



## ALGO GROUP OF COMPANIES

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An ISO 9001 & 14001 Company

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## High Pressure Multistage Pumps -50Hz



[www.algopumps.com](http://www.algopumps.com)



## Algo Profile

Algo positions itself as not just a pump manufacturing company but as a dependable, technologically sound and one stop solution provider to meet the diverse needs of customers across the globe. Understanding the need of efficient and cost effective pumping solutions and fluid management systems ALGO is established by the veterans having more than 33 years of diversified experience.

To overcome the current challenges in providing energy efficient and complete pumping solutions and meet the requirement of discerning customers ALGO is determined to offer technologically integrated and inventive pumping systems & Solutions at affordable prices.

With the vast experience gained in both domestic and international markets ALGO products are designed and produced with synergy of best in class technologies and processes with international standards. Most of its products are ISI certified and manufacturing facilities are accredited with ISO 9001 & 14001 COMPANY

Algo stays abreast of the major changes worldwide in terms of technology and processes. This combines with the ability to understand customers' requirement allows for the development of products that meet the challenges of tomorrow.

Algo has comprehensive range of products to cater Residential, Agriculture, Building services, Industrial & waste water segments. Algo's highly qualified Engineers and technicians assure satisfactory service at all time

The ability & Impetus of ALGO in product development, Pricing, Promotion, e-commerce strategies will result in sustainable competitive advantages for all stake holders. We at ALGO always strive to focus on current industry trend and meet the next generation pumping requirements.

## VISION MISSION VALUES

To provide technologically integrated and ultramodern fluid management systems and solutions for diversified applications at affordable prices and become one of the pump majors globally

To ensure that we meet all the standards of safety, efficiency, hygiene and environment protection and contribute significantly in developing systems for energy saving.

Our Values are defined by our dedication to Quality, Principles & success of the company and its stakeholders.

## ALGO Value Proposition

Affordable Price

Longer Life

Greater Performance

Outstanding Service

We are determined to offer reliable & Innovative products and services with high standards, dedicated to understand & meet customers' requirements on time.

We are committed to focus on introducing industry best technologies & concepts to save energy, protect environment and to give high priority for customers' satisfaction



Chairman & Managing Director  
ALGO GROUP OF COMPANIES

- Group Companies in India
- International Stock Hubs
- Overseas Customers

## Our Global Network



**100+**  
Product Variants

**33+**  
Years Experience

**6000+**  
Models

**1400+**  
Distributors

**800+**  
Service Centres

**30+**  
Venture Partners  
in India & abroad

**80+**  
Countries Export

**6**  
Group Companies in India

**3**  
Times Export  
Award Winner

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## TECHNICAL DETAILS



## ZALA MAX

## PERFORMANCE CURVES

### Specification

Power	1.3 to 3HP
Speed	2900 rpm
Version	1Ph 230V, 50Hz 3Ph 415V, 50Hz
Duty	S1 ( Continuous )
Protection	IP 55
Insulation Class	F
Head Range	8 to 132 m
Flow Range	16 to 100 lpm

