

TUCSON®

Fluid Dynamics



Circulation Pumps

Boiler Pumps

Booster Pumps

Pressure Switches

Pump Accessories

Product Catalogue

Tucson Cast Iron Volute Circulation Pumps



ErP
COMPLIANT

Features

- User-friendly control panel
- Suitable for domestic & light commercial applications
- Robust construction
- Compact size
- Easy installation
- 3 years manufacturers warranty

Technical Data

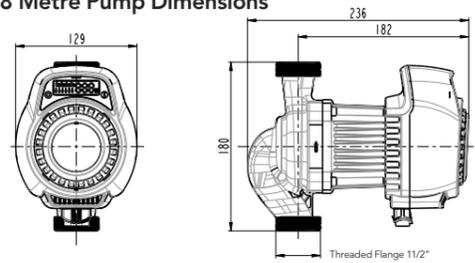
- EEI (Energy Efficiency Index) ≤ 0.23 Part 2
- Voltage: Single Phase, 230 volts +/-10%
- Frequency: 50 Hz
- 5M & 6M Speed: 1 to 3 + Auto
- 8M Speed: 1 to 6 + Auto
- Insulation: Class F
- Operating Environment Temperature: 5°C to 40°C
- Minimum and Maximum Fluid Temperatures: 5°C to 95°C
- Max Working Pressure: 10 Bar
- Min Working Pressure: 0.05 Bar @ 50°C
- Waterproof Rating: IP44
- Flange threaded connection dimension - 1 1/2" BSP/G 11/2
- 5 & 6M Pump Weight: 2.35Kg
- Volute / Manifold Material: Cast Iron
- Volute coating material - Electrophoresis
- 8M Pump Weight: 3.6Kg

Accessories Included

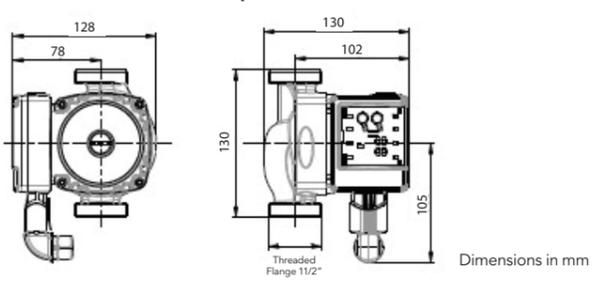
- 5M & 6M - Terminal Plug and Rubber Gaskets
- 8M - Terminal Plug and Rubber Gaskets

CODE	PRODUCT	PALLET QTY	PRICE €
771903	5 Metre Head	256	
771904	6 Metre Head	256	
771902	8 Metre Head	144	

8 Metre Pump Dimensions



5 Metre & 6 Metre Pump Dimensions



General notes - ErP (ecological design) directive
The benchmark for the most efficient circulators is EEI ≤ 0.20 Part 2

Tucson Bronze Volute Circulation Pump



ErP
COMPLIANT

Features

- User-friendly control panel
- Suitable for domestic & light commercial applications
- Robust construction with corrosion resistant materials
- Compact size
- Easy installation
- 3 years manufacturers warranty

Technical Data

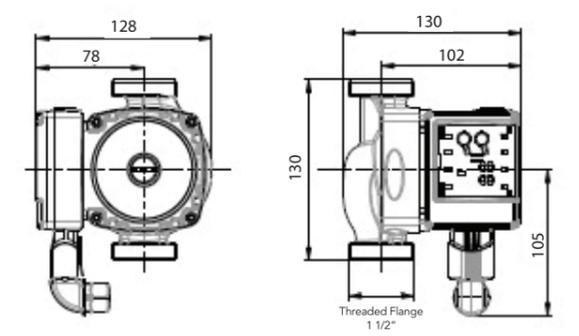
- EEI (Energy Efficiency Index) ≤ 0.23 Part 2
- Voltage: Single Phase, 230 volts +/-10%
- Frequency: 50 Hz
- Speed: 1 to 3 + Auto
- Insulation: Class H
- Operating Environment Temperature: 5°C to 40°C
- Minimum and Maximum Fluid Temperatures: 5°C to 110°C
- Max Working Pressure: 10 Bar
- Min Working Pressure: 0.05 Bar @ 50°C
- Waterproof Rating: IP42
- Flange threaded connection dimension - 1 1/2" BSP/G 11/2
- Volute / Manifold Material: Bronze
- Volute coating material - Electrophoresis
- Pump Weight: 2.5Kg

