

PRODUCT DETAILS

The DAB102PRO pairs the cast iron, self-priming DAB102M centrifugal pressure pump with the highly versatile BIANCO NXT PRO dual mode pump controller. The NXT PRO offers unparalleled pump control and protection.

This pressure system is particularly suited to water supply in domestic installations, small-scale agriculture, gardening and wherever self-priming operation is required.

DAB Jet pumps are renowned for their unique self priming and extraordinary deep suction capability; up to 8 metres at sea level.

APPLICATIONS

- Household water supply - medium to larger dwellings
- Light garden irrigation
- Water transfer
- Washing systems
- Pressure boosting

PUMP FEATURES

- Motor support in cast iron, technopolymer impeller, diffuser, Venturi tube and sand guard. Stainless steel adjustment rings.
- Carbon/ceramic mechanical seal.
- Asynchronous motor closed and cooled by external ventilation. Max Ambient temp 40 deg C
- Built-in thermal and current overload protection and a capacitor permanently on in the single-phase versions.



Fitment of a 3, 8 or 18 litre pressure vessel is encouraged to reduce pump starts and save energy.

TECHNICAL DATA

OUTPUT POWER (KW)	0.75kW P2
MAX. HEAD [M]	53.8M
MAX. FLOW L/MIN	60 l/min
MAX PRESSURE - PUMP	6 bar
MAX PRESSURE - CONTROL	10 bar
LIQUID TEMPERATURE	2 - 35 deg C
MOTOR	Asynchronous TEFC
MOTOR INSULATION	F Class insulation
MOTOR PROTECTION	In-built thermal overload
PROTECTION CLASS	IP44. Terminal board I.P.55

RATED VOLTAGE	220 - 240V 1Ph 50 Hz
RATED CURRENT	5.1A
CAPACITOR	16uF 450V
POWER CABLE	1.5m long 10 amp rated H05 flex 10 amp 3 pin plug
PUMP BODY	Cast iron 200 UNI ISO 185
INTERNALS	Technopolymer A
MECHANICAL SEAL	Carbon/Ceramic
PACKAGE DIMENSION	L470 x W240 x H240mm
AUTOMATIC OPERATION	Yes: BIANCO NXT PRO
GROSS WEIGHT (KG)	12.5kg pump, 2.1kg controller

PRODUCT DETAILS

BiANCO NXT PRO is a single pump, dual mode, digital, electronic pump controller. The PRO controller has a number of optional advanced features but out of the box, the NXT PRO is simple to use.

Mode 1. (Default) Pressure controller

Starts as pressure falls to a user adjustable level.

Stops when flow falls to less than 1 l/min.

Mode 2. Pressure switch (requires pressure tank)

Starts and stops according to user adjustable settings

With full push-button programming, NXT PRO has a digital display to provide information about the running state of the pump

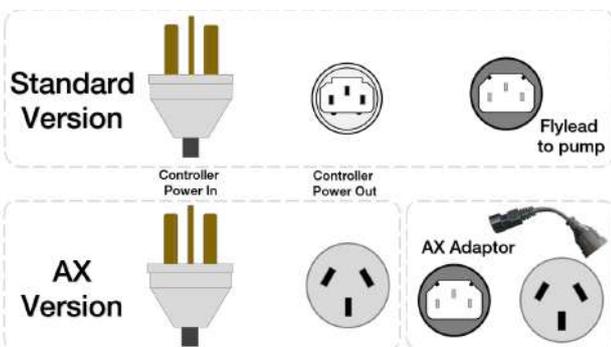


APPLICATIONS

- Control of pressure pumps up to 2.2kW (16 amp)
- Suitable for clean, non-volatile liquids without fibres or solids including potable water

ADVANCED FEATURES

- Swivel unions - 1" or 1 1/4" BSPM
- Pump Protections: Dry run, Low flow, Frequent start, Underload, Overload, Over pressure, Anti-seize, Maximum continuous run time
- No reactive metal parts in contact with the water
- Generator compatible
- Removable pressure accumulator exposes 1" BSPF port