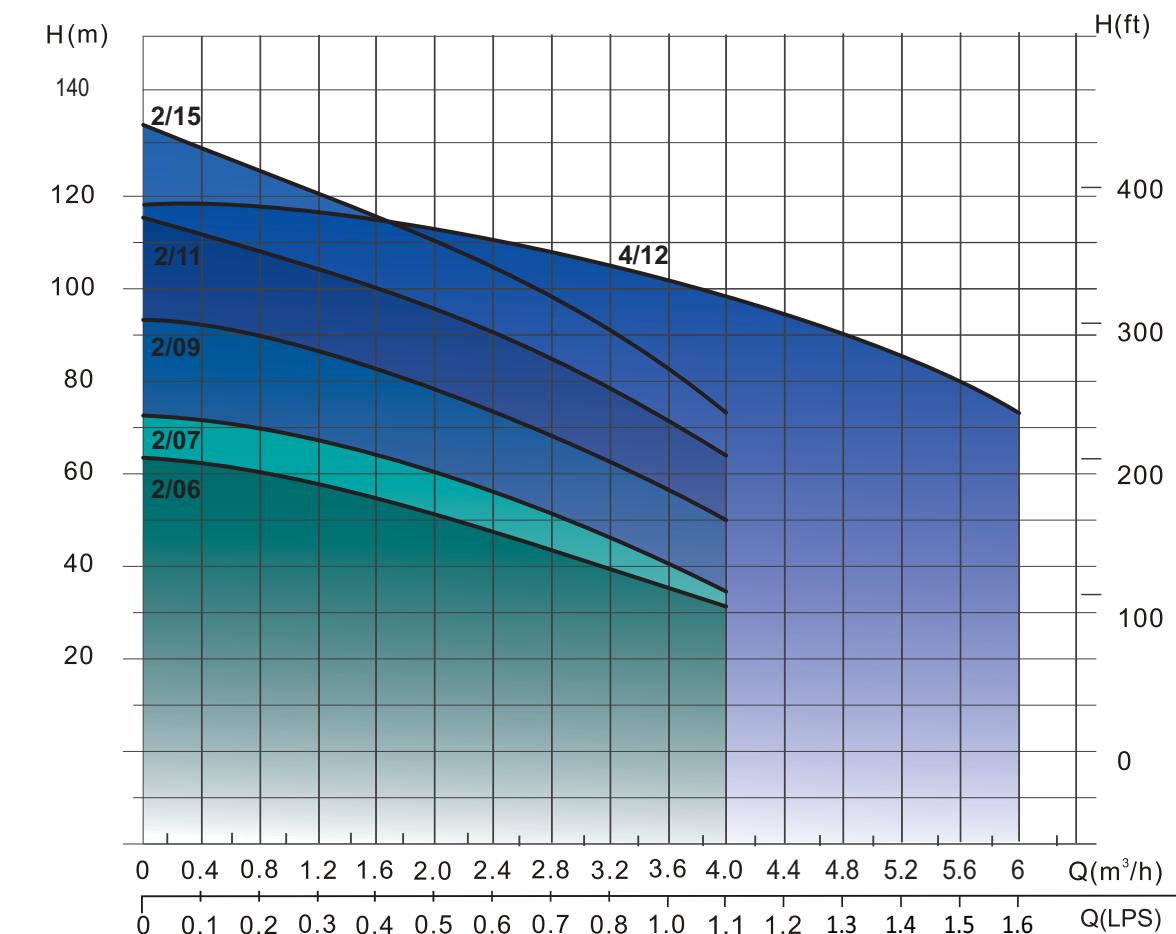
### Materials of Construction

Pump Base & Bracket	Cast Iron
Impeller & Diffuser	Techno Polymer PPO
Shaft	Stainless Steel
Mechanical Seal	Carbon Ceramic
Bearings	NSK
Outer Shell	Stainless Steel

