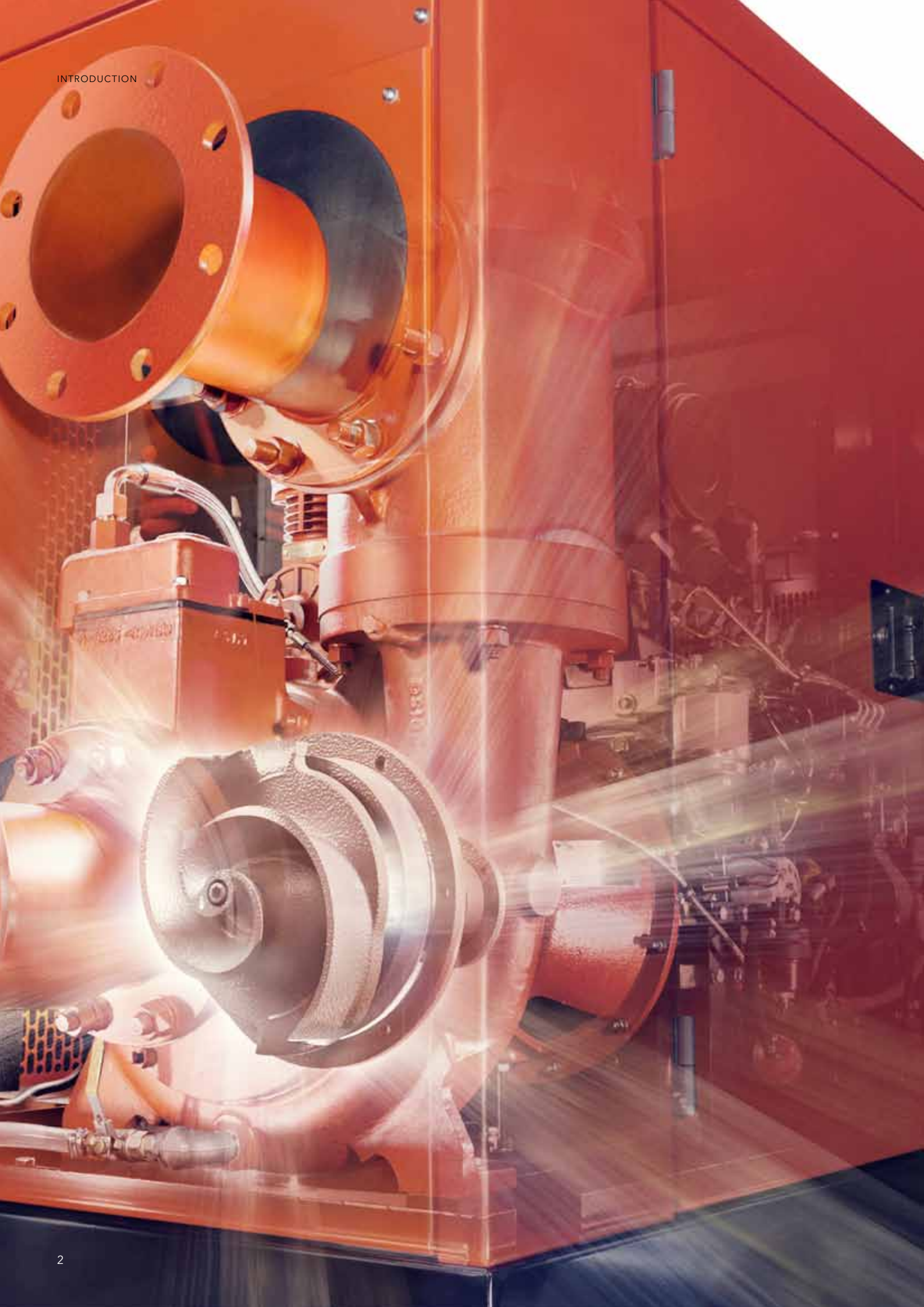




Godwin NC series Dri-Prime[®] pumps

NOW WITH FLYGT N-TECHNOLOGY

godwin 
a xylem brand





We combined the world's most reliable portable pumps with the world's most efficient self-cleaning hydraulics...

To bring you the best of both worlds

You know how demanding wastewater applications can be. That's why Godwin is the pump of choice because of its reliability and resilience, no matter what the task.

Still, fibrous stringy sewage can cause clogging, which results in increased energy/fuel costs and unplanned maintenance. This is why Godwin rises to the challenge with breakthrough technology that delivers sustained high efficiency.

