



45-105kW

**DXB3**



**DXB4**

130-200kW

THE MOST ADVANCED PORTABLE  
PUMPSETS IN THE WORLD

# 45-105kW DXB3

ENGINE OR ELECTRIC DRIVEN



## CORNELL PUMP ENDS

The world's number one premium Redi-Prime™ pump ends for sewage, dewatering, slurry and jetting are all mountable in the DXB canopy complete with 50cfm priming systems for fast priming without carry-over.

## HEAVY DUTY PRIMING VALVE

Cornell patented heavy duty priming valve allowing for high flows and compact installation in canopy with easy access for service.

## LARGE PRIMING CHAMBER

Reliable priming relies on good air separation times between fluids and air in the system. By using a large priming chamber DXB pumps not only prime fast, they also minimise carry-over and float valve failure seen in some systems.

An isolation valve can quickly isolate the priming pump in positive suction head conditions.

## WARRIOR CUTTER IMPELLER

Unique Cornell high efficiency impeller design complete with minimum 76mm solids handling and integrated cutter system for raw sewage and rag handling.

## AD-BLUE SYSTEM

Easily accessible tank for filling and maintenance whilst being away from fuel fill to avoid confusion during night operations.

## CYCLOSEAL® SYSTEM

Patented mechanical seal protection system with run-dry capability and Tu/Si seal faces reduces seal failures from grit and solids seen in sewage and slurry pumping.

## DXB CONTROL PANEL

Integrated control panel and telemetry unit, monitoring both the pump and engine performance. Data on the engine fluid levels, exhaust emissions and maintenance information is all monitored live and sent to either a phone, tablet or computer.

Pump performance including suction pressure, discharge pressure and optional flow rates can be monitored in the pump and also sent by telemetry.

## DXB HOTBOX

External exhaust chamber housing the exhaust after treatment equipment including DPF, SCR and spark arrestor reducing internal temperatures of the pump canopy and increasing the maximum ambient operating temperature that the pumpset can operate in.

## EASY ACCESS FOR SERVICE

Maintenance items such as filters are all easily accessible through four main service doors, two on each side allowing for fast and safe servicing of the pumpsets. Area also contains remote fuel tank changeover valves and interior LED lighting as standard.

## LASHING DOWN EYES

Integrated lashing eyes in the pump for secure transport of the lightweight pumps. ISO blocks are available on larger pumpsets.

MAX FLOW  
980M<sup>3</sup>/HR\*

MAX HEAD  
130MTR\*

## DEUTZ PREMIUM QUALITY ENGINES-1000-HOUR SERVICES

All DXB pumpsets up to 225kW, are manufactured with the Deutz premium engines known around the world for their quality.

With their integrated and remote mounted exhaust after treatment systems, DXB has designed a pumpset capable of operating at up

to 45 degrees Celsius and increased the access space in the canopy for servicing.

Using Deutz service items and lubricants, Deutz Stage engines are capable of service intervals of up to 1000 hours in certain markets.



\*Dependent on pump end

# 130-200kW DXB4

ENGINE OR ELECTRIC DRIVEN



## CORNELL PUMP ENDS

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## LARGE PRIMING CHAMBER

Reliable priming relies on good air separation times between fluids and air in the system. By using a large priming chamber DXB pumps not only prime fast, they also minimise carry-over and float valve failure seen in some systems.

An isolation valve can quickly isolate the priming pump in positive suction head conditions.

## HEAVY DUTY PRIMING VALVE

Cornell patented heavy duty priming valve allowing for high flows and compact installation in canopy with easy access for service. In slurry applications, bottom horizontal tungsten-carbide coated valves are used for increased wear resistance.

## MULTIPLE IMPELLER DESIGNS FOR DIFFERENT INDUSTRIES

Warrior cutter impellers, CA6NM Stainless steel and 650BHN hard-iron impellers are all used in Cornell pumps for pumping sewage, water and slurries. All impellers are solids handling and offer market leading efficiency for reduced energy costs.