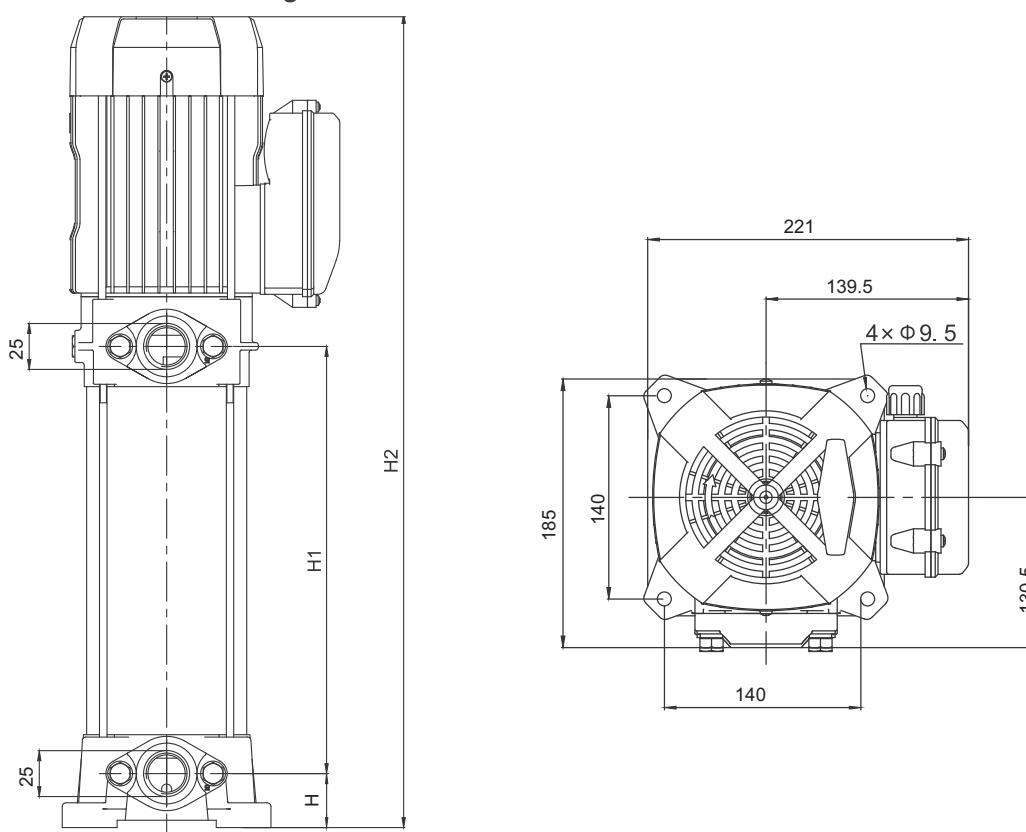
### Applications

Reverse Osmosis Plants	Max. Liquid Temp.	80°C
Pressure Boosting	Max. Ambient Temp.	50°C
HVAC	Max. Operating Pressure	1.0Mpa
Fire Fighting		
Washing Systems		

### Operating Conditions



### Dimension & Weight Details



### Performance Table

Model	kW	HP	Pump Size (mm)	m³/h	0	1	2	3	4
ZalaMax-2/06	1.1	1.5	25x25	Head in Meters	63	58	51	43	32
ZalaMax-2/07	1.1	1.5	25x25		73	66	59	50	35
ZalaMax-2/09	1.5	2	25x25		93	87	79	68	50
ZalaMax-2/11	1.85	2.5	25x25		116	107	97	84	65
ZalaMax-2/15	2.2	3	25x25		132	122	109	95	74
Model	kW	HP	Pump Size (mm)	m³/h	0	2	4	5	6
ZalaMax-4/12	2.2	3	25x25	Head in Meters	117	111	99	90	72

### Dimension Details

Model	H (mm)	H1 (mm)	H2 (mm)
ZalaMax-2/06	43.5	224.5	560.5
ZalaMax-2/07	43.5	248.5	584.5
ZalaMax-2/09	43.5	392.5	704.5
ZalaMax-2/11	43.5	128.5	401
ZalaMax-2/15	43.5	152.5	425
ZalaMax-4/12	43.5	320.5	631

Suffix 'S' for single phase & 'T' for three phase in model Name

## TECHNICAL DETAILS



## HyRO

## PERFORMANCE CURVES

### Specification

Power	1.5 to 5.5 HP
Speed	2900 rpm
Version	1Ph 230V,50Hz 3Ph 380-415V,50Hz
Duty	S1 ( Continuous )
Protection	IP 55
Insulation Class	F
Head Range	42 to 216 m
Flow Range	16 to 100 lpm

