

## DrainMajor Duo 60 (3ph) (Duty/Standby Wastewater Pumping System with Dual Alarm)



DrainMajor Duo 60 (3ph) Part No.158/A  
(Duty/Standby Wastewater Pumping System with  
Dual Alarm)

### General Description:

DrainMajor Duo 60 (3ph) features a heavy-duty tank and submersible pump for automatically pumping wastewater from commercial kitchens, teapoints, etc.

The DrainMajor Duo provides users with the additional security of duty/standby operation. If one pump should become blocked or fail, the wastewater would rise within the tank, activate the high-level alarm, overflow into the adjoining tank where the other pump would then act as the standby pump.



### Alarm:

The dual zone alarm has two triggered inputs. When triggered it is activated and an LED indication of which input was triggered is illuminated.

It has a built-in backup battery (72 hours) in the event of a power outage. It operates from a switched input, such as a float switch or pressure switch. The alarm can be activated either by a closed circuit switched input or an open circuit switched input. It is designed for connection to 240Vac supply voltages. Once activated, it provides a visual and audio indicator.

There is an option to connect an external beacon or other circuitry via the auxiliary output and/or the volt-free relay outputs. Each trigger has its own volt-free relay allowing the alarm to be connected to a Building Management System with ease.

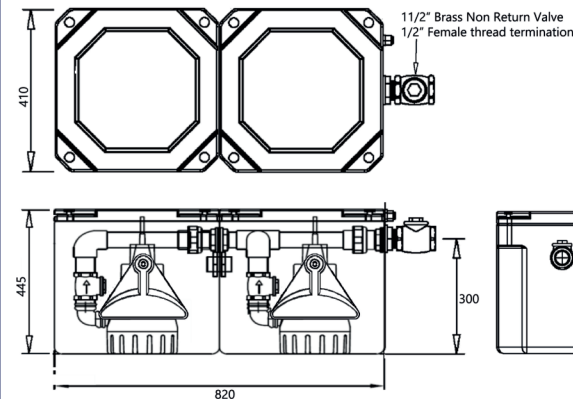
### Key Alarm Features

- 2 Alarm inputs
- Alarm LED indicator
- Alarm audio buzzer
- Alarm audio mute button
- Alarm test button
- Power LED indicator
- IP65-rated enclosure
- Auxiliary alarm output for accessories such as a beacon or siren
- 2 independent Volt free relay contact outputs SPDT
- Easy installation no tool required WAGO wiring terminals
- Backup battery with up to 72 hours of run time

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## DRAINMAJOR DUO 60 (3ph) (Duty/Standby Wastewater Pumping System with Dual Alarm)

Dimensions mm



### Good for the Environment:



**DrainMajor Duo tanks are made from Recyclable Polyethylene.**

Recycling polyethylene is highly cost effective and therefore successful. It is greener than incineration, far more eco-friendly than landfill disposal and easier to use when manufacturing products such as toys, recycling bins, envelopes and much more.

### Tank:

Manufactured from recyclable polyethylene and fully rigged with internal pipe work and non-return valve. The lid is held in place with easy-to-remove hand screws and sits on a custom moulded, fitted rubber seal.

### Tank Inlets:

To suit site layout, all inverts should be brought into the side of the tank by drilling a hole and using an appropriate tank connector. Minimum invert height 120 mm.

### Tank Outlet:

Fitted 1 1/2" BSP male thread discharge outlet (NRV supplied female thread)

### Tank Venting:

To suit site layout, a vent should be taken from the side of the tank by drilling a hole and using an appropriate tank connector. Vent pipe should be 1 1/4" min. to air or via a Pump Technology MicroVent.

It is essential to have inlets into both tanks to ensure both pumps operate.

