

JBP (JET BOOSTER PUMP)

BLAIRS Jet booster Pump is an equipment to achieve the right water resource/pressure. The automatic pressure systems are designed to automatically start and stop the pump on opening and closing of taps. Pressure booster Pump is coupled with a Compact designed composed pump, a manometer, a Pressure diaphragm tank, a pressure adjustable switch, dry running protector and a 3 or 5 ways connection in stamped brass. These pumps should be installed in a covered area, protected against the weather. Self priming jet pump has a very high hydraulic performance and a considerable pressure capacity. They are very silent and reliable.

APPLICATION

BLAIRS jet boosters are particularly suitable to increase pressure of water supply from wells, Storage tanks lifting and distribution in domestic fittings by small and medium sized Pressure tanks.

PERFORMANCE RANGE

Flow rate up to 225 l/min.(13.5 m³/h)
Head up to 60 m

OPERATING LIMITS

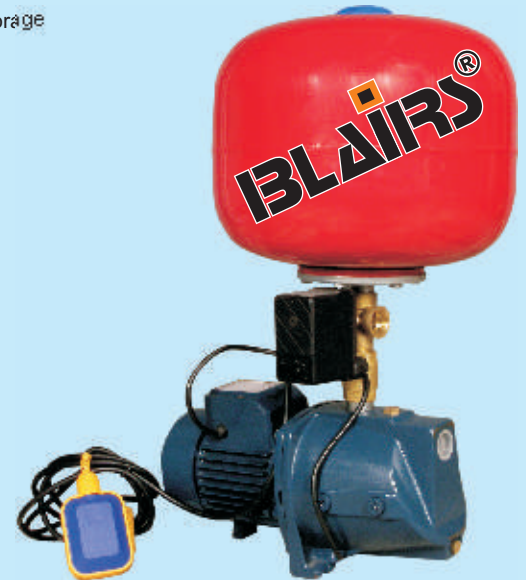
Suction lift up to 9 m
Fluid temperature up to 60°C
Maximum ambient temperature 40°C

STRUCTURAL CHARACTERISTICS

Pump body: Cast Iron
Pump body cover: Stainless steel
Motor Support: Aluminum
Impeller: Brass
Diffuser: Noryl
Pump flange: Stainless steel
Shaft with rotor: Stainless steel
Mechanical seal Carbon/Ceramic

MOTOR

Built-in overload motor protector with automatic reset
Permanent split capacitor
Protection IP 44
Shaft with rotor Stainless Steel

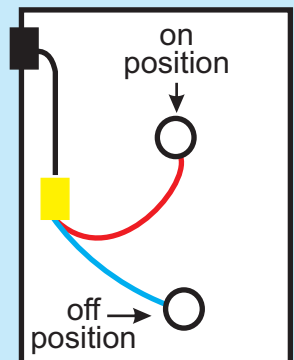
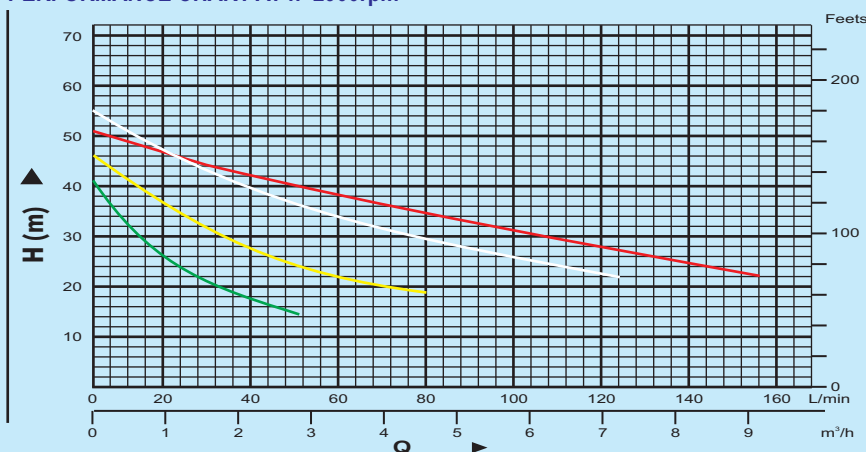


MODEL	POWER		Q	Flow Rate (m ³ /h)																		
	KW	HP	m ³ /h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3.0	3.6	4.2	4.8	6.0	7.2	8.4	9.6		
			l/min	0	5	10	15	20	25	30	35	40	50	60	70	80	100	120	140	160		
● JBP 70	0.5	0.7	H (m)	41	36	31	27	24	22	20	17	16	15									
● JBP 100	0.8	1.0		46	44	41	39	37	35	32	30	28	25	22	21	19						
● JBP 150	1.1	1.5		55	53	50	48	47	44	41	39	36	34	31	29	27	25	22				
● JBP 200	1.5	2.0		51	50	48	46	45	44	43	42	41	39	37	35	33	30	27	24	22		

H=TOTAL HEAD IN METERS.

Q=FLOW RATE

PERFORMANCE CHART AT n=2900rpm



DRY RUNNING PROTECTOR FUNCTIONING INSTRUCTIONS