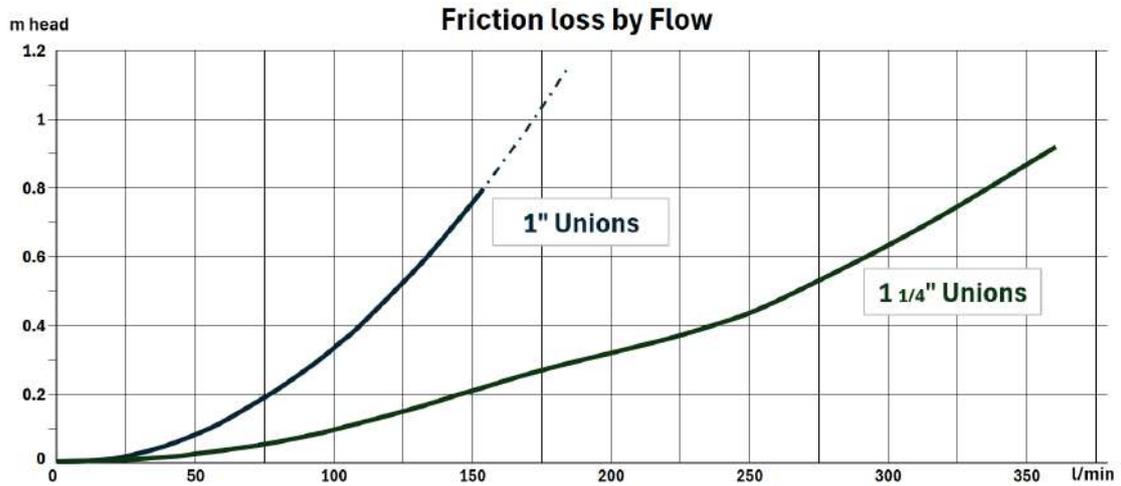


CONTROLLER TECHNICAL DATA

INPUT VOLTAGE	80 - 260 AC 1 Phase
MAX. WORKING TEMP	35 deg C
MAX TEMP	60 deg C
MAX RATED PRESSURE	10 bar
MAX RATED FLOW	1" Port: 150 l/m @ 0.8 bar loss 1 1/4" Port: >350 l/m @ 0.8 bar loss
INLET/OUTLET	1" BSPM / 1" BSPM (std)
NET WEIGHT	2.1kg

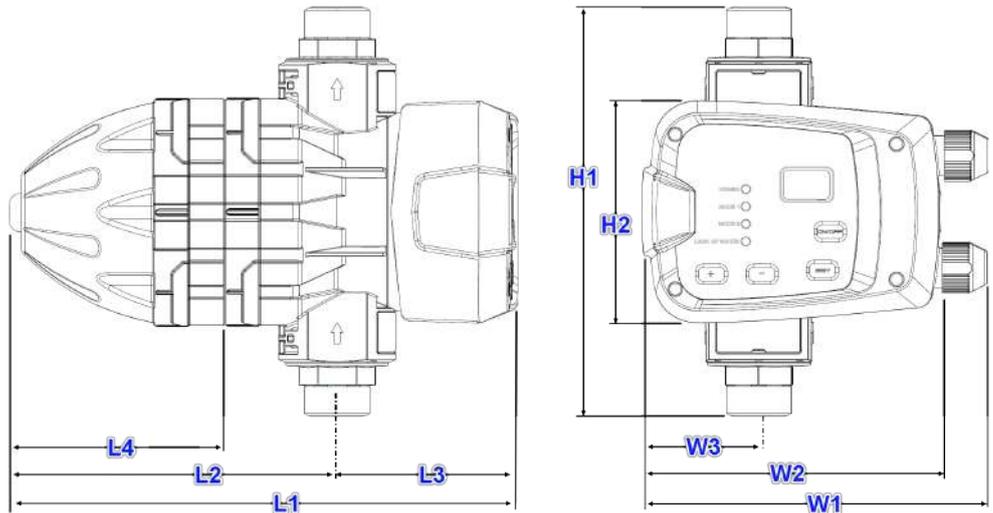
MAXIMUM CURRENT	16 Amps
NOMINAL PUMP POWER	2.2 kW
INGRESS PROTECTION	IP65
AUTOMATIC	Yes, with dry run protection
DEFAULT START PRESSURE	2.2 bar - adjustable
POWER CABLE	1.5m H05, 10 amp plug Controller to pump - options.
PACKAGING DIMENSIONS	220 x 230 x 200