Accessories Included

- Terminal Plug and Rubber Gaskets

CODE	PRODUCT	PALLET QTY	PRICE €
771917	6 Metre Head	256	

6 Metre Bronze Body Pump Dimensions



Dimensions in mm

Tucson Stainless Steel Volute Circulation Pumps



Features

- Volute dimension available in 130mm & 180mm
- User-friendly control panel
- Suitable for domestic and light commercial applications
- Robust construction
- Made from corrosion resistant 304 Grade Stainless Steel
- Compact size
- Easy installation
- 3 years manufacturers warranty

Technical Data

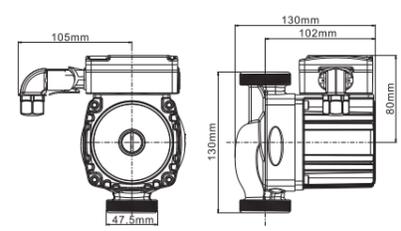
- EEI (Energy Efficiency Index) ≤ 0.23 Part 2
- Voltage: Single Phase, 230 volts +/-10%
- Frequency: 50 Hz
- 1 to 3 + Auto Speed
- Insulation: Class F
- Operating Environment Temperature: 5°C to 40°C
- Minimum and Maximum Fluid Temperatures: 5°C to 95°C
- Max Working Pressure: 10 Bar
- Min Working Pressure: 0.05 Bar @ 50°C
- Waterproof Rating: IP44
- Flange threaded connection dimension - 1 1/2" BSP/G 11/2
- Volute / Manifold Material: 304 grade Stainless Steel
- Volute coating material - Electrophoresis.
- Pump Weight: 2.35Kg

Accessories Included

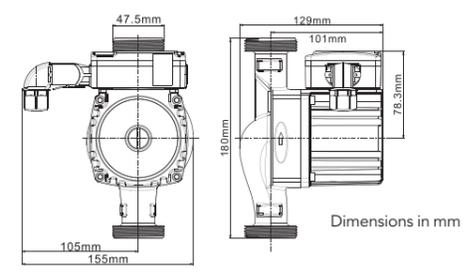
- Terminal Plug and Rubber Gaskets

CODE	PRODUCT	PALLET QTY	PRICE €
771912	6 Metre Head 130mm	144	
771913	6 Metre Head 180mm	144	

6 Metre 130mm Pump Dimensions



6 Metre 180mm Pump Dimensions



General notes - ErP (ecological design) directive
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Tucson OB Circulation Pumps with PWM Control



Features

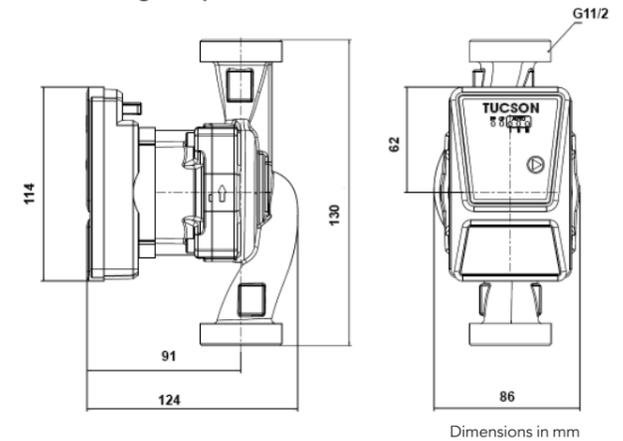
- Available in both 6 & 8 Metre Head
- Domestic & light commercial applications
- Robust construction
- Compact design dimensions
- Reduced weight design
- Easy installation
- 3 years manufacturers warranty
- Plug & play cabling
- Pulse Width Modulation (PWM) terminal
- Boiler retro-fit friendly
- TF value of 110°C