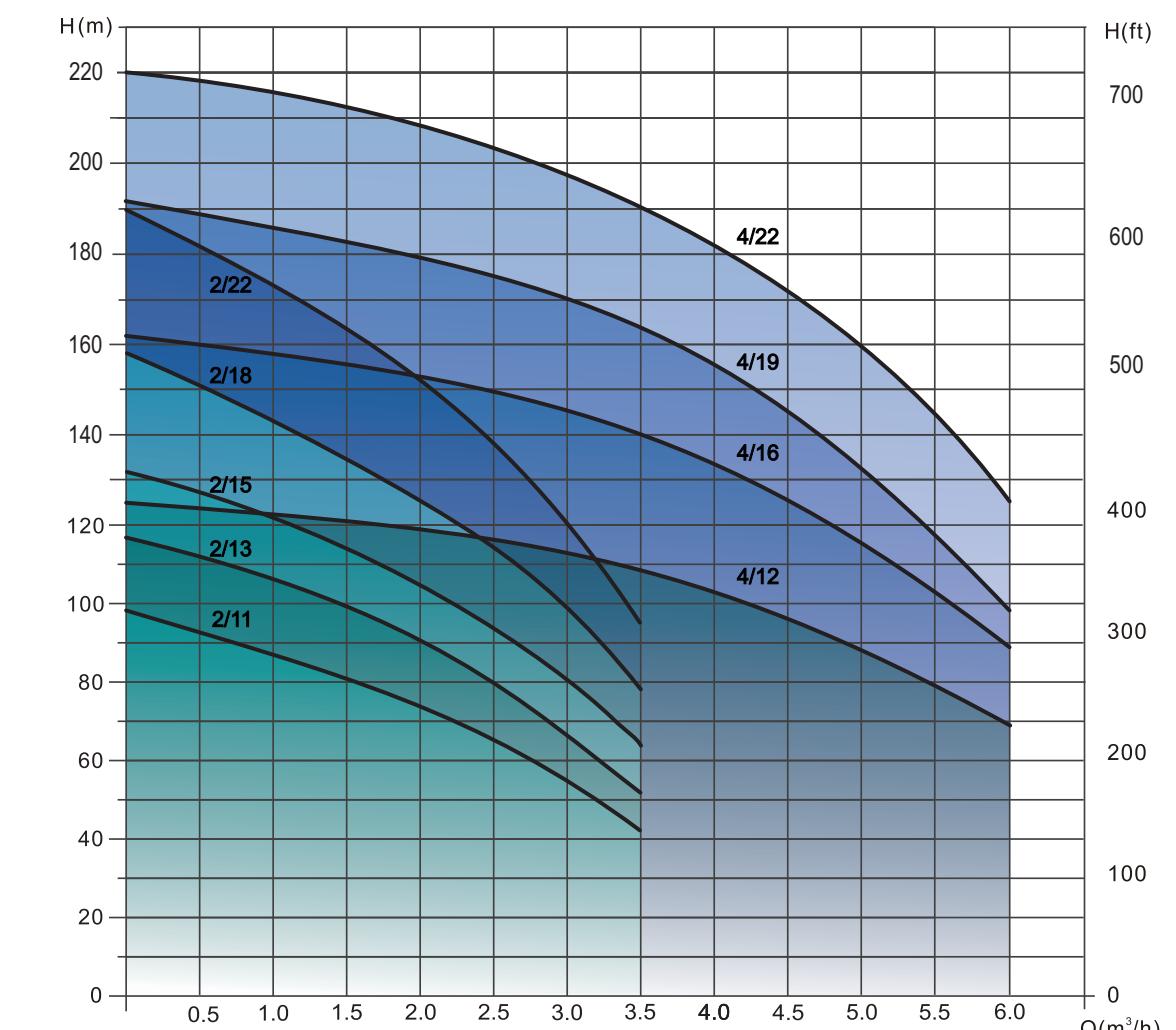
### Materials of Construction

Pump Base & Bracket	Cast Iron
Impeller & Diffuser	Stainless Steel
Shaft	Stainless Steel
Mechanical Seal	SIC/C/SS304
Bearings	NSK
Outer Shell	Stainless Steel