Self-cleaning Flygt N-technology saves costs

The high efficiency of Flygt N-technology is sustained over time due to its self-cleaning ability, keeping energy/fuel costs to a minimum. It's no wonder there are over 300,000 Flygt N-pumps installed around the world.

Introducing the new Godwin NC series Dri-Prime pumps

This new range of Godwin Dri-Prime pumps is not only reliable, it comes equipped with the non-clogging, non-stop performance of the proven Flygt N-technology.

This breakthrough combination gives you a best-in-class portable pump that delivers sustained hydraulic efficiency to handle tough wastewater pumping applications. Whether you are in the market for a temporary rental solution or a permanently installed pump station backup, our engineers are available to analyze your specific application to ensure you receive the most cost efficient pumping solution.

Without a doubt, no matter what the challenge - temporary, permanent or an emergency, you will always have the peace of mind knowing that your Godwin NC series Dri-Prime pump is on the job.

Features that deliver a world of benefits

All Godwin NC series Dri-Prime pumps share valuable features contributing to non-clog operation, energy/fuel efficiency and sustained high efficiency.

Choose what's best for you

Energy-efficient diesel powered engines make these pumps ideal for any jobsite, no matter how remote. These pumps are equipped for standalone operations and do not require a generator. All diesel engines meet the latest emissions regulations.



You also have the option of utilizing electric motors in areas where fixed power is readily available in both temporary pumping and permanent installations. The benefits with these electric driven pumps are that you do not have to bother with refueling and they require less servicing. At the same time, these electric motors and VFD controllers ensure a low carbon footprint.



You have yet another option available: selecting pumps with varying duty points in the range of 80, 100 and 150 mm with flows up to 400 m³/h and heads up to 60 m.



Easy onsite installation

Godwin NC series Dri-Prime pumps are quick and simple to install, regardless of the environment. This means that you can have your pump up and running in the event of an emergency, in the shortest possible time.

Dri-Prime = reduced labor costs

Automatic self-priming venturi priming system, primes and re-primed from dry up to 8.5 m with no operator assistance or foot valve required.

Flygt N-technology = sustained high efficiency

The unique self-cleaning functionality ensures reliability, sustained hydraulic efficiency, long-term fuel and energy savings, and reduces downtime that results in unplanned maintenance costs.





**Variable speed operation
= flexibility of use + energy/fuel savings**

The pumps will operate at various duties, enabling you to use one pump at several pump station bypass locations. This provides substantial energy/fuel savings for you.

**Hard-Iron™ (60 HRC) impeller and insert ring
or chopper module = less downtime
+ lower lifecycle costs**

Flygt N-technology with Hard-Iron components continue to deliver sustained high efficiency without clogging or erosion corrosion. A chopper module is also available for chopping long fibers or solids.



**Intelligent control panel
= automatic operation + energy/fuel efficiency**

The built-in intelligent control panel provides a wide range of critical information and enables automatic operation, minimizing manual monitoring and stopping the pump in case of engine failure and other problems. This, together with automatic level control floats, provide peace of mind and reduced operating costs for you.

**Close-coupled design
= easy pumpend or engine changeover**

The close-coupled design of the pump makes realignments unnecessary, which means that you benefit from simple pumpend or engine/motor changeover in the field.

**Overnight running fuel tank
= less labor, more reliability**

Diesel engine driven pumps incorporate a fuel tank that has the capacity to support extended operations up to 24 hours without the need to refuel.

Single lifting point = convenience + ease of use

The lifting point makes it easy to hoist the pump on the jobsite.

Skid- or trailer-mounted = high mobility

The skid-mounted pumps are designed to be conveniently maneuvered using a fork lift, while the trailer-mounted pumps are built to be transported on highways using a standard construction vehicle.

Quiet enclosure = ideal for any environment

The pump comes with the option of a sound attenuated enclosure that supports quiet running and low operating noise. This feature makes it ideal for use in residential areas.



One pump: minimum downtime, maximum lifecycle efficiency

What makes the Godwin NC series Dri-Prime pump unbeatable for tough sewage bypass, sludge removal and dirty water applications?

The answer lies in a combination of factors: to begin, you have all the robust reliability of Godwin. Then, you get to benefit from the sustained high efficiency of Flygt N-technology.

All together you have a pump that is built to take on the toughest applications and deliver optimum results.

A pump where every component and detail is designed and built to deliver sustained high efficiency and total reliability.