Technical Data

- EEI (Energy Efficiency Index) ≤ 0.23 Part 2
- Voltage: Single Phase, 230 volts
- Frequency: 50 Hz
- Insulation: Class F
- Operating Environment Temperature: 0°C to 40°C
- Minimum and Maximum Fluid Temperatures: 2°C to 110°C
- Max Working Pressure: 10 Bar
- Min Working Pressure: 0.05 Bar @ 75°C
- Waterproof Rating: IP44
- Motor Housing material YL102
- Flange threaded connection dimension - 1 1/2" BSP/G 11/2
- Volute / Manifold Material: Cast Iron
- Volute coating material - Electrophoresis.
- Pump Weight: 1.6Kg

CODE	PRODUCT	PALLET QTY	PRICE €
771946	6 Metre Head	256	
771947	8 Metre Head	256	
771948	PWM Adaptor Wilomat™ Compatible		
771949	PWM Adaptor Grundfos® Compatible		

Tucson 6 & 8 Metre Head OB Circulating Pump with PWM Control



Accessories Included

- AC power cable (stripped end) x1
- AC power cable adapter (Grundfos® Compatible Connection) x1
- AC power cable adapter (Wilomat™ Compatible Connection) x1
- Rubber Gaskets

1 YEAR WARRANTY

Tucson GBPHR Boiler Pump Head Replacement with PWM Control



Features

- High performance modulating pump
- Optional pulse width modulation (PWM)
- Simple & easy retro-fit in most boiler brands
- Easy set up to maximise boiler efficiency
- 1 year manufacturers warranty
- ErP Compliant

Technical Data

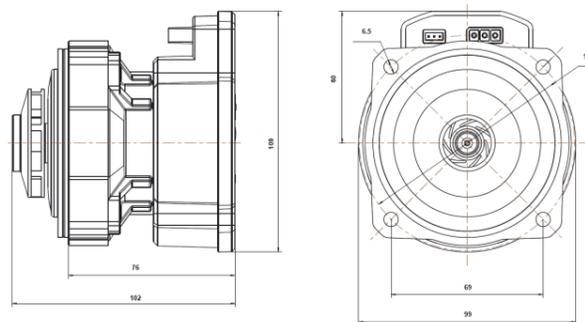
- EEI (Energy Efficiency Index) ≤ 0.23 Part 3
- Pump head pressure range from 4-8M
- Flow rate range up to 31.6 L/min
- Pumped liquid temperature range +2°C - 110°C
- Operating environment temperature 0°C - 40°C
- Relative ambient humidity: 95%
- Voltage / Frequency: 230V, 50/60Hz
- Maximum system pressure: 10 Bar
- Ingress protection: IP44
- Decibel rating: 43 dB
- Insulation class: F
- Pump weight: 1.1Kg

Product Includes:

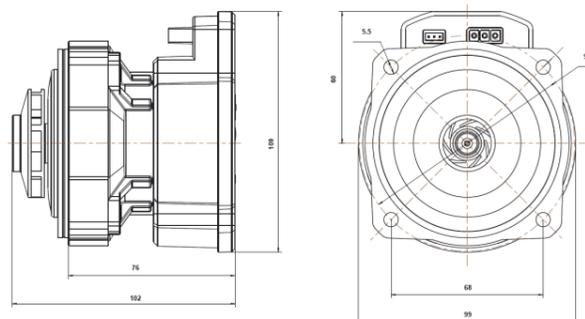
- Tucson GBPHR/8/ Pump x1
- Replacement Flange O Rings x2
- Volute assembly Studs x4
- AC power cable (stripped end) x1
- IP Rated terminal block x1
- Quick-fit AC power cable adaptor x1

CODE	PRODUCT	PALLET QTY	PRICE €
771928	GBPHR/8/CW	512	
771929	GBPHR/8/CCW	512	
771948	PWM Adaptor Wilco™ Compatible		
771949	PWM Adaptor Grundfos® Compatible		