## AD-BLUE SYSTEM

Easily accessible tank for filling and maintenance whilst being away from fuel fill to avoid confusion during night operations.

## CYCLOSEAL® SYSTEM

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## DXB CONTROL PANEL

Integrated control panel and telemetry unit, monitoring both the pump and engine performance. Data on the engine fluid levels, exhaust emissions and maintenance information is all monitored live and sent to either a phone, tablet or computer.

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## DXB VSD COCKPIT

The DXB Hotbox is now converted to a cockpit area allowing for the variable speed drives to be mounted directly on the pumpset for ease of installation. Some smaller pumpset up to 200mm and 30kW even allow for quick cable connections through 32/63A site plugs.

## EASY ACCESS FOR SERVICE

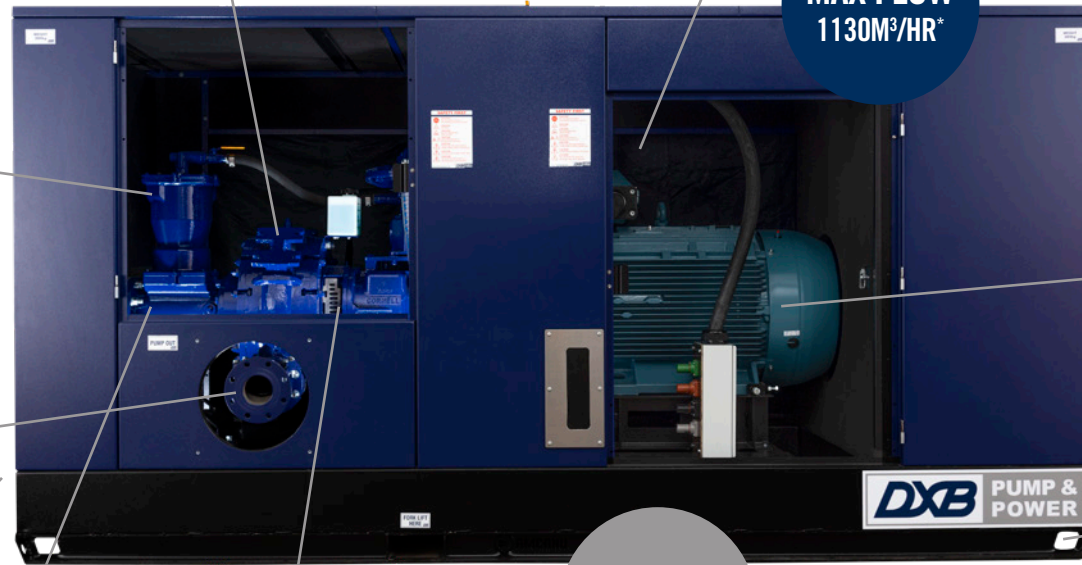
Maintenance items such as filters are all easily accessible through four main service doors, two on each side allowing for fast and safe servicing of the pumpsets. Area also contains remote fuel tank changeover valves and interior LED lighting as standard.

## LASHING DOWN EYES

Integrated lashing eyes in the pump for secure transport of the lightweight pumps. ISO blocks are available on larger pumpsets.

MAX FLOW  
1130M<sup>3</sup>/HR\*

MAX HEAD  
220MTR\*



## WEG PREMIUM QUALITY MOTORS

All DXB pumpsets up to 200kW, are manufactured with the WEG premium motors with a minimum of IEC3 rating and known around the world for their quality.

Control of the motors can be done directly with VSD at the pumpset

without having to open any doors. Connectivity to installed SCADA system may be possible as will remote monitoring through DXB telemetry.

QR plugs or Powerlock systems are available based on customer needs.



\*Dependent on pump end

# FEATURES

All our canopies have advanced features designed in as standard including:

- Diesel or electric motor option
- DXB designed and manufactured control panel/telemetry
- Fuel management systems including changeover valve
- Four access doors for ease of maintenance
- Central lifting bale (four point optional)
- Hotbox EAT system for heat management
- Multiple pump ends for each application
- 100% bunding of all fluids
- Minimum 65dB(A) at 7m performance
- British manufactured for spares

## STAGE 5 / T4F COMPLIANT

All new DXB pumpsets are Stage 5 / Tier 4 Final dual emission compliant as well as being fully bunded and sound attenuated.