CONTROLLER CURVE



CONTROLLER DIMENSIONS

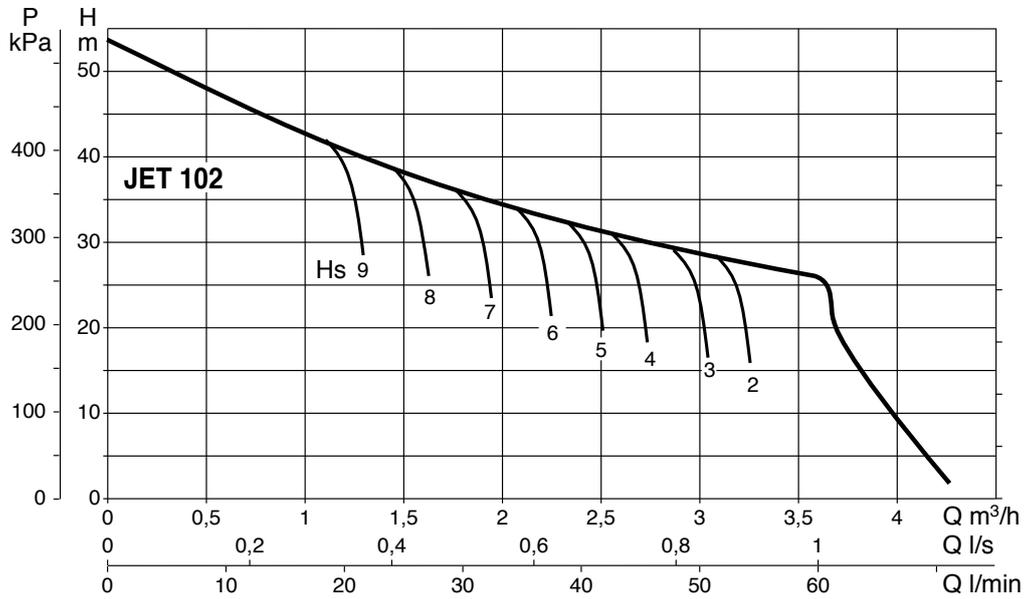
DIMENSIONS	
H1	212mm
H2	115mm
W1	175mm
W2	152mm
W3	57mm
L1	261mm
L2	93mm
L3	168mm
L4	(121mm)



WARRANTY / CERTIFICATIONS

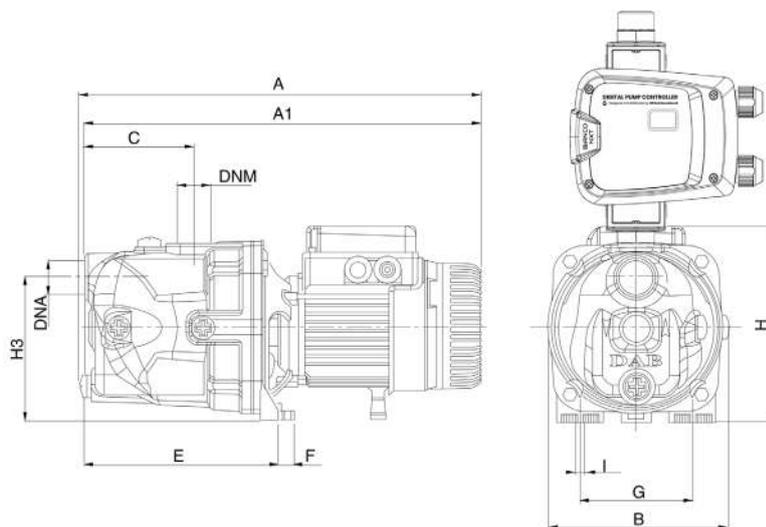


CURVE



DIMENSIONS

A	414
A1	409
B	178
C	108
E	197
F	14
G	111
H	203
H3	144
I	Dia 9
DNA	1" GAS
DNM	1" GAS



Height with controller fitted
 H3 + approx 226mm = 370mm

WARRANTY / CERTIFICATIONS