GBPHR/8/CW Pump Dimensions



GBPHR/8/CCW Pump Dimensions



Tucson MBP45 Modulating Booster Pump



MBP45 Features

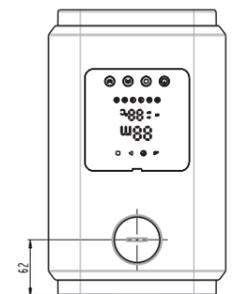
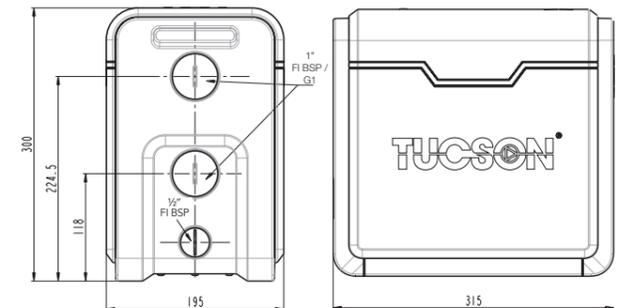
- Automatic multistage centrifugal pumping system
- Constant or modulating select feature
- Pressure select feature
- Utilises dry run protection feature
- High temperature warning feature
- Ergonomic and compact design
- Easy to install and operate
- Utilises an integrated flow switch
- Utilises an integrated pressure switch
- Utilises an integrated non-return valve
- User friendly integrated control panel
- Powerful & efficient variable speed motor
- 3 years manufacturers warranty
- High-performance air-cooled motor housing
- Adjustable constant pressure motor controller
- Robust component design and construction
- Suitable for domestic & light commercial applications
- Quiet operation, less than 45 DB at five metres distance
- Self Priming Feature—Up to 8 metres
- Anti-cease function—initiates the pump to run for 10 seconds should it not be called on to pump for a period of 24 hours or more
- Incorporates a "Loss of system pressure" indicator on the control panel

Technical Data

- Motor Size: 0.8 HP / 600 Watt
- Motor Type: Variable Speed
- Rated Head: 25M
- Maximum Head: 45M
- Maximum Pressure: 4.5 Bar
- Maximum Flowrate / Q Max: 4.5M Cubed / 75L/Min
- Minimum and Maximum Fluid Temperatures: 5°C to 50°C
- Operating environment temperature 5 – 50 Degrees
- Motor water proof rating: IP44
- Maximum operating pressure 10 Bar
- Insulation class-F
- Pump weight: 14.2 Kg
- Inlet and Outlet connection sizing – 1" FI BSP/G1

CODE	PRODUCT	PALLET QTY	PRICE €
771918	MBP45	24	

MBP-45 Pump Dimensions



Dimensions in mm

3 YEAR WARRANTY



Tucson SBP90 Constant Speed Booster Pump

Pressure Switches



APS1
1" BSP / G1 Connections

Pressure Switches

CODE	SIZE	BOX QTY	PRICE €
771900	MPS1 - Pressure Switch Manual	50	
771905	MPS2LP - Loss of Prime Manual Pressure Switch	50	
771901	APS1 - Automatic Pressure Switch 1	12	
771907	APS2 - Automatic Pressure Switch 2	12	

SBP90 Features

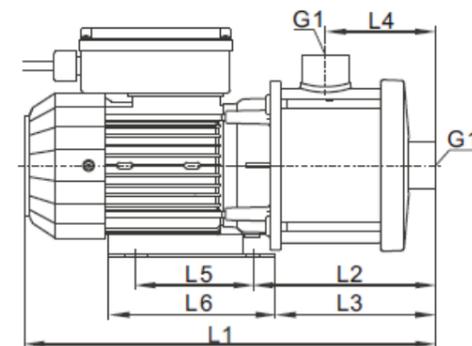
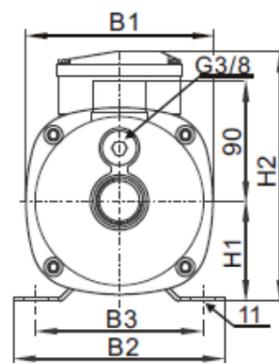
- Compact design
- Powerful & efficient
- Easy to install and operate
- Utilises dry run protection
- Utilises an integrated flow switch
- Utilises an integrated pressure switch
- Utilises an integrated non-return valve
- Adjustable start-up pressure controller
- User friendly unintegrated control panel
- High-performance air-cooled motor housing
- Automatic multistage centrifugal pumping system
- Suitable for domestic & light commercial applications
- Robust construction with stainless steel bodied pump
- Quiet operation, less than 45 DB at five meters distance
- 3 years manufacturers warranty