## DRAINMAJOR DUO 60 (3ph) (Duty/Standby Wastewater Pumping System with Dual Alarm)

### Pump:

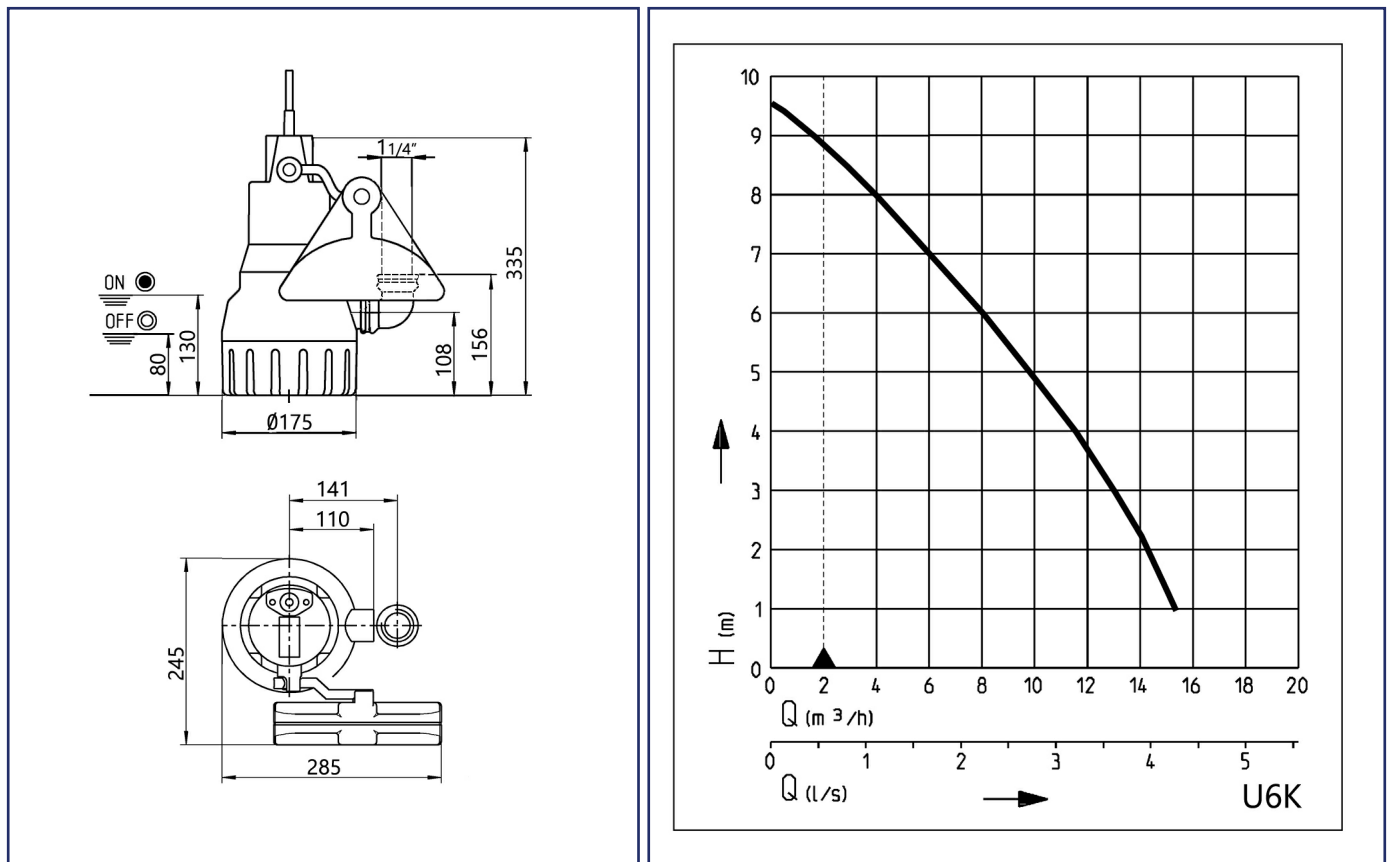
- Safe to run dry
- 20 mm free passage with EIP technology
- Cooling jacket for motor housing
- SiC mechanical seal independent of sense of rotation
- Replaceable moisture sealed cable inlet
- Flushing device
- Fluid temperature 35°C, temporarily 60°C (10 mins)

### Description:

The heavy duty centrifugal submersible drainage pump U6K ES is suitable for dealing with wastewater and capable of handling soft solids up to 20mm in particle size.



### Dimensions/switching points U6K DS (mm)



## DRAINMAJOR DUO 60 (3ph) (Duty/Standby Wastewater Pumping System with Dual Alarm)

### Scope of Supply

Pump ready for connection acc. to EN 12050 with 90°, 1¼" female connection elbow, 4m cable with automatic level float switch.

#### Mechanical Data

Pump	Vertical single stage
Free passage	20 mm
Bearing	Ball bearing, grease-lubricated
Seal on motor side	Rotary shaft seal
Oil chamber	Yes
Seal on medium side	SiC mechanical seal

Run dry protection	Yes
Shaft	Stainless Steel
Impeller	Vortex impeller, GFK
Motor housing	Stainless Steel
Submersible	Yes
Pressure outlet	1¼"

#### Electrical Data

Motor rating P1	0.75kW
Type of enclosure	IP 68
Insulation Class	B

Winding thermostat	Yes
Motor protection	Integrated

#### U6K

Type	Code No.	Voltage	Motor rating P2	Current	Power line	Wires	Plug	Weight
<b>With built-in level control</b>								
U6K DS, 4m cable	<b>JP00229</b>	3/PE-400V	0.55kW	1.3A	4m H07RN-F	4G1,0	CEE	5.9kg

### Notes:

- This unit is for wastewater only
- Ensure the location of the DrainMajor enables the lid to be easily removed for regular inspection and maintenance
- If the discharge pipework connection to a soil stack, manhole etc. is below the discharge outlet of the tank, an anti-syphon unit must be fitted at the highest point of the discharge pipework
- Warranty: The DrainMajor Duo 60 (3ph) comes complete with a one year warranty.

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Pump Technology Ltd. reserves the right to change the specification without prior notice.

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