



EBARA

Japanese Technology since 1912

Automatic Variable Speed Booster Pump

Type JET-E (P2)

APPLICATIONS

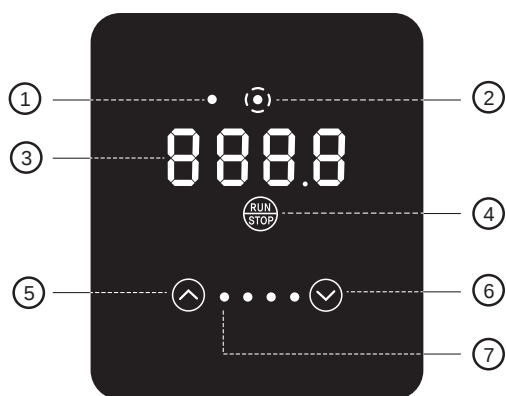
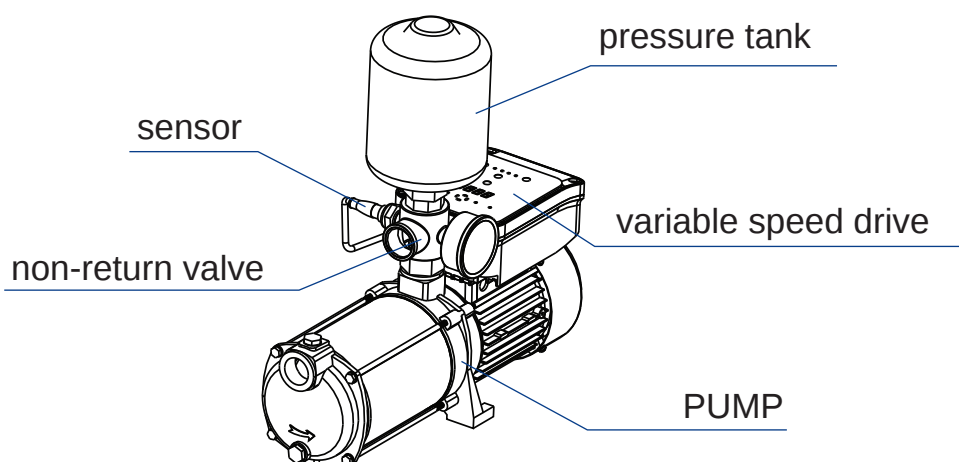
- Domestic water supply
- Household booster pump
- Small commercial water supply system

Jet-E (P2) is compact booster unit includes pump, variable speed drive, pressure sensor, pressure tank, pressure gauge and 5 way valve.

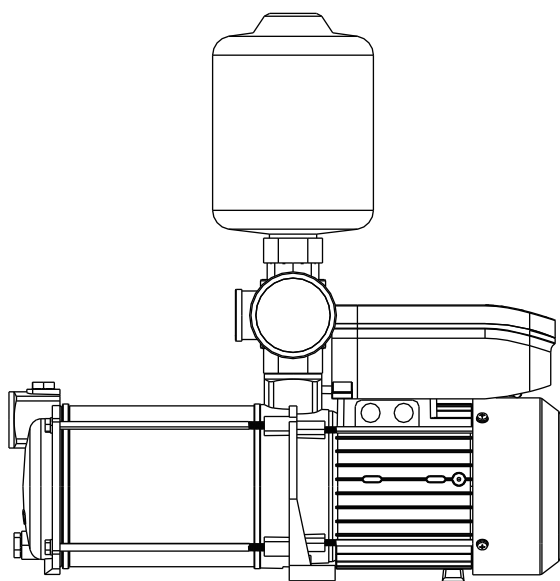
FEATURES

- Provide constant pressure for the user
- Quiet operation
- User friendly controller unit
- Permit easy installation
- Energy saving
- Dry-running protection
- Soft start/stop to eliminate water hammering