Technical Data

- Motor Size: ½ HP / 370 Watt
- Motor Type: Induction
- Rated Head: 33M
- Maximum Head: 37M
- Maximum Pressure: 3.7 Bar
- Maximum Flowrate / Q Max: 4 M Cubed / 66.6 L/Min
- Maximum Fluid Temperature: 50°C
- Operating environment temperature 5 – 50°C
- Motor water proof rating: IP55
- Controller water proof rating: IP65
- Controller Maximum operating pressure 10 Bar
- Insulation class-F
- Pump weight: 9.2 Kg
- Inlet and Outlet connection sizing: 1" FI BSP/G1 & 1" MI BSP/G1

CODE	PRODUCT	PALLET QTY	PRICE €
771909	SBP-90	28	

SBP-90 Pump Dimensions

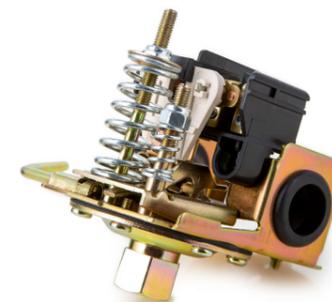


B1	B2	B3	H1	H2	L1	L2	L3	L4	L5	L6	G1
140	158	125	75	174	318	131	113	72	96	136	1" FI BSP

Dimensions in mm



MPS1



MPS2LP



APS2
1" BSP / G1 Connections

MPS2LP

A loss of prime pressure switch is essentially a "Dry-Run" protection device for a well pump. Typically used where an independent well application uses a submersible or overground pump.

When installed this switch can identify Low Pressure in the supply pipework, should the pump pressure fall below 14 psi / 1 Bar, the loss of prime pressure switch will then initiate and isolate the power supply to the pump, thus protecting the pump from overheating.

3 YEAR WARRANTY

Pump Accessories

Tucson Flexible Connection Pump Hoses- WRAS Approved EPDM

Component Material:
CW617N Brass, Stainless Steel Braided, EPDM Rubber

CODE	SIZE	HOSE LENGTH	BOX QTY	PRICE €
771481	1" BSP MI x FI	500mm	50	
771482	1" BSP FI x FI	500mm	50	
771483	1" BSP MI x FI	750mm	50	
771484	1" BSP FI x FI	750mm	50	
771485	1" BSP FI x FI 90° Swept Elbow	500mm	50	
771486	1" BSP FI x FI 1M 90° Elbow	1000mm	50	



All hoses are supplied with gasket washers

Tucson Lever Action Pump Valves

Component Material:
Chrome Plated CW617N Brass Valve with Carbon Steel Handle

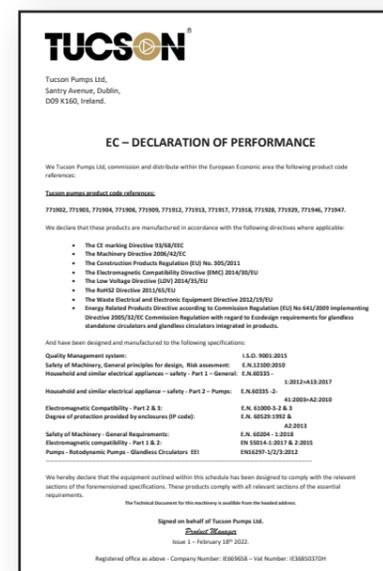
CODE	SIZE	BOX QTY	PRICE €
771961	1½" BSP x ¾" CxC	50	
771962	1½" BSP x 1" CxC	50	
771963	1½" BSP x 22mm CxC	50	
771964	½" BSP x 28mm CxC	50	
771965	1½" BSP x ¾" FI	50	
771966	1½" BSP x 1" FI	50	



All valves are supplied with gasket washers

Tucson Equinox Flanges

CODE	SIZE	BOX QTY	PRICE €
759003	1" BSP Male x 22mm Spigot	10	
759006	1" BSP Male x 21mm Spigot	10	



Certifications

TUCSON[®]

Fluid Dynamics

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