## EASY TO MAINTAIN

Access through wide doors allows for excellent servicing. Optional lighting ensures 24/7 ease of maintenance.



## OWNERS MESSAGE

We are "Around Your Clock, Around Your World"

## SERVICING

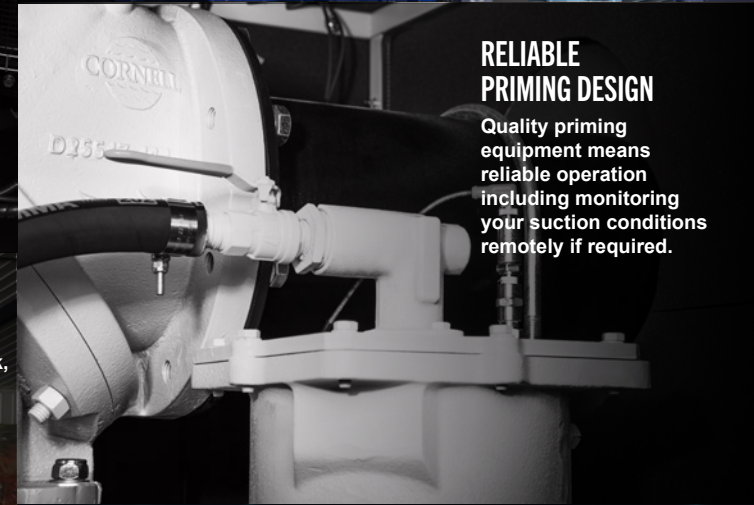
Ease of access to all maintenance items ensuring swift servicing and ensures the equipment is maintained to the highest levels.

## ELECTRIC DRIVE

All DXB Pump pumps are available in electric drive as well as Stage 5 engines giving you the choice.

## RELIABLE PRIMING DESIGN

Quality priming equipment means reliable operation including monitoring your suction conditions remotely if required.



## OUTSTANDING CONTROLS AND TELEMTRY

DXB Pump custom control panel offers outstanding control and monitoring of the pumpset including the pump and engine condition. No other panel is so robust and reliable and being British built, supported so well.



## INCLUDED AS STANDARD

Fuel systems including remote tanks, remote monitoring and bunded designs all come as standard.

# YOUR PUMP END, YOUR CHOICE

Canopy	DXB3 – 55kW	DXB3 – 75kW	DXB3 – 105kW	DXB4 – 130kW	DXB4 – 150kW	DXB4 – 180kW
Dewatering	✓	✗	✓	✗	✓	✓
Raw Sewage	✓	✗	✓	✓	✓	✗
Slurries	✓	✗	✓	✓	✗	✓
Jetting/ High Pressure	✓	✓	✓	✗	✓	✓

# YOUR CANOPY, YOUR CHOICE

Canopy	DXB3 – 55kW	DXB3 – 75kW	DXB3 – 105kW	DXB4 – 130kW	DXB4 – 150kW	DXB4 – 180kW
Stage 5	✓	✓	✓	✓	✓	✓
NRMM/ULEZ	✓	✓	✓	✓	✓	✓
Adblue (DEF)	✗	✓	✓	✓	✓	✓
DPF	✓	✓	✓	✓	✓	✓
Length	2.85 mtr	2.85 mtr	2.85 mtr	3.70 mtr	3.70 mtr	3.70 mtr
Width	1.20 mtr	1.20 mtr	1.20 mtr	1.40 mtr	1.40 mtr	1.40 mtr
Height	2.00 mtr	2.00 mtr	2.00 mtr	2.05 mtr	2.05 mtr	2.05 mtr
Dry Weight	2270kg	2450 kg	2450 kg	3600 kg	3800 kg	3800 kg



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