

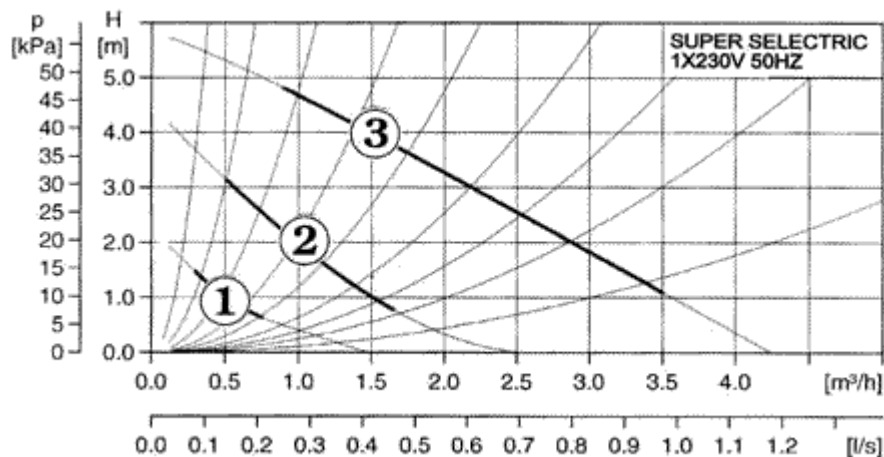
SUPER SELECTRIC UPS15-60 DOMESTIC CIRCULATOR



The Super Selectric UPS 15-60 has been designed to cater for the larger domestic heating systems covering frictional resistances up to 60 kPa. Three speed settings are provided, enabling the pump to be matched to a given duty and, providing reduced running costs at the lower speed settings.

The same high standards of materials are employed, as for UPS15-50 models, for long life and resistance to corrosion. A range of adaptors is available enabling easy interchange when replacing old pumps.

PERFORMANCE RANGE UPS 50HZ



UPS 15 - 60

PERFORMANCE RANGE

The performance range covers heating systems up to 120,000 BTU's/hr with flowrates up to 1.1 litres/sec and, frictional resistance up to 60 kPa.

MAXIMUM OPERATING TEMPERATURES

System Water Temp°C 110 105 100 90 80 Ambient Temperature°C 50 55 60 70 80 Water Temperature Range: +15°C to 110°C. To avoid condensation in the motor windings the pumped liquid temperature must always be higher than the ambient temperature. Pressures up to 10 Bar (145 psig). Maximum ambient temperature 80°C.

CONNECTIONS

The UPS 15-60 130mm can be fitted with 22mm Copper Tails; 1" BSP Unions and, 22mm valves (not supplied).

ELECTRICAL SUPPLY

Standard electrical supply is 240V 1Ph 50Hz.

INSTALLATION

It is preferable to install Grundfos circulators in a vertical pipe pumping upwards. This position ensures that the pump shaft is horizontal, which reduces the thrust bearing load and ensures positive air purging from both the rotor chamber and impeller housing. Pumping downwards in a vertical pipe is not recommended as this may lead to air locking of the pump, with resultant loss of performance. However, pumping downwards is acceptable provided an effective air vent is incorporated in the system, before the pump.

CONSTRUCTION: STANDARD MATERIALS

Shaft Bush - Stainless Steel BS 1449 304 S15.
Rotor Ca - n Stainless Steel BS 1449 304 S15.
Rotor Cladding - Stainless Steel BS 1449 304 S15.
Bearing Plate - Stainless Steel BS 1449 304 S15.
Thrust Bearing Cover - Stainless Steel BS 1449 304 S15.
Pump Housing - Cast Iron
Upper Bearing - Ceramics
Lower Bearing - Ceramics
Shaft Ends - Ceramics
Thrust Bearing - Carbon
Stator Housing - Aluminium
Terminal Box - Plastics
Seal - Plastics
'O' Rings - EPDM Rubber
Gasket - EPDM Rubber

Where pumps can only be installed in horizontal pipework, it is imperative that the pump shaft is horizontal, or slightly higher at the vent plug end.
The shaft must not fall below the horizontal plane, even by a few degrees, as this causes premature wear of the top bearing and shaft.
Pumps should not be installed with the shaft in a vertical plane, as this may lead to dry running of the top bearing, noise and possible pump failure.
To avoid cavitation noise and, risk of damage to the bearings the minimum inlet pressure should be 0.5m at 75°C and 1.5m at 82°C.(water temperature).

DIMENSIONS mm - UPS15 – 60