Application areas

- Sewer and plant bypass
- Pump station backup (permanent and temporary)
- Sludge pumping
- Storm water
- Digester cleaning
- Industrial effluent

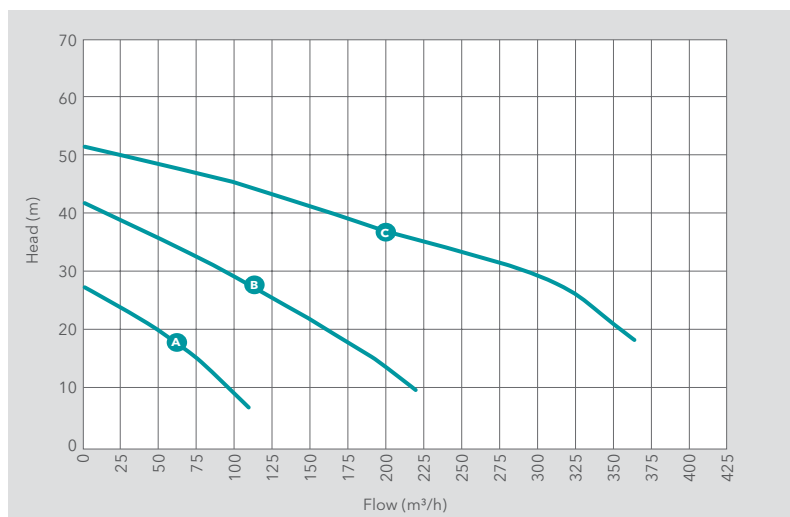
It pays to backup your pump station

When generators and switch gears fail, the pump station ceases to function, causing you to run the risk of costly sewage overflows, environmental cleanups and negative publicity. Yet for nearly the same investment as a standby generator or even less, the Godwin DBS™ (Dri-Prime Backup System) offers reliable support that will keep you in control and in line with governmental regulations.

The Godwin DBS is a complete and highly-dependable backup pumping package available for use during primary power and switch gear failure and for primary pumping during routine maintenance. The Godwin DBS is rated to meet the power and pumping demands of your Godwin NC series Dri-Prime pump, and can also be retrofitted to suit an existing pump station.

Godwin now pumps with sustained high efficiency

Performance curves



- Self-cleaning reliability
- Hydraulic efficiency
- Non-stop optimum performance
- Ultimate operation/price ratio
- Long term energy/fuel savings
- Optimized operating speed for low energy/fuel consumption
- Incredibly low downtime
- Extended service intervals
- Minimum maintenance
- Service friendly

- A NC80 - 2000 rpm
- B NC100 - 2000 rpm
- C NC150 - 2000 rpm

Composite curves for comparison purposes only. Consult engineering data for exact flow and head capabilities.

Specifications

| | | NC80 | NC100 | NC150 |
|-------------------|-------------------------|--------------------|--------------------|--------------------|
| Diesel standard | Suction, mm | 100 | 100 | 150 |
| | Discharge, mm | 80 | 100 | 150 |
| | Diesel engine | Yanmar, 3TNM76AS | Perkins, 404D-22 | Perkins, 1104D-44T |
| | Fuel capacity, ltrs | 58 | 140 | 318 |
| | Operating speed [rpm] | 1200 to 2200 | 1200 to 2200 | 1200 to 2000 |
| | Consumed power, kW | 3 to 10 | 6 to 25 | 15 to 55 |
| | Standard mount | Skidbase | Skidbase | Skidbase |
| | Dimension L x W x H, mm | 1300 x 680 x 1900 | 1800 x 1000 x 1900 | 2500 x 1300 x 1900 |
| | Weight with fuel, kg | 945 | 1,139 | 2,130 |
| Quiet enclosure | db(A) at 7 m | 63 | 65 | 67 |
| | Standard mount | Skidbase | Skidbase | Skidbase |
| | Dimension L x W x H, mm | 2190 x 1050 x 1500 | 2190 x 1050 x 1500 | 2890 x 1300 x 1800 |
| | Weight with fuel, kg | 1315 | 1390 | 2290 |
| Electric standard | Rating, kW | 5.5 | 11 | 18.5 |
| | Voltage [V/phase] | 400/3~ | 400/3~ | 400/3~ |
| | Rated current [A] | 11 | 21 | 34 |
| | Operating speed [rpm] | 1450 | 1450 | 1450 |
| | Dimension L x W x H, mm | 1200 x 740 x 1260 | 1500 x 740 x 1260 | 1500 x 900 x 1260 |
| | Weight, kg | 450 | 590 | 625 |

Technical information subject to change without notice. For additional specifications see product technical documentation.

Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) A leading global water technology company.

We're 12,000 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

For more information on how Xylem can help you, go to www.xylem.com



Godwin is a brand of Xylem. For the latest version of this document and more information about Godwin products visit www.godwinpumps.com