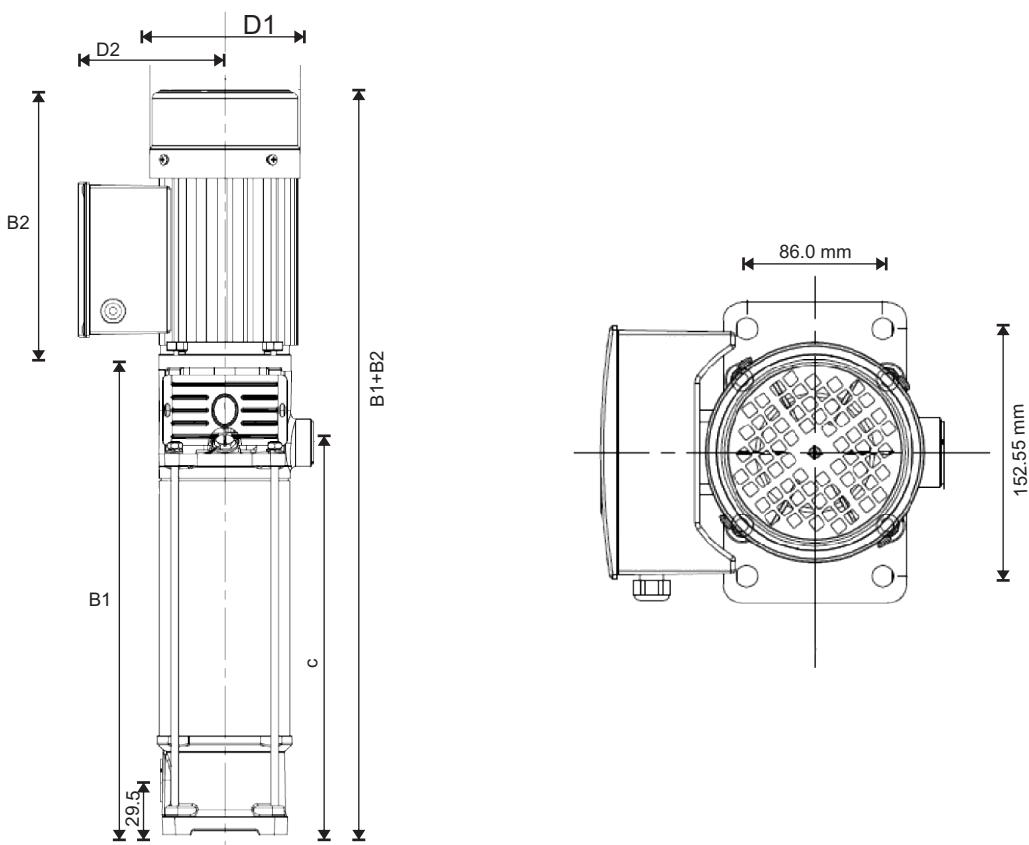
### Applications

Reverse Osmosis Plants	Max. Liquid Temp.	110°C
Pressure Boosting	Max. Ambient Temp.	50°C
HVAC	Max. Operating Pressure	1.0Mpa
Fire Fighting		
Washing Systems		

### Operating Conditions



### Dimension & Weight Details



### Performance Table

Model	Power P₂		Pump Size (mm)	Q (m³/hr)	Dimensions (mm)													
	kW	HP			1	1.2	1.6	2	2.4	2.8	3.2	3.5	B₁	B₂	B₁+B₂	D₁	D₂	C
HyRO-2/11	1.1	1.5	25x25	87	87	85	80	74	67	59	50	42	425	271.5	696.5	162	145	329
HyRO-2/13	1.5	2			106	104	99	90	81	71	60	51	462	276.6	738.6	182	153	366
HyRO-2/15	1.5	2			121	119	112	105	96	85	72	61	498	276.6	774.6	182	153	402
HyRO-2/18	2.2	3			143	139	133	125	116	105	91	78	562	276.6	838.6	182	153	466
HyRO-2/22	2.2	3			173	169	162	152	140	126	110	95	624	276.6	900.6	182	153	528