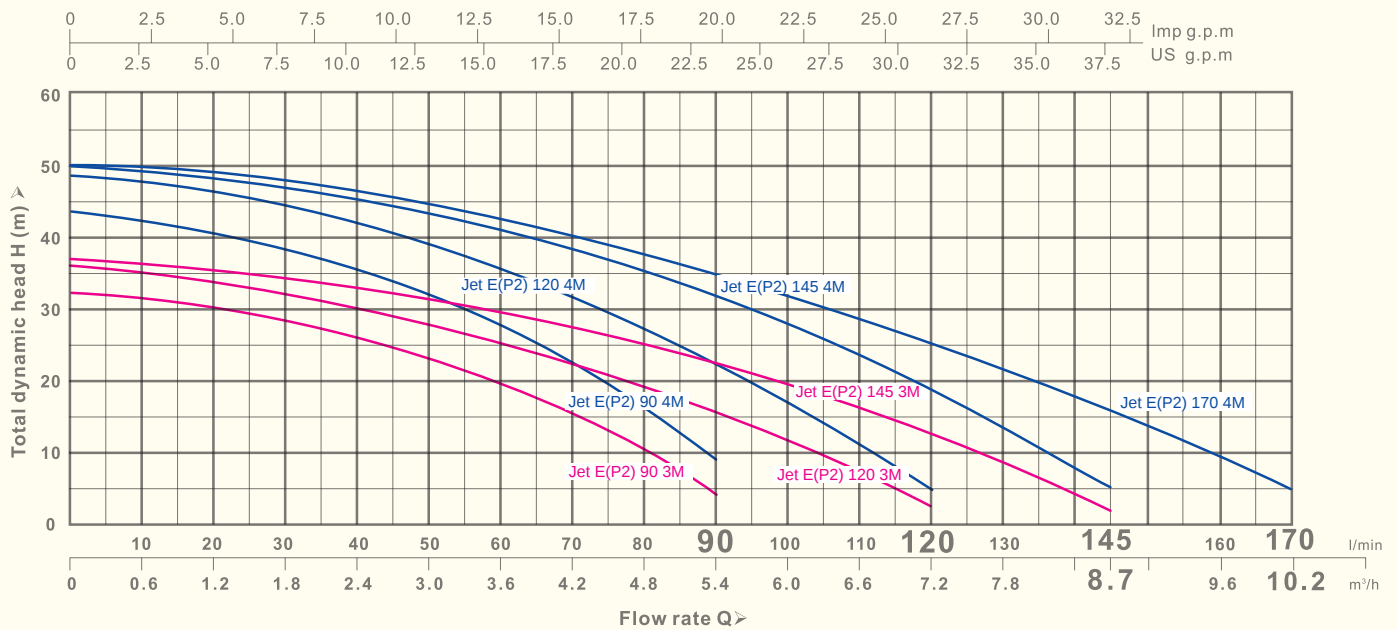
DESCRIPTION OF VFD CONTROLLER UNIT

Panel Display	Function
① Power indicator	Light is always on when power is on.
② Pump running indicator	The BLUE light is on while pump is running. The RED light is on means pump running fault. Light goes off when pump stops running.
③ Pressure display	Shows current system pressure.
④ Run and Stop button	Start or Stop the running of the pump.
⑤ Up button	Increase the pressure of water.
⑥ Down button	Decrease the pressure of water.
⑦ Flow running indicator	The water flow is running when BLUE light is flashing.

Easy Installation • User-Friendly • Auto Operation • Constant Pressure

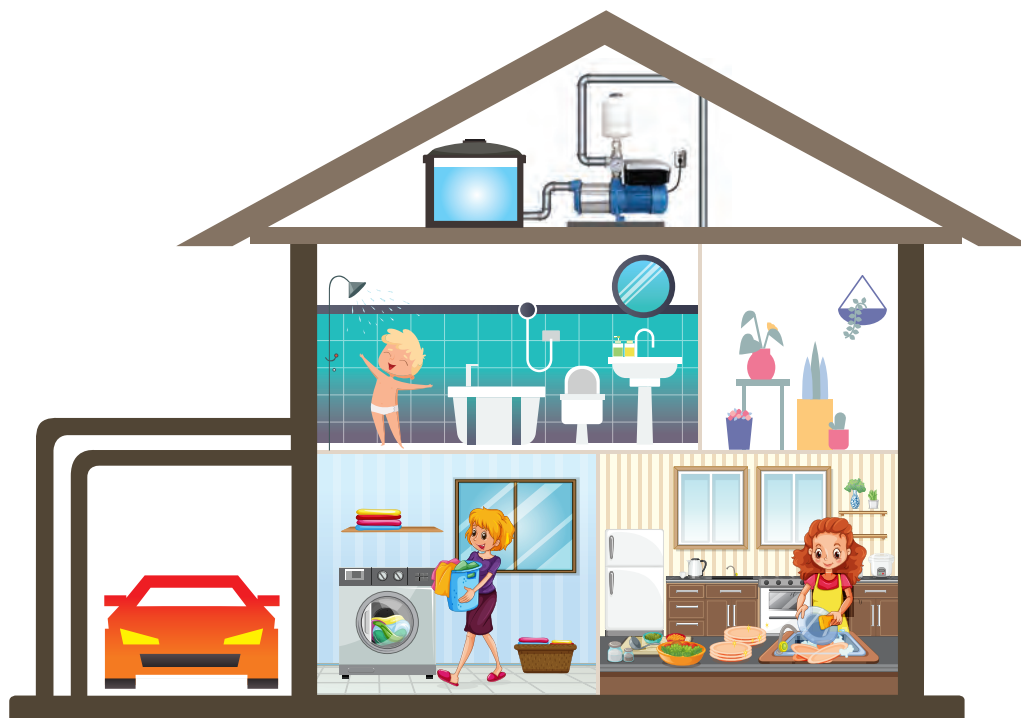
Contents	Description
Input Voltage	220 - 240V
Frequency	50 / 60 Hz
IP Rating	IP 55
Max. Ambient Temperature	45 degree celcius
Other Functions	Water shortage alarm Over voltage protection Over current protection

