

Authorised Dealer



**VEMC**

VIJAY ENGINEERING AND MACHINERY CO.

**100** 1920  
2020

KIRLOSKAR BROTHERS LTD.



Enriching Lives

**HIGH CAPABILITY  
EXCEPTIONAL QUALITY**



# BCH PUMP

## Kirloskar Horizontal Multistage Pump

### Applications

Industrial and  
Domestic water  
Pressure Boosting

Feed water  
application  
in RO plant

High Pressure Liquid  
Circulation and Pumping  
in Industries

Air/conditioning  
and Cooling system

Car  
Washing

### TECHNICAL SPECIFICATION

- Head Range (M): up to 57 M
- Discharge Range: up to 28 m<sup>3</sup>/h
- Power Rating: 0.37 kW to 3.7 kW
- Voltage Range: 415 Volts $\pm$ 10% and 220 Volts $\pm$ 10%
- Insulation:F Class
- Protection: IP55
- Max Liquid Temp: 85° C

### MATERIAL OF CONSTRUCTION

- Impeller- SS 304
- Diffuser - SS 304
- Delivery Casing - CI
- Shaft- SS-304
- Motor Body - Aluminium
- Mechanical Seal – Carbon vs Ceramic

### FEATURES

- High Efficiency & Energy-saving Design
- Durable SS components.
- Low Noise level
- High head applications
- Dynamically Balanced Rotating Parts.

## Performance Table

**PERFORMANCE CHART FOR BCH2 SERIES , 2POLE, AT RATED VOLTAGE OF 220/415 VOLTS, 50 Hz FREQUENCY, SINGLE/THREE PHASE A.C. POWER SUPPLY**

Sr. No.	PUMP MODEL	POWER		CURRENT(A)		PIPE SIZE (MM)		DISCHARGE							
		kW	HP	1Ø	3Ø	Suc	Del	Q (m³/h)	0	0.6	1.2	1.8	2.4	3.0	3.6
1	BCH2-20	0.37	0.5	2.4	1.1	25	25	Head (m)	18	16	15	13	12	10	8
2	BCH2-30	0.37	0.5	2.8	1.1	25	25		27	24	22	20	18	16	12
3	BCH2-40	0.55	0.75	3.3	1.5	25	25		35	33	30	26	24	21	16
4	BCH2-50	0.55	0.75	3.6	1.9	25	25		45	40	37	33	30	24	19
5	BCH2-60	0.75	1.0	4.5	2.1	25	25		53	50	45	40	36	30	23

**PERFORMANCE CHART FOR BCH4 SERIES , 2POLE, AT RATED VOLTAGE OF 220/415 VOLTS, 50 Hz FREQUENCY, SINGLE/THREE PHASE A.C. POWER SUPPLY**

Sr. No.	MODEL PUMP	POWER		CURRENT(A)		PIPE SIZE (MM)		DISCHARGE								
		kW	HP	1Ø	3Ø	Suc	Del	Q (m³/h)	0	1	2	3	4	5	6	7
1	BCH4-20	0.55	0.75	3.5	1.6	32	25	Head (m)	18	17	16	15	13	12	10	8
2	BCH4-30	0.55	0.75	4.0	1.8	32	25		28	27	25	23	21	19	16	13
3	BCH4-40	0.75	1.0	5.0	2.2	32	25		38	36	34	32	28	26	22	17
4	BCH4-50	1.1	1.5	6.2	2.5	32	25		48	46	43	40	36	33	28	21
5	BCH4-60	1.1	1.5	6.8	2.7	32	25		58	55	52	48	43	39	33	26

**PERFORMANCE CHART FOR BCH10 SERIES , 2POLE, AT RATED VOLTAGE OF 220/415 VOLTS, 50 Hz FREQUENCY, SINGLE/THREE PHASE A.C. POWER SUPPLY**

Sr. No.	PUMP MODEL	POWER		CURRENT(A)		PIPE SIZE (MM)		DISCHARGE										
		kW	HP	1Ø	3Ø	Suc	Del	Q (m³/h)	0	2	4	6	7	8	9	10	11	12
1	BCH10-10	0.75	1.0	2.9	1.4	38	32	Head (m)	10.1	9.8	9.6	9.1	8.7	8.2	7.7	6.8	5.8	-
2	BCH10-20	0.75	1.0	4.4	1.9	38	32		19.5	19	18.7	17.9	17.1	16.3	15.3	14.0	12.5	10.6
3	BCH10-30	1.1	1.5	6.3	2.6	38	32		29.3	28.6	28.3	27.1	26.3	24.9	23.4	21.4	19.3	16.9
4	BCH10-40	1.5	2.0	8.2	3.3	38	32		38.1	39.6	39.8	38.6	37.6	35.9	33.9	31.2	28.2	24.6
5	BCH10-50	2.2	3.0	10.0	4.1	38	32		49.9	49.2	49.1	47.8	46.4	44.4	42.2	39.5	35.9	31.1

**PERFORMANCE CHART FOR BCH15 SERIES , 2POLE, AT RATED VOLTAGE OF 220/415 VOLTS, 50 Hz FREQUENCY, SINGLE/THREE PHASE A.C. POWER SUPPLY**

Sr. No.	PUMP MODEL	POWER		CURRENT(A)		PIPE SIZE (MM)		DISCHARGE								
		kW	HP	1Ø	3Ø	Suc	Del	Q (m³/h)	0	3	6	9	12	15	18	21
1	BCH15-10	1.1	1.5	5.5	2.3	50	50	Head (m)	13.9	13.5	13.1	12.4	11.6	10.6	9.4	8.2
2	BCH15-20	2.2	3.0	9.8	4.0	50	50		27.8	27.5	26.7	25.6	24.1	22.7	21.1	18.8
3	BCH15-30	3.0	4.0	-	6.1	50	50		42.1	40.9	39.8	38.7	36.9	34.9	31.9	28.5
4	BCH15-40	3.7	5.0	-	7.7	50	50		55.5	54.3	52.8	51.8	49.7	46.8	42.9	38.3

**PERFORMANCE CHART FOR BCH20 SERIES , 2POLE, AT RATED VOLTAGE OF 220/415 VOLTS, 50 Hz FREQUENCY, SINGLE/THREE PHASE A.C. POWER SUPPLY**

Sr. No.	PUMP MODEL	POWER		CURRENT(A)		PIPE SIZE (MM)		DISCHARGE								
		kW	HP	1Ø	3Ø	Suc	Del	Q (m³/h)	0	4	8	12	16	20	24	28
1	BCH20-10	1.1	1.5	6.5	2.6	50	50	Head(m)	13.6	13.3	12.8	12.1	10.8	9.5	7.8	5.7
2	BCH20-20	2.2	3.0	11.9	4.7	50	50		28.5	27.8	27.0	26.1	24.4	22.4	19.8	17.2
3	BCH20-30	3.7	5.0	-	7.4	50	50		42.5	41.6	40.9	39.9	38.0	35.5	31.4	26.9
4	BCH20-40	3.7	5.0	-	9.3	50	50		56.6	55.2	54.2	52.7	50.1	45.9	40.3	34

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