Model	Power P₂		Pump Size (mm)	Q (m³/hr)	Dimensions (mm)													
	kW	HP			1	2	3	4	4.5	5	5.5	6	B₁	B₂	B₁+B₂	D₁	D₂	C
HyRO-4/12	2.2	3	25x25	122	122	119	113	103	96	33	78	63	444.5	304.8	749.3	182	153	342.5
HyRO-4/16	3	4			158	153	145	134	126	116	103	89	548.5	275	823.5	177	116	446.5
HyRO-4/19	4	5.5			136	130	170	155	145	133	117	98	626.5	305	931.5	197	148	524.5
HyRO-4/22	4	5.5			216	203	197	182	172	159	143	126	704.5	305	1009.5	197	148	602.5

Suffix 'S' for single phase & 'T' for three phase in model Name

For 4 HP - 1 Ph B2 is 293mm

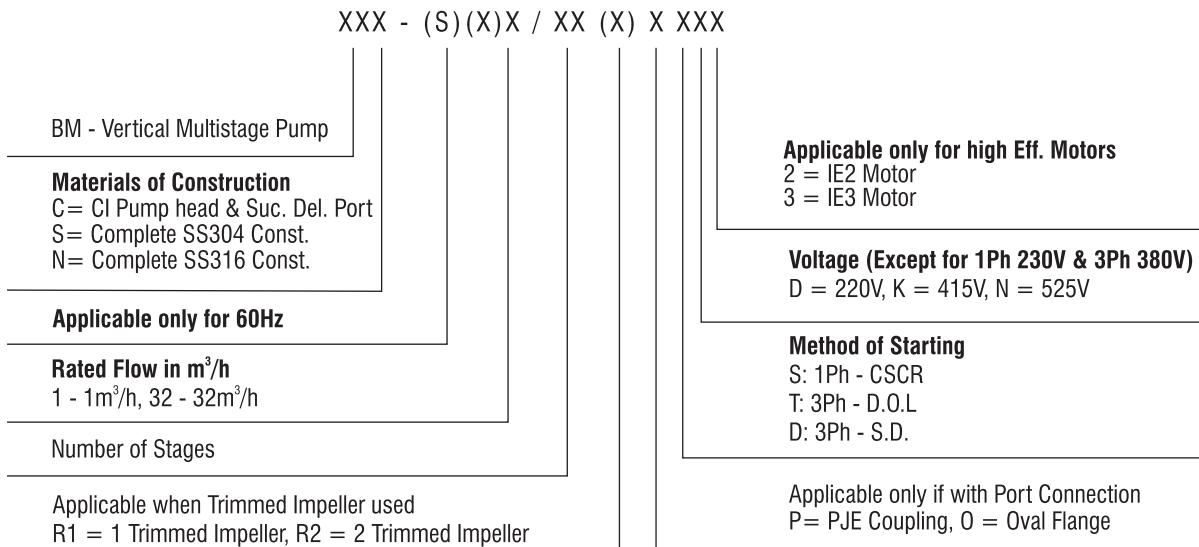
## TECHNICAL DETAILS

## BM SERIES

### VERTICAL MULTISTAGE CENTRIFUGAL PUMPS - BM SERIES

Power Range	0.37 -110 kW
Version	1Ph - 230V, 50Hz AC
	3Ph - 380-415V, 50Hz AC
Speed	2900 RPM
Protection	IP 55
Insulation Class	F Class
Duty	S1 (continuous)
Direction of Rotation	Clockwise viewed from driving end
Sealing	Mechanical Seal
Flange type	Round flange, PJE Coupling, Oval flange
Flange Standard	DIN Standard
Max. Liquid Temperature	-15 to +120°C
Max. Ambient Temperature	40°C
Max. Operating Pressure	30 Bar
Flow Range	upto 250m³/h
Head Range	upto 300m

