

# PBP (PERIPHERAL BOOSTER PUMP)

**BLAIRS** peripheral booster Pump is an equipment to achieve the right water pressure in a small domestic application. The automatic pressure systems are designed to automatically start and stop the pump on opening and closing of taps. pumps are able to offer high performance, consuming low power, reliable, economical, and simple to use which have particularly steady operating curves. For the correct functioning of the pump, use clean water. Pump is coupled with a Compact designed composed pump, a manometer, a Pressure diaphragm tank, a pressure adjustable switch, and a 3 or 5 ways connection in stamped brass. These pumps should be installed in a covered area, protected against the weather.

**BLAIRS** peripheral booster Pump **AUTO SPIN** is coupled with a **ELECTRONIC FLOW SWITCH** It makes the electric pump start when detecting a minimum fluid dropping movement into the pipe. **AUTO SPIN** Pumps shutdown suitably internally when the flow has been interrupted (taps closing or no water on suction side) from 10 to 180 seconds. It protects against the dry running, standard interval 60 min/4 attempts. No need of maintenance

### APPLICATION

**BLAIRS** peripheral booster's pumps are particularly suitable for domestic applications and for automatic distribution of water from surge tanks, watering gardens and to boosting the insufficient water pressure supply from wells, domestic Storage tanks, To lifting water and distribution in domestic fittings to increase the pressure in aqueducts & automatic water distribution by small and medium sized Pressure tanks or by hydrosphere units.

### PERFORMANCE RANGE

Flow rate up to 50 l/min.(3.0m<sup>3</sup>/h)  
Head up to 60 m

### OPERATING LIMITS

Suction lift up to 8 m  
Fluid temperature up to 60°C  
Maximum ambient temperature 40°C

### STRUCTURAL CHARACTERISTICS

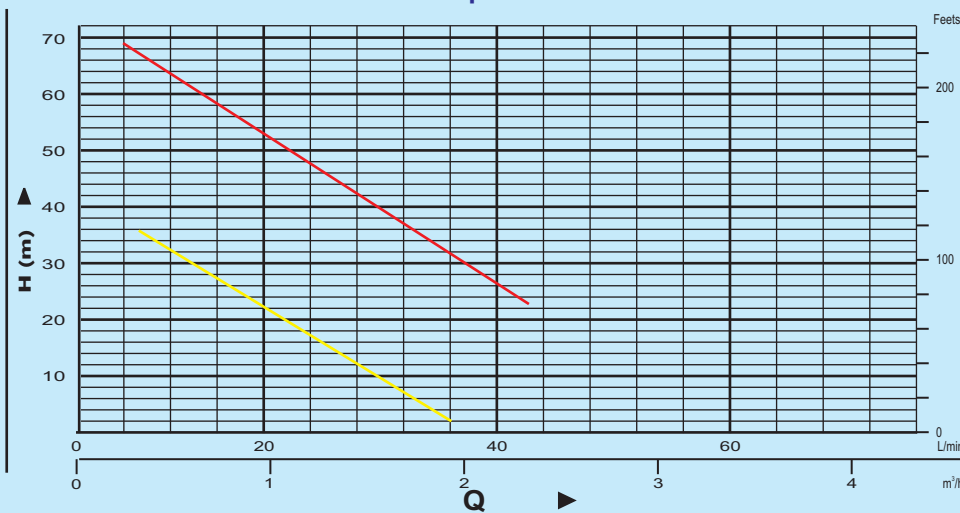
Pump body Cast Iron  
Motor Support Cast Iron  
Impeller Brass  
Shaft with rotor Stainless Steel  
Mechanical seal Carbon/Ceramic

### MOTOR

Built-in overload motor protector with automatic reset  
Permanent split capacitor  
Protection IP 44



### PERFORMANCE CHART AT n=2900rpm



Pump Model	POWER		Q	0	0.3	0.6	1	1.2	1.5	1.8	2.1	2.4	3.0
	KW	HP	m <sup>3</sup> /h	0	5	10	15	20	25	30	35	40	50
Single phase			l/min	0	5	10	15	20	25	30	35	40	50
● PBP 60	0.37	0.6	H (m)	40	38	33.5	29	24	19.5	15	10	5	
● PBP 80	0.6	0.8		70	66	61	56	51	46	41	36	31	22

H=TOTAL HEAD IN METERS.

Q=FLOW RATE