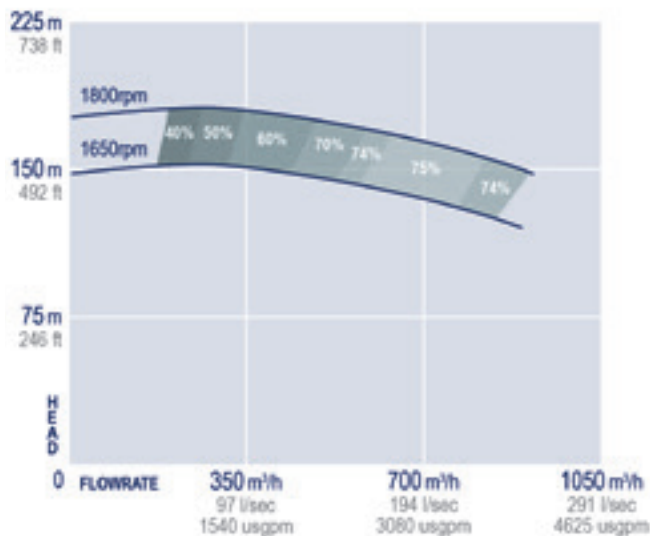


AT A GLANCE		
Suction Size	200 mm	8 "
Discharge Size	150 mm	6 "
Solids Handling	51 mm (min)	2 " (min)
Max Flow	920 m ³ /hr	4050 usgpm
Max Head	176 mtrs	577 '
Max Speed	1800 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
750 m ³ /hr 3300 usgpm	160 mtrs 525 '	1800 rpm	75%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	131 ltrs/hr	34.60 usgph	Standard	IEC3	
Rated Power @ BEP	433 kW	581 hp	Rated Power	500 kW	671 hp
Model	CAT C18TTA		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	500 kW	671 hp	Frame	355 A/B	

PERFORMANCE CURVE



PUMP SIZE



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

2.70 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (920 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

GI750/200



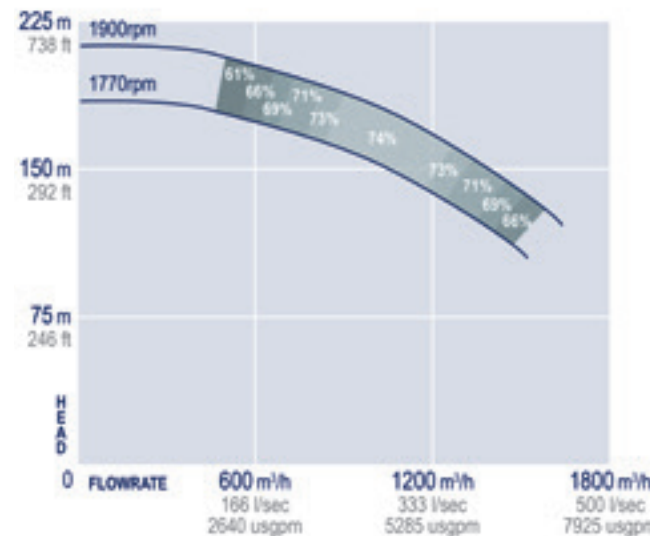
AT A GLANCE		
Suction Size	250 mm	10 "
Discharge Size	200 mm	8 "
Solids Handling	61 mm (min)	2.40 " (min)
Max Flow	1640 m ³ /hr	7200 usgpm
Max Head	213 mtrs	699 '
Max Speed	1900 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
740 m ³ /hr 3270 usgpm	197 mtrs 646 '	1900 rpm	71%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	169 ltrs/hr	44.60 usgph	Standard	IEC3	
Rated Power @ BEP	560 kW	751 hp	Rated Power	800 kW	1073 hp
Model	CAT C32		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	800 kW	1073 hp	Frame	355 A/B	



PERFORMANCE CURVE



PUMP SIZE



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

1.50 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1640 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

GI1000/110

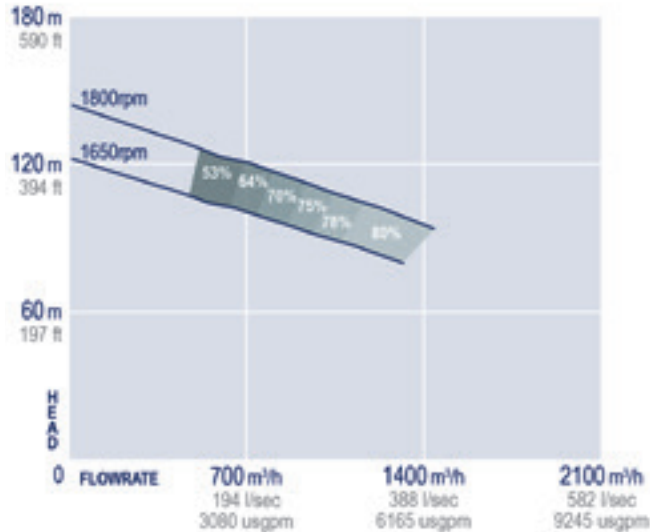


AT A GLANCE		
Suction Size	250 mm	10 "
Discharge Size	200 mm	8 "
Solids Handling	102 mm (min)	4 " (min)
Max Flow	1400 m ³ /hr	6160 usgpm
Max Head	146 mtrs	479 '
Max Speed	1800 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
1000 m ³ /hr 4420 usgpm	111 mtrs 364 '	1800 rpm	77%

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	118 ltrs/hr	31.20 usgph	Standard	IEC3	
Rated Power @ BEP	395 kW	530 hp	Rated Power	450 kW	603 hp
Model	Scania DC16		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	400 kW	536 hp	Frame	355 A/B	

PERFORMANCE CURVE



PUMP SIZE

NET WEIGHT

7000 kgs
15430 lbs

L × W × H

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

EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

1.80 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1400 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

GI1000/150



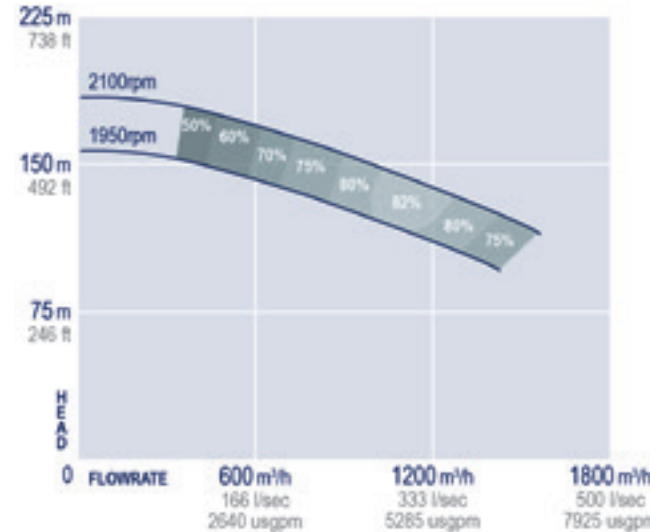
AT A GLANCE		
Suction Size	250 mm	10 "
Discharge Size	200 mm	8 "
Solids Handling	62 mm (min)	2.40 " (min)
Max Flow	1550 m ³ /hr	6820 usgpm
Max Head	181 mtrs	594 '
Max Speed	2100 rpm	

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

DIESEL ENGINE SPECIFICATION			CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs	119 usg	Model	WEG / ABB 415V 3 phase 50Hz	
Fuel Burn/hr @ BEP	148 ltrs/hr	39.10 usgph	Standard	IEC3	
Rated Power @ BEP	489 kW	656 hp	Rated Power	450 kW	603 hp
Model	Scania DC16		Enclosure	TEFC	
Emissions	EU Stage V		Nominal Speed	1500 rpm	
Max Power	600 kW	805 hp	Frame	355 A/B	



PERFORMANCE CURVE



PUMP SIZE



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

1.60 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1550 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

SPECIALIST



 Exceeds
NRMM
Standards

- SIZE:
150MM TO 750MM
...
- IMPELLER TYPE:
SOLIDS HANDLING &
CLEAR LIQUIDS
...
- FLOW:
UP TO 8100M³/H
...
- HEAD:
UP TO 246M
...
- SOLIDS HANDLING:
UP TO 259MM



**DXB PUMP AND POWER HAVE
A SPECIALIST COLLECTION OF
PUMPSETS CAPABLE OF EXCEEDING
THE INDUSTRY STANDARD.**

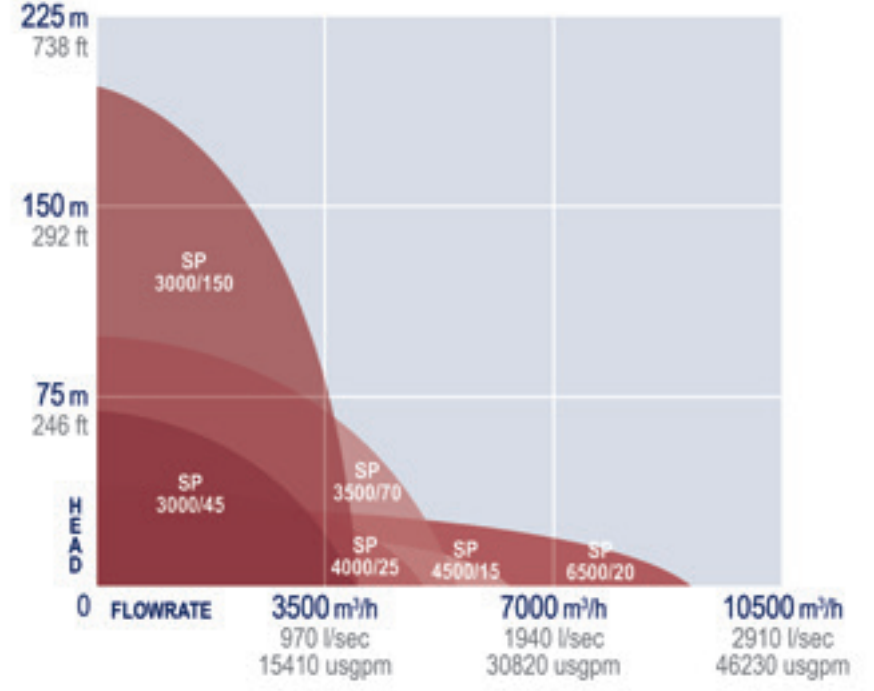
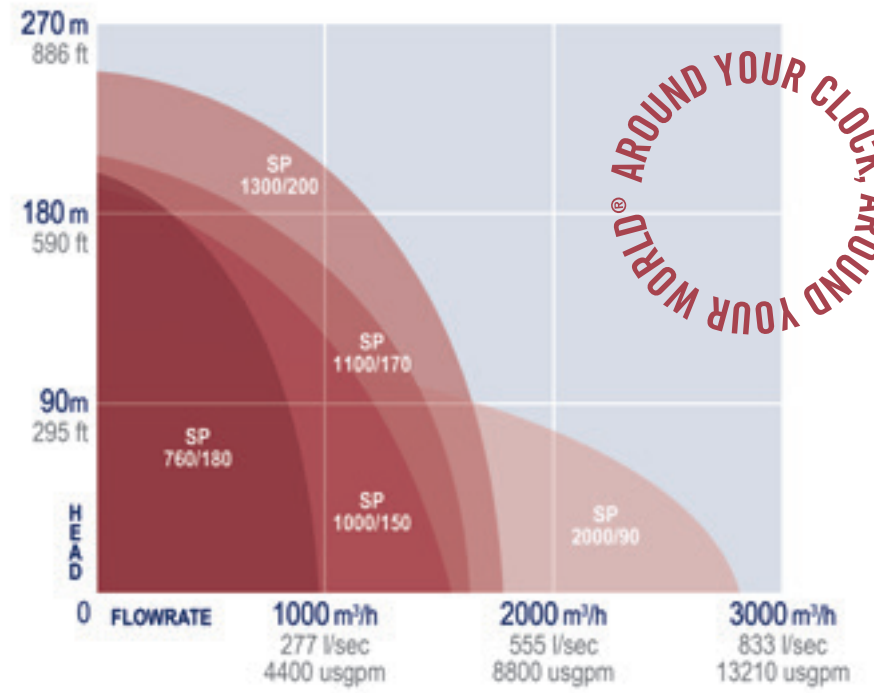
In addition to DXB's standard ranges we also manufacture pumpsets that exceed the industry standard. With sizes ranging from 6" to 30", flows of up to 9500m³/hr and pressures of up to 25bar are achievable.



RANGE SPECIALIST

		Max Flow	Max Head
p100	SP760/180	970 m ³ /h	196 m
p101	SP1000/150	1590 m ³ /h	190 m
p102	SP1100/170	1620 m ³ /h	208 m
p103	SP1300/200	1800 m ³ /h	246 m
p104	SP2000/90	2810 m ³ /h	126 m
p105	SP3000/45	4010 m ³ /h	71 m
p107	SP3000/150	4010 m ³ /h	194 m
p108	SP3500/70	5450 m ³ /h	98 m
p109	SP4000/25	4810 m ³ /h	41 m
p110	SP4500/15	5850 m ³ /h	26 m
p111	SP6500/20	9000 m ³ /h	32 m

ALL DATA IS FOR GUIDANCE PURPOSES ONLY



EXCELLING IN THE FOLLOWING MARKETS...



CASE STUDY

MALTA FILM COMMISSION – NEW STUDIO PUMP-STATION

DXB Pump & Power were appointed by the Malta Film Commission to refurbish the major pump station at the film studio on the island of Malta where dynamic scenes from blockbuster films featuring large water action based scenes were made.



The pump station is required to fill two huge water tanks holding some 40000m³, in the shortest possible time, with seawater from the Mediterranean. For the last twenty years this had been done using four 400mm self-priming pumps, two of which were electric and two engine driven.

DXB was not only contracted to supply the pumpsets but also design and install all the new pipework in the pump-station as well as other equipment such as the crane and control systems, totalling almost €1m in value.

DXB Pump designed two new Stage 5 emission compliant 200kW engine driven pumpsets and one new IEC3 electric pumpset all mounted to three Cornell 250mm Redi-Prime® pumps manufactured in CD4MCu duplex stainless steel.

The pump-station was completely refurbished including new suspended floor, new wet well and a new roof and required all the existing old equipment to be removed before refurbishment began.

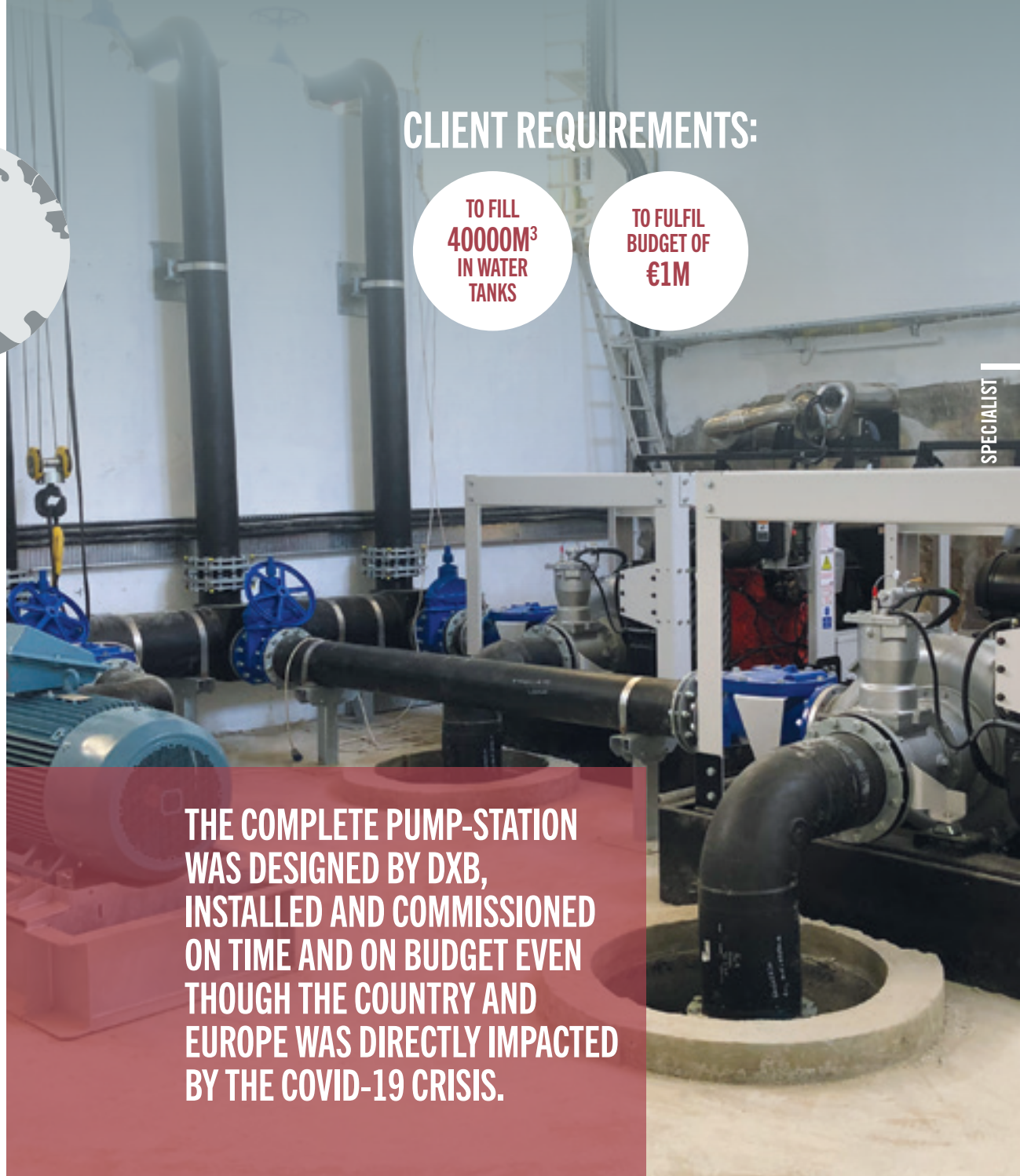
The complete pump-station was designed by DXB Pump, installed and commissioned on time and on budget even though the country and Europe was directly impacted by the COVID-19 crisis.

CLIENT REQUIREMENTS:

TO FILL
40000m³
IN WATER
TANKS

TO FULFIL
BUDGET OF
€1M

**THE COMPLETE PUMP-STATION
WAS DESIGNED BY DXB,
INSTALLED AND COMMISSIONED
ON TIME AND ON BUDGET EVEN
THOUGH THE COUNTRY AND
EUROPE WAS DIRECTLY IMPACTED
BY THE COVID-19 CRISIS.**



SPECIALIST

SP760/180



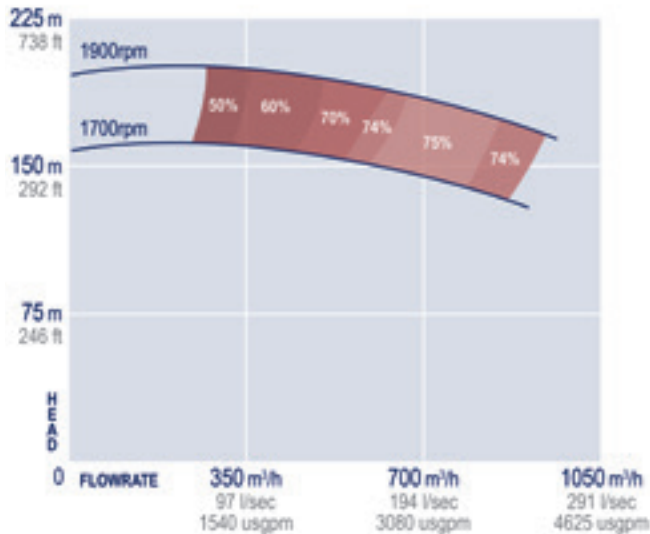
AT A GLANCE		
Suction Size	200 mm	8 "
Discharge Size	150 mm	6 "
Solids Handling	51 mm (min)	2 " (min)
Max Flow	970 m³/hr	4270 usgpm
Max Head	196 mtrs	643 '
Max Speed	1900 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
760 m³/hr 3350 usgpm	180 mtrs 591 '	1900 rpm	75%

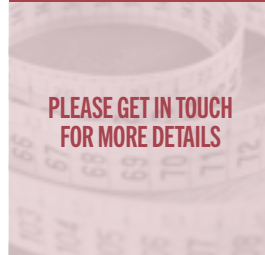
DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs		119 usg	
Fuel Burn/hr @ BEP	149 ltrs/hr		39.40 usgph	
Rated Power @ BEP	495 kW		664 hp	
Model	CAT C27ACERT			
Emissions	EU Stage V			
Max Power	708 kW		949 hp	



PERFORMANCE CURVE



PUMP SIZE



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

2.60 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (970 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

SP1000/150



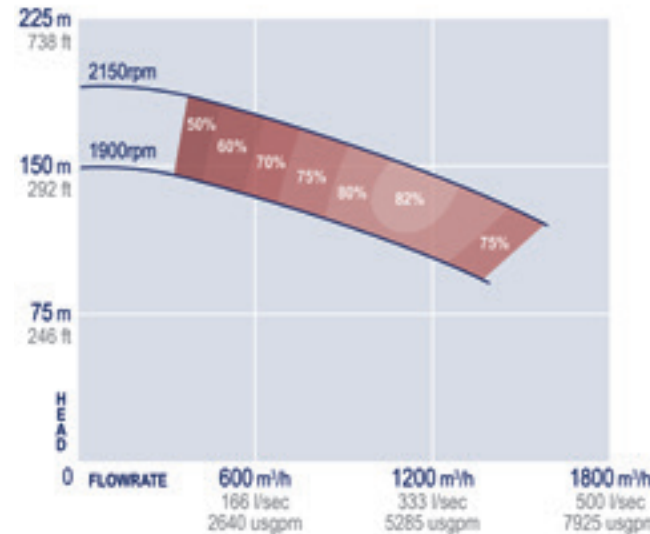
AT A GLANCE		
Suction Size	250 mm	10 "
Discharge Size	200 mm	8 "
Solids Handling	62 mm (min)	2.45 " (min)
Max Flow	1590 m³/hr	7000 usgpm
Max Head	190 mtrs	623 '
Max Speed	2150 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
1182 m³/hr 5204 usgpm	146 mtrs 479 '	2150 rpm	83%

DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs		119 usg	
Fuel Burn/hr @ BEP	170 ltrs/hr		44.90 usgph	
Rated Power @ BEP	568 kW		762 hp	
Model	CAT C32			
Emissions	EU Stage V			
Max Power	895 kW		1200 hp	



PERFORMANCE CURVE



PUMP SIZE



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

1.60 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1590 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

SP1100/170



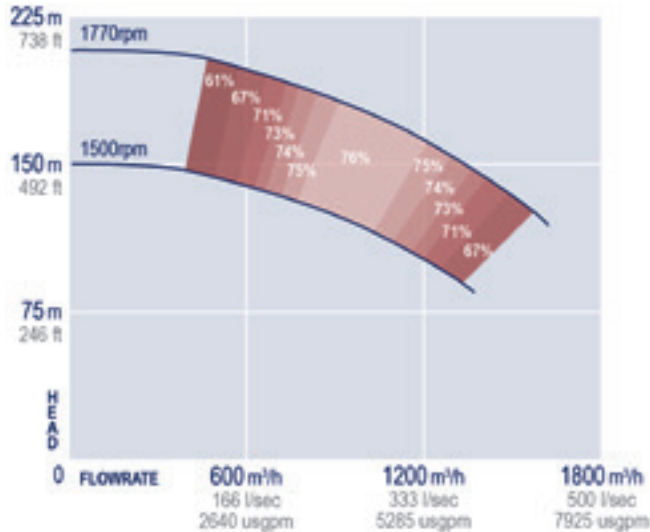
AT A GLANCE		
Suction Size	250 mm	10 "
Discharge Size	200 mm	8 "
Solids Handling	60 mm (min)	2.40 " (min)
Max Flow	1620 m ³ /hr	7140 usgpm
Max Head	208 mtrs	682 '
Max Speed	1770 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
1090 m ³ /hr 4790 usgpm	171 mtrs 561 '	1770 rpm	77%

DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs		119 usg	
Fuel Burn/hr @ BEP	197 ltrs/hr		52.00 usgph	
Rated Power @ BEP	659 kW		884 hp	
Model	CAT 3512			
Emissions	Non Certified			
Max Power	1119 kW		1500 hp	



PERFORMANCE CURVE



PUMP SIZE



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

1.50 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1620 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

SP1300/200



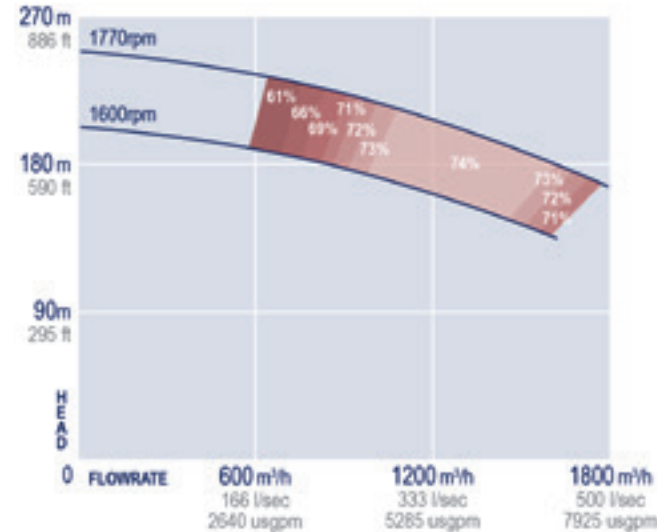
AT A GLANCE		
Suction Size	250 mm	10 "
Discharge Size	200 mm	8 "
Solids Handling	60 mm (min)	2.40 " (min)
Max Flow	1800 m ³ /hr	7920 usgpm
Max Head	246 mtrs	807 '
Max Speed	1770 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
1370 m ³ /hr 6030 usgpm	194 mtrs 636 '	1770 rpm	76%

DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs		119 usg	
Fuel Burn/hr @ BEP	285 ltrs/hr		75.30 usgph	
Rated Power @ BEP	955 kW		1281 hp	
Model	CAT 3516			
Emissions	Non Certified			
Max Power	1492 kW		2000 hp	



PERFORMANCE CURVE



PUMP SIZE



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

1.40 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (1800 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

SP2000/90



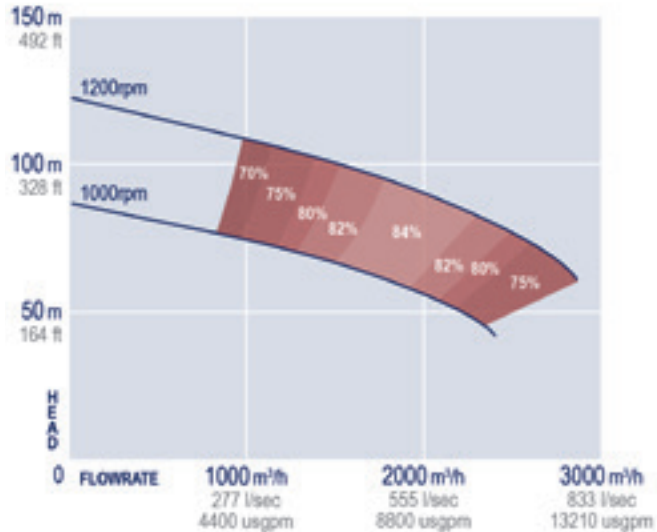
AT A GLANCE		
Suction Size	300 mm	12 "
Discharge Size	300 mm	12 "
Solids Handling	81 mm (min)	3.20 " (min)
Max Flow	2810 m ³ /hr	12380 usgpm
Max Head	126 mtrs	413 '
Max Speed	1200 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
2070 m ³ /hr 9110 usgpm	91 mtrs 299 '	1200 rpm	85%

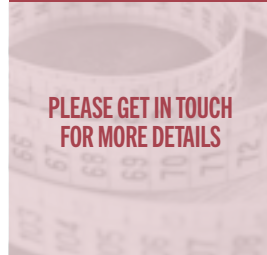
DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs		119 usg	
Fuel Burn/hr @ BEP	181 ltrs/hr		47.80 usgph	
Rated Power @ BEP	602 kW		807 hp	
Model	CAT 3512			
Emissions	Non Certified			
Max Power	1119 kW		1500 hp	



PERFORMANCE CURVE



PUMP SIZE



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

0.90 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (2810 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

SP3000/45



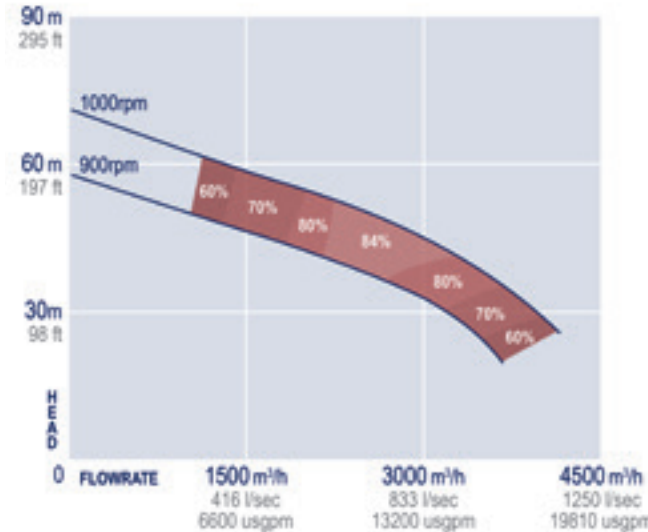
AT A GLANCE		
Suction Size	400 mm	16 "
Discharge Size	400 mm	16 "
Solids Handling	114 mm (min)	4.50 " (min)
Max Flow	4010 m ³ /hr	17660 usgpm
Max Head	71 mtrs	233 '
Max Speed	1000 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
2770 m ³ /hr 12190 usgpm	47.6 mtrs 156 '	1000 rpm	85%

DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs		119 usg	
Fuel Burn/hr @ BEP	125 ltrs/hr		33.05 usgph	
Rated Power @ BEP	422 kW		566 hp	
Model	CAT C18TTA			
Emissions	EU Stage V			
Max Power	500 kW		671 hp	

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		

PERFORMANCE CURVE



PUMP SIZE



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

0.60 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (4010 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

CASE STUDY

SPECIALIST



**ECO-FRIENDLY
PUMPSETS
REQUIRED**

2000 M³/HR BYPASS IN MAJOR SWEDISH CITY

DXB PUMP & POWER 200mm WW500/25 pumpsets were used in a major bypass project in Sweden.



Svensk Forbindpumpning AB is one of the leading pump hire companies in Sweden, one of the strictest countries in the world for environmental controls. The company specialises in bypass projects for local water authorities, contractors and of course the Swedish Government with many projects in historic cities like Malmö and Gothenburg.

After extensive review and cooperation in development, DXB Pump & Power worked alongside the engineers of Svensk Forbindpumpning in developing many new pumpsets up to 450mm in size for their fleet of units that would operate in the most challenging environmental situations. Specific focus was placed on designing all the pumpsets to operate at or below 1800rpm in order to reduce noise and pollution in the Swedish cities making the DXB pumps the cleanest on the market.

Combining Stage 5 engines and Cornell Pump high efficiency Warrior sewage pumps, DXB have designed a range of pumps that now operate in the fleet across the whole of Scandinavia and beyond, satisfying the demand for clean engines, low fuel consumption and near silent operation in the heart of major cities.

SP3000/150



**SOLIDS
HANDLING**

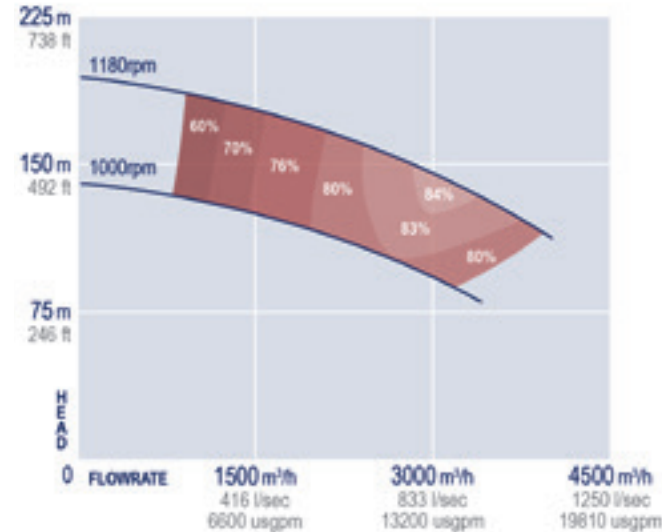
AT A GLANCE		
Suction Size	350 mm	14 "
Discharge Size	350 mm	14 "
Solids Handling	108 mm (min)	4.25 " (min)
Max Flow	4010 m ³ /hr	17660 usgpm
Max Head	194 mtrs	636 '
Max Speed	1180 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
3130 m ³ /hr 13770 usgpm	142 mtrs 466 '	1180 rpm	84%

DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs			
Fuel Burn/hr @ BEP	432 ltrs/hr			
Rated Power @ BEP	1432 kW			
Model	CAT 3516			
Emissions	Non Certified			
Max Power	1492 kW			2000 hp



PERFORMANCE CURVE



PUMP SIZE



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

0.60 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (4010 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

SPECIALIST

SP3500/70



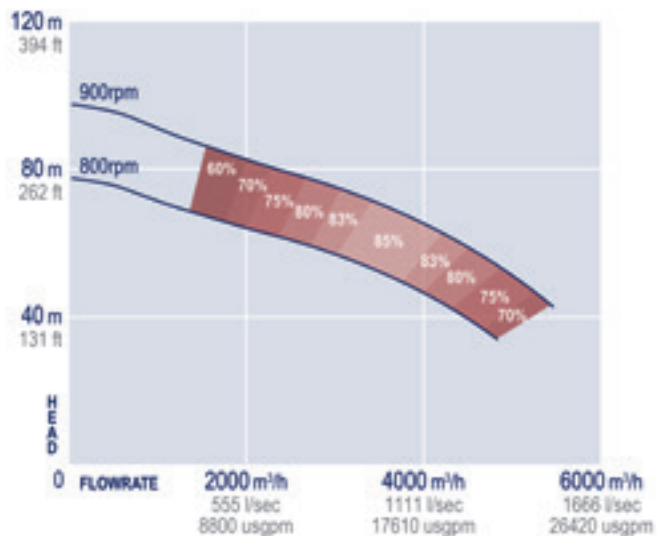
AT A GLANCE		
Suction Size	450 mm	18 "
Discharge Size	450 mm	18 "
Solids Handling	114 mm (min)	4.50 " (min)
Max Flow	5450 m ³ /hr	24000 usgpm
Max Head	98 mtrs	322 '
Max Speed	900 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
3790 m ³ /hr 16690 usgpm	67 mtrs 220 '	900 rpm	85%

DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs		119 usg	
Fuel Burn/hr @ BEP	244 ltrs/hr		64.50 usgph	
Rated Power @ BEP	811 kW		1088 hp	
Model	CAT 3512			
Emissions	Non Certified			
Max Power	1119 kW		1500 hp	



PERFORMANCE CURVE



PUMP SIZE



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

0.50 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (5450 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

SP4000/25



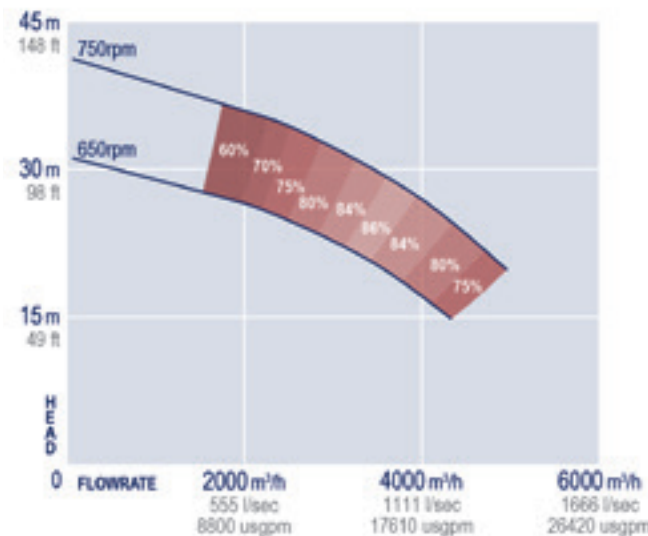
AT A GLANCE		
Suction Size	600 mm	24 "
Discharge Size	500 mm	20 "
Solids Handling	127 mm (min)	5 " (min)
Max Flow	4810 m ³ /hr	21180 usgpm
Max Head	41 mtrs	135 '
Max Speed	750 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
3860 m ³ /hr 17000 usgpm	28 mtrs 92 '	750 rpm	86%

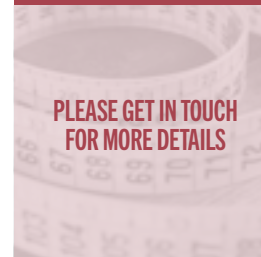
DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs		119 usg	
Fuel Burn/hr @ BEP	103 ltrs/hr		27.20 usgph	
Rated Power @ BEP	341 kW		457 hp	
Model	CAT C18TTA			
Emissions	EU Stage V			
Max Power	500 kW		671 hp	

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	

PERFORMANCE CURVE



PUMP SIZE



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

0.50 HOURS

To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (4810 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

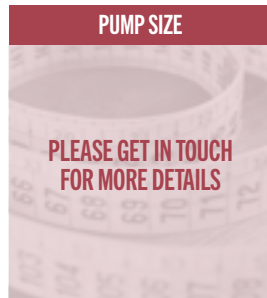
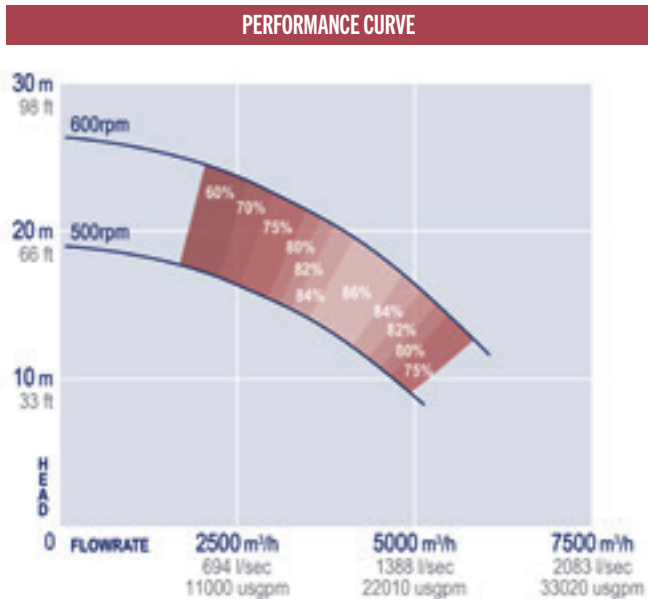
SP4500/15



AT A GLANCE		
Suction Size	600 mm	24 "
Discharge Size	600 mm	24 "
Solids Handling	133 mm (min)	5.25 " (min)
Max Flow	5850 m ³ /hr	25760 usgpm
Max Head	26 mtrs	85 '
Max Speed	600 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
4480 m ³ /hr 19720 usgpm	18 mtrs 60 '	600 rpm	87%

DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	900 ltrs		Model	WEG / ABB 415V 3 phase 50Hz
Fuel Burn/hr @ BEP	76 ltrs/hr		Standard	IEC3
Rated Power @ BEP	258 kW		Rated Power	315 kW 422 hp
Model	Scania DC13		Enclosure	TEFC
Emissions	EU Stage V		Nominal Speed	1500 rpm
Max Power	300 kW		Frame	355



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

0.45 HOURS To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (5850 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

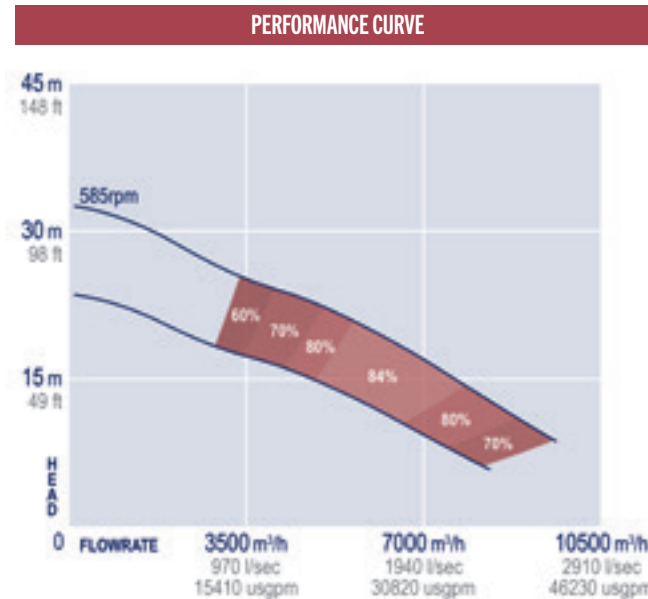
SP6500/20



AT A GLANCE		
Suction Size	750 mm	30 "
Discharge Size	750 mm	30 "
Solids Handling	259 mm (min)	10.20 " (min)
Max Flow	9000 m ³ /hr	39620 usgpm
Max Head	32 mtrs	105 '
Max Speed	585 rpm	

FLOW @ BEP	HEAD @ BEP	SPEED @ BEP	EFFICIENCY @ BEP
6700 m ³ /hr 29480 usgpm	18 mtrs 59 '	585 rpm	86%

DIESEL ENGINE SPECIFICATION		CHOOSE	ELECTRIC MOTOR SPECIFICATION	
Fuel Tank Size	450 ltrs		Model	WEG / ABB 415V 3 phase 50Hz
Fuel Burn/hr @ BEP	114 ltrs/hr		Standard	IEC3
Rated Power @ BEP	381 kW		Rated Power	500 kW 671 hp
Model	CAT C18TTA		Enclosure	TEFC
Emissions	EU Stage V		Nominal Speed	1500 rpm
Max Power	500 kW		Frame	355 A/B



EXTRAS

As pump manufacturers, DXB can design and build bespoke pumpsets that will best suit your requirements, including different materials of construction. We also provide a range of accessories including:

- Hoses & Accessories
- Satellite Telemetry
- Spark Arrestor
- Shut-Down Valve
- Hook-Lift

0.30 HOURS To empty an Olympic Swimming Pool (2,500,000 litres) at Max Flow (9000 m³/hr)

ALL DATA IS FOR GUIDANCE PURPOSES ONLY

SERVICE & MAINTENANCE

DXB Pump & Power, through its sister company DXB Integrate, can offer a world-class service to our customers in the UK and beyond. Stage 5 engines are highly engineered units and require the absolute best servicing for continued outstanding performance.

Our engineers offer either a complete scheduled service or in-house training of your own service engineers to ensure your pumpset is kept in the best condition.

Whether you are renting pumps from DXB Integrate or purchasing pumps from DXB Pump & Power, our engineers are here to support your pumpset with expertise, experience and all the tools they need to keep your equipment in the best possible condition.



DELIVERY

International logistics can be a challenge in the best of times, but today getting to your pump to places like West Africa or the Arctic Circle is made easier by DXB Pump through its long experience and excellent partners. Our equipment is even designed to go in the nose of a cargo plane or standard container to ensure a smoother delivery.



PUMP ACCESSORIES

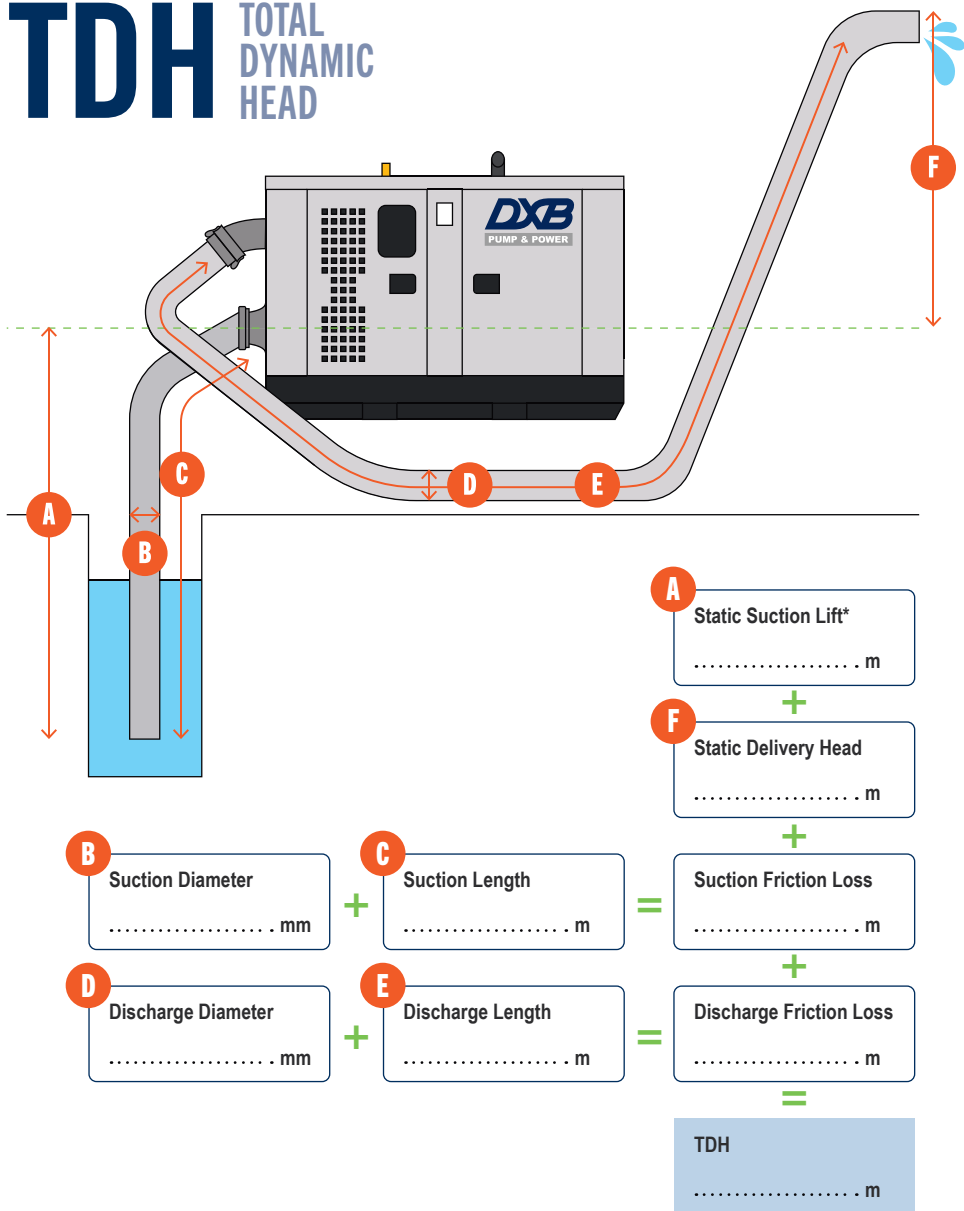
EXTRAS FOR YOUR PUMP

- FUEL CUBES
- TRAILERS
- SUCTION & DISCHARGE HOSE
- FITTINGS:
 - STRAINERS
 - BENDS
 - NRV & GATE VALVES
 - FLOW METERS
 - REDUCERS/ENLARGERS
- ROAD RAMPS
- SETTLEMENT TANKS



CALCULATE TDH

TOTAL DYNAMIC HEAD



CALCULATE FRICTION LOSS

IN SMOOTH BORE PIPE

igpm	2"	3"	4"	6"	8"	10"	12"	m ³ /h
50	10	1.4	0.3					10
75	20	3	0.7					15
100	35	5	1	0.1				20
150		12	2.5	0.35				30
200		18	4.5	0.6				50
300		40	10	1.2	0.4			75
400			18	2.2	0.7			100
500			28	3.5	1.1			125
600			38	4.5	1.5			150
700				6.5	2			175
800				8	2.7			200
900				10	3.4	1	0.4	225
1000				13	4	1.4	0.5	250
1200				18	6	2	0.8	300
1400				26	8	3	1	350
1600				32	11	4	1.5	400
1800				36	14	4.5	2	450
2000				38	17	5	2.5	500
2500					25	9	4	650
3000					38	12	5	750
4000						21	8	1000

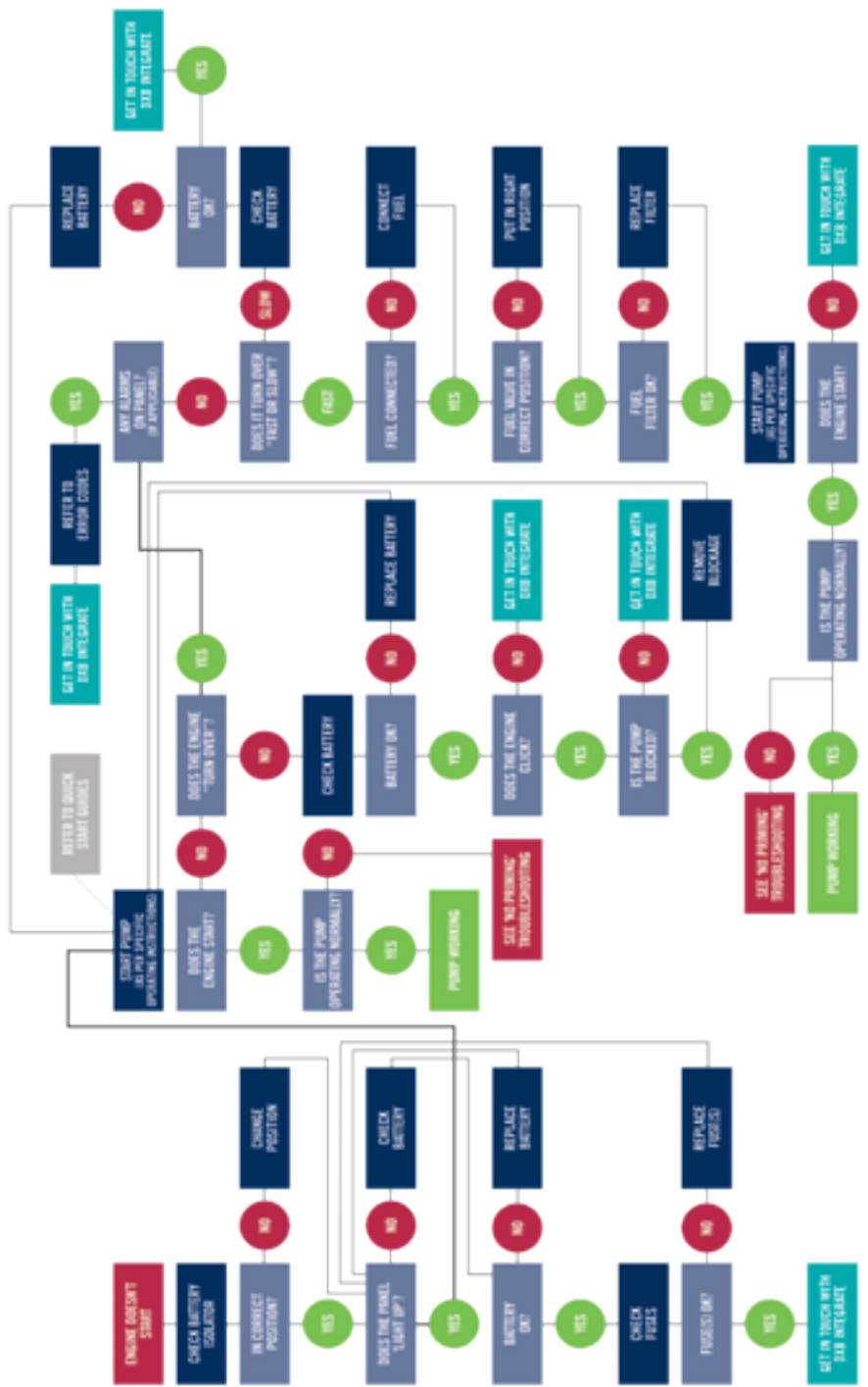
The chart is calculated for fresh water at 15°C.

- Use actual bores rather than nominal pipe size.
- For stainless steel pipe multiply the numbers by 1.1.
- For steel pipe multiply the numbers by 1.3
- For cast iron pipe multiply the numbers by 1.7
- The losses are calculated for a fluid viscosity similar to fresh water

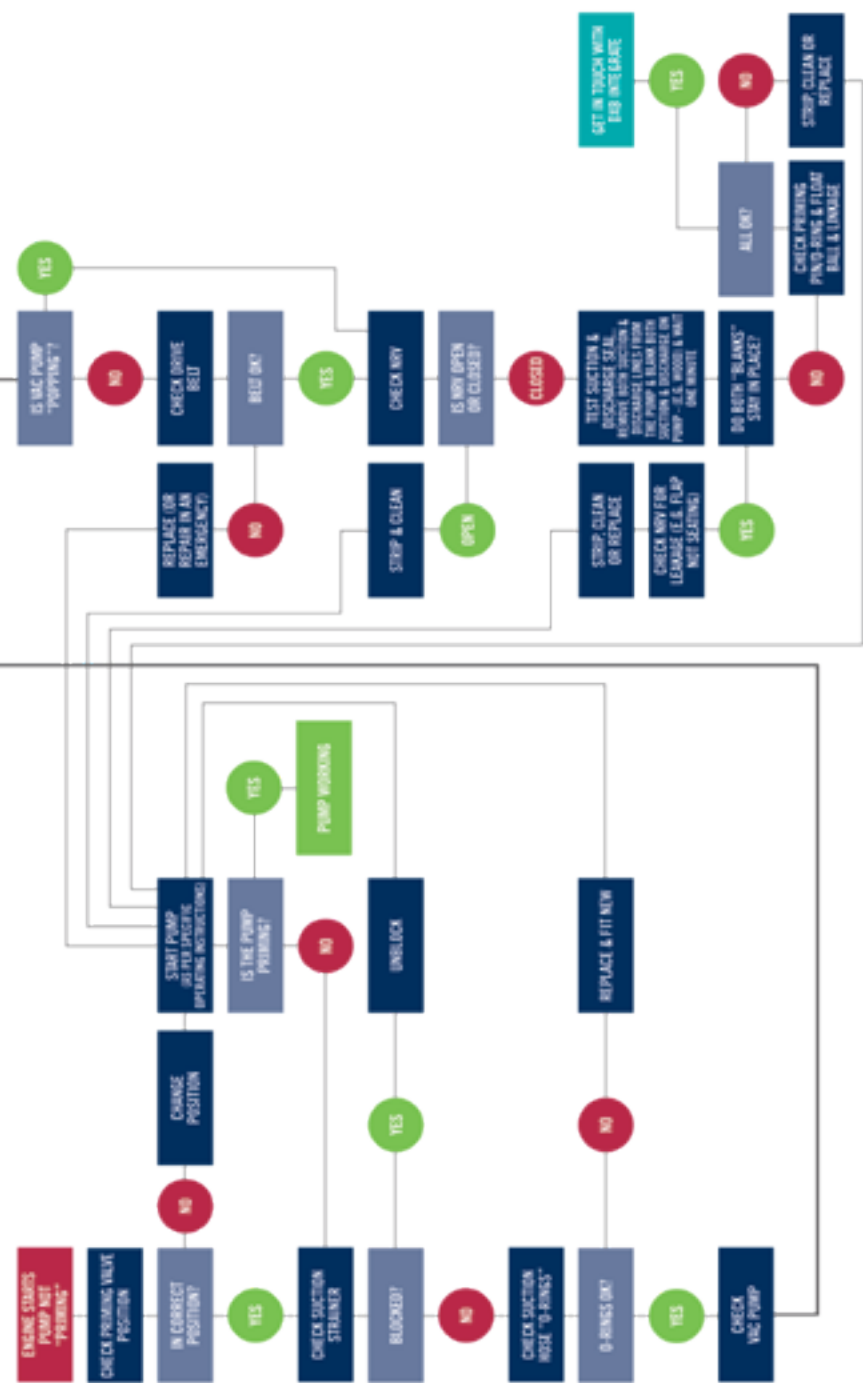
Losses in m/100 m or ft/100 ft

**FOR ACCESSORY LOSSES
PLEASE REFER TO PAGE 119**

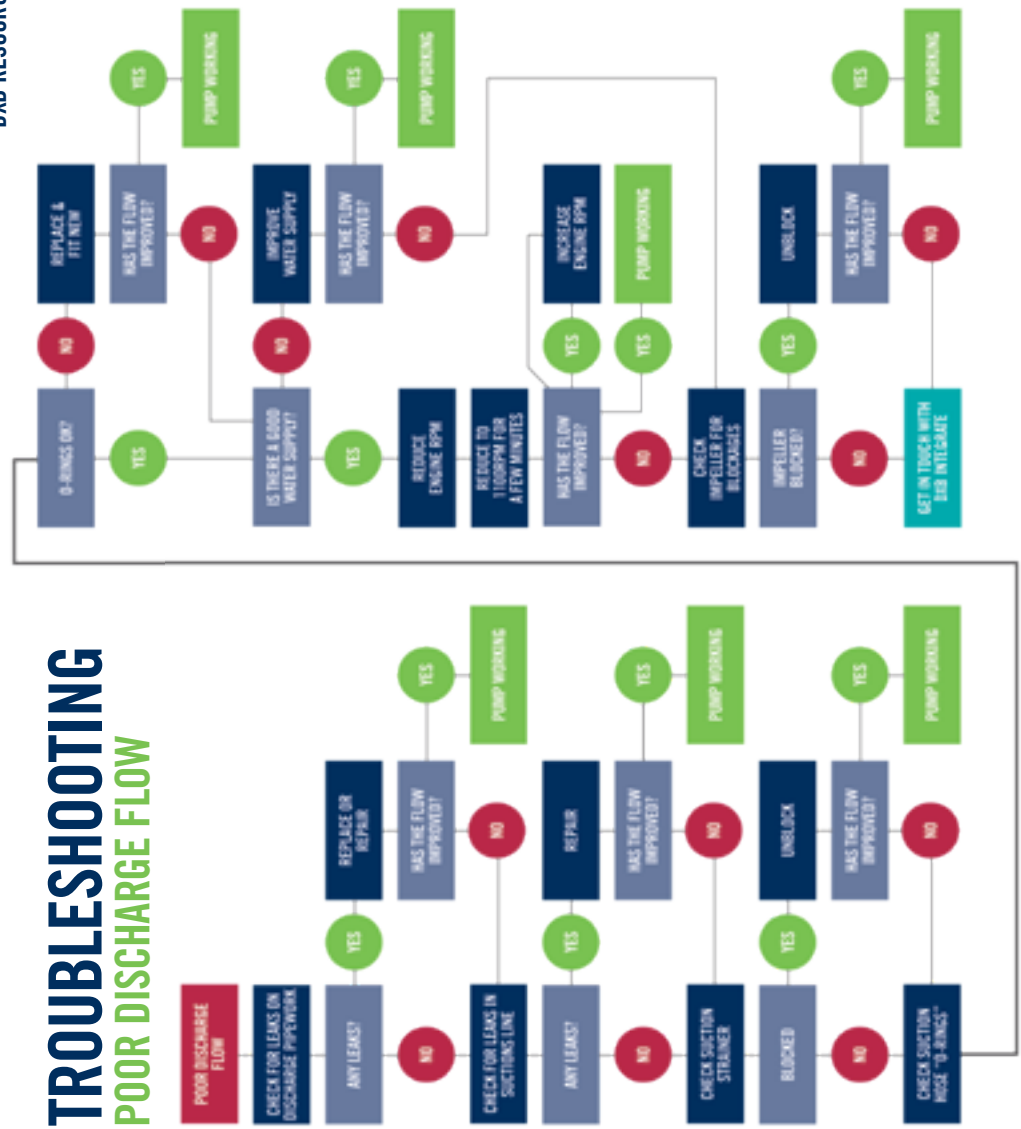
TROUBLESHOOTING ENGINE NOT RUNNING



TROUBLESHOOTING ENGINE STARTS, PUMP NOT PRIMING

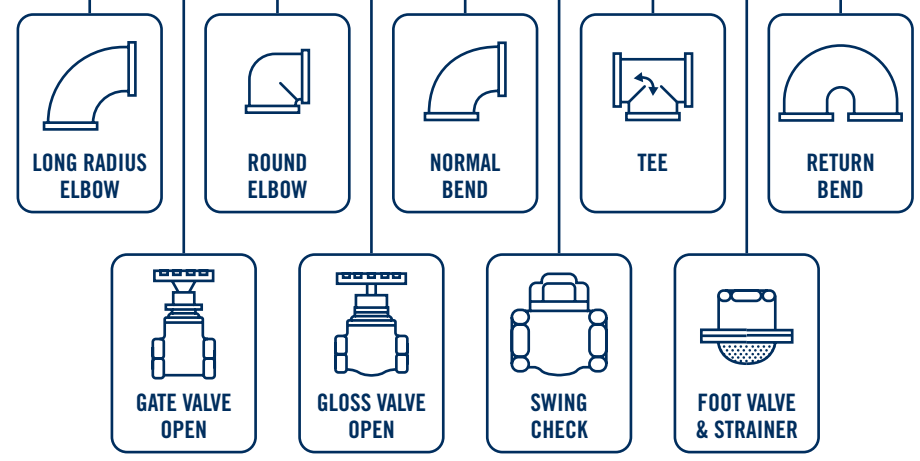


TROUBLESHOOTING POOR DISCHARGE FLOW



LOSSES FOR ACCESSORIES

Pipe size mm	Equivalent length of straight pipe in metres, for calculating friction loss									
20	0.3	0.3	0.6	6.7	0.5	1.5	1.5	1.5	1.5	1.5
25	0.3	0.3	0.8	8.2	0.5	2.0	1.8	2.3	2.0	2.0
32	0.3	0.6	0.9	11.3	0.8	2.6	2.4	2.7	2.6	2.6
40	0.4	0.6	1.1	13.4	0.9	3.1	2.7	3.4	3.1	3.1
50	0.5	0.8	1.4	17.4	1.1	4.0	3.4	4.6	4.0	4.0
65	0.6	0.9	1.7	20.1	1.4	5.2	4.3	5.5	4.6	4.6
80	0.8	1.1	2.1	26.0	1.5	6.1	5.2	6.7	5.5	5.5
100	1.1	1.5	2.7	34.0	2.1	8.2	6.7	8.8	7.3	7.3
125	1.2	1.8	3.7	43.0	2.7	10.0	8.2	11.0	9.5	9.5
150	1.5	2.1	4.3	49.0	3.4	12.2	10.0	14.0	11.0	11.0
200	2.1	3.1	5.5	67.0	4.3	16.5	13.4	18.0	15.0	15.0
250	2.4	3.7	7.3	85.4	5.5	20.0	16.5	22.0	19.0	19.0
300	3.1	4.3	8.5	98.0	6.7	24.4	20.0	27.4	23.0	23.0



AROUND YOUR CLOCK,
AROUND YOUR WORLD®

DXB

PUMP & POWER

Lower Street
Baylham, Suffolk
IP6 8JW
United Kingdom

+44(0)1473 833939
dxbpumppower.com

AUTHORISED DISTRIBUTOR