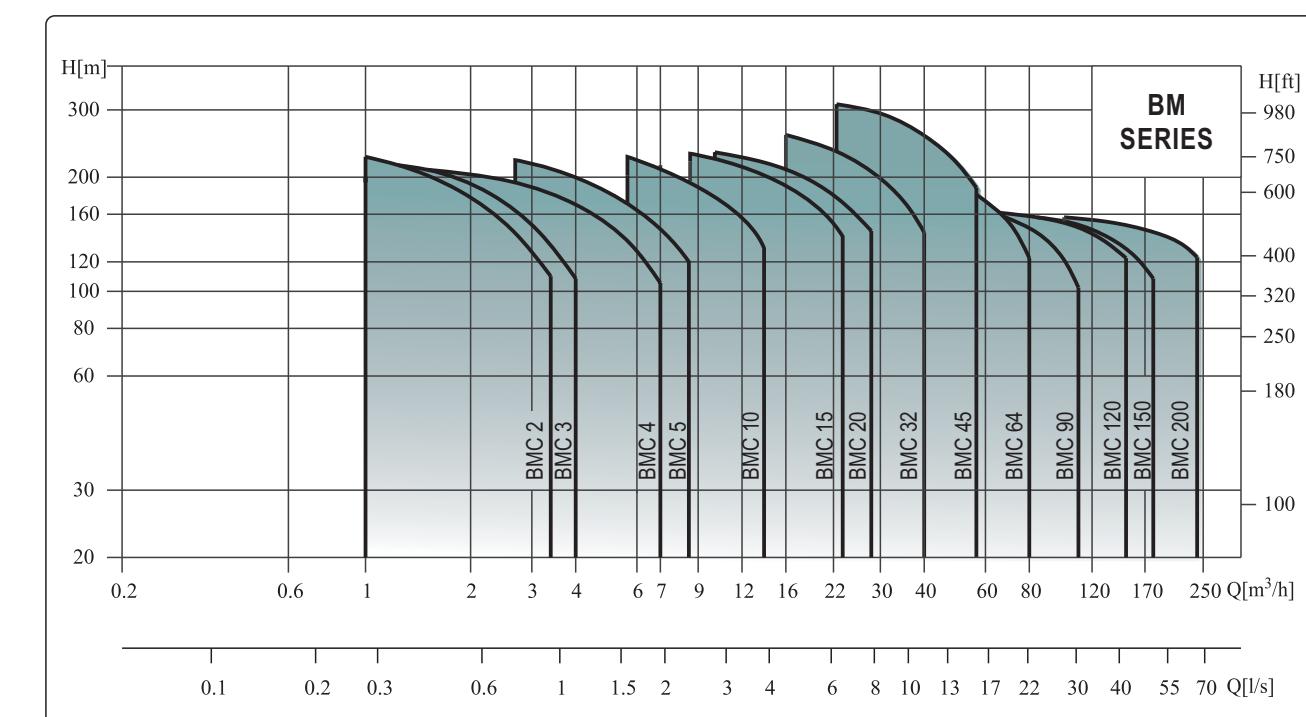
### Vertical Multistage Pumps



## TECHNICAL DETAILS

### Group Curves

### Pump performance range



### MATERIALS OF CONSTRUCTION

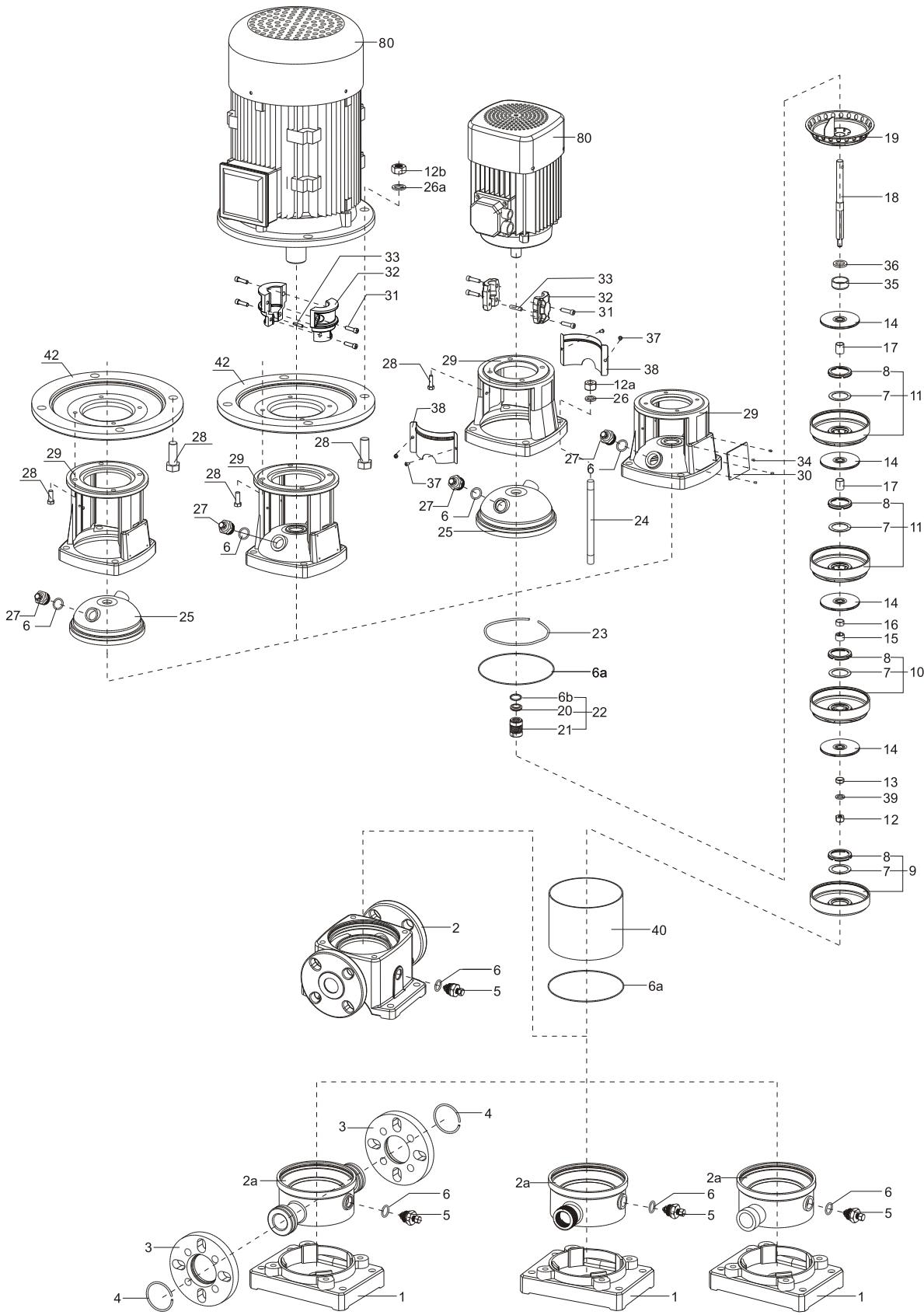
Part Name	BMC	BMS	BMN
Pump Housing	Cast Iron	SS 304	SS 316
Pump Shell	SS 304	SS 304	SS 316
Impeller	SS 304	SS 304	SS 316
Diffuser Casing	SS 304	SS 304	SS 316
Pump Shaft	SS 304 / 431	SS 304 / 431	SS 316/329
Mechanical Seal	SiC / SiC	SiC / SiC	SiC / SiC
Coupling	M.S / C.I.	M.S / C.I.	M.S / C.I.
Wearing Ring	Teflon	Teflon	Teflon
Bush	SiC / SiC	SiC / SiC	SiC / SiC
Split Cone	SS 304	SS 304	SS 316
Split Cone Nut	SS 304	SS 304	SS 316
Flange	Cast Iron	SS 304	SS 316
Neck Ring	SS 304	SS 304	SS 316
"O" Ring	EPDM	EPDM	EPDM
Base Plate	NA	Cast Iron	Cast Iron

## TECHNICAL DETAILS