PERFORMANCE CHART



PUMP MODEL	Suct/Disch (inch)	Output kW	Q m³/h l/min	0	0.6	1.2	1.8	2.4	3.0	3.6	4.8	6.0	7.2	7.8	8.7	9.6	10.2
				0	10	20	30	40	50	60	80	100	120	130	145	160	170
Jet E(P2) 90-3	1" x 1"	0.75	H (m)	32	31	30	28	26	23	20	11	-	-	-	-	-	-
Jet E(P2) 90-4		0.85		43	42	41	39	36	33	29	17	-	-	-	-	-	-
Jet E(P2) 120-3	1 ¼" x 1"	0.75		36	35	33	31	30	27	25	18	11	2	-	-	-	-
Jet E(P2) 120-4		1.0		48	47	46	44	42	39	35	27	17	6	-	-	-	-
Jet E(P2) 145-3	1 ¼" x 1"	0.95		37	36	35	34	33	31	30	25	19	13	8	2	-	-
Jet E(P2) 145-4		1.3		50	49	48	46	45	43	41	35	28	18	14	5	-	-
Jet E(P2) 170-4	1 ¼" x 1 ¼"	1.4		50	49	48	47	46	45	43	38	32	26	22	17	9	5

TYPICAL INSTALLATION EXAMPLE



*Pump installed outdoor or expose to weather need protective pump cover.

SPECIFICATIONS

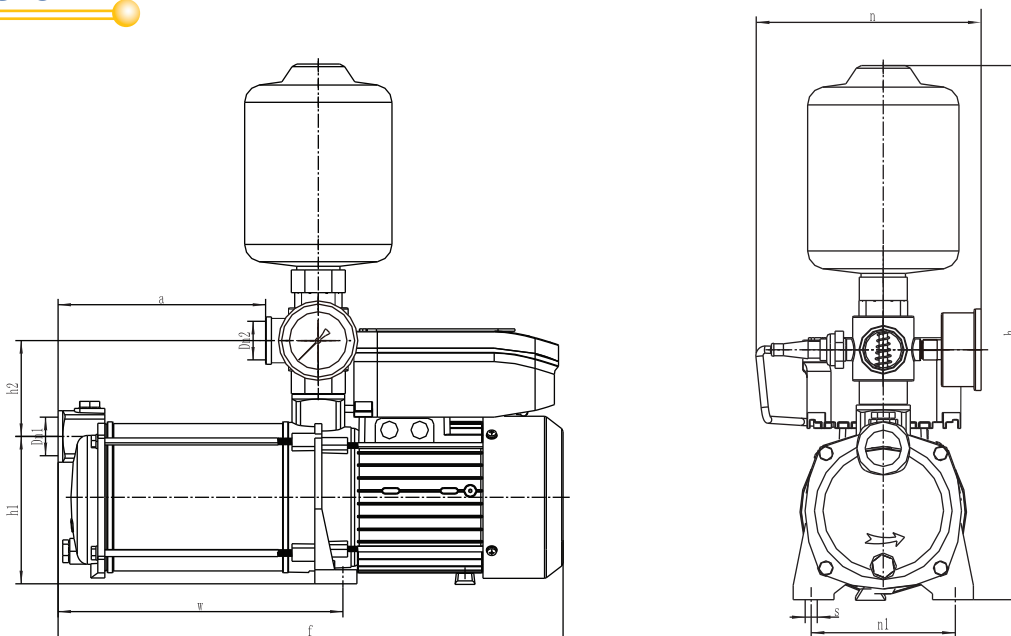
PUMP

- Self-priming centrifugal pump
- Liquid temperature : 0-40 °C
- Maximum flow : 170 l/min
- Maximum head : 50 meters
- Inlet and outlet end caps : cast iron
- Mechanical seal : graphite/silicon carbide/NBR/SS304
- Impeller : stainless steel
- Pump body : stainless steel
- Motor shaft : 316 stainless steel

MOTOR

- Asynchronous motor : 2 poles
- Protection level : IP55
**for outdoor installation, protection cover needed.*
- Insulation class : F class
- Continuous operation :
allow continuous uninterrupted operation
- Maximum working temperature : 45 °C

DIMENSION



PUMP MODEL	Dn1	Dn2	DIMENSION (mm)									Weight (kg)
			a	f	h	h1	h2	n	n1	w	s	
Jet E(P2) 90-3	1"	1"	124	387.5	484	126	94	195	120	190	10	14.0
Jet E(P2) 90-4			148.5	412	484	126	94	195	120	214.5	10	15.5
Jet E(P2) 120-3	1 1/4"	1"	124	387.5	484	126	94	195	120	190	10	14.5
Jet E(P2) 120-4			148.5	412	484	126	94	195	120	214.5	10	16.5
Jet E(P2) 145-3	1 1/4"	1"	124	387.5	484	126	94	195	120	190	10	15.5
Jet E(P2) 145-4			151.5	437	507	142	98	210	130	229.5	12	18.8
Jet E(P2) 170-4	1 1/4"	1 1/4"	151.5	437	548	142	132	210	130	229.5	12	20.9

* Dimensional details are provided for reference only.

* All specifications are subject to change without prior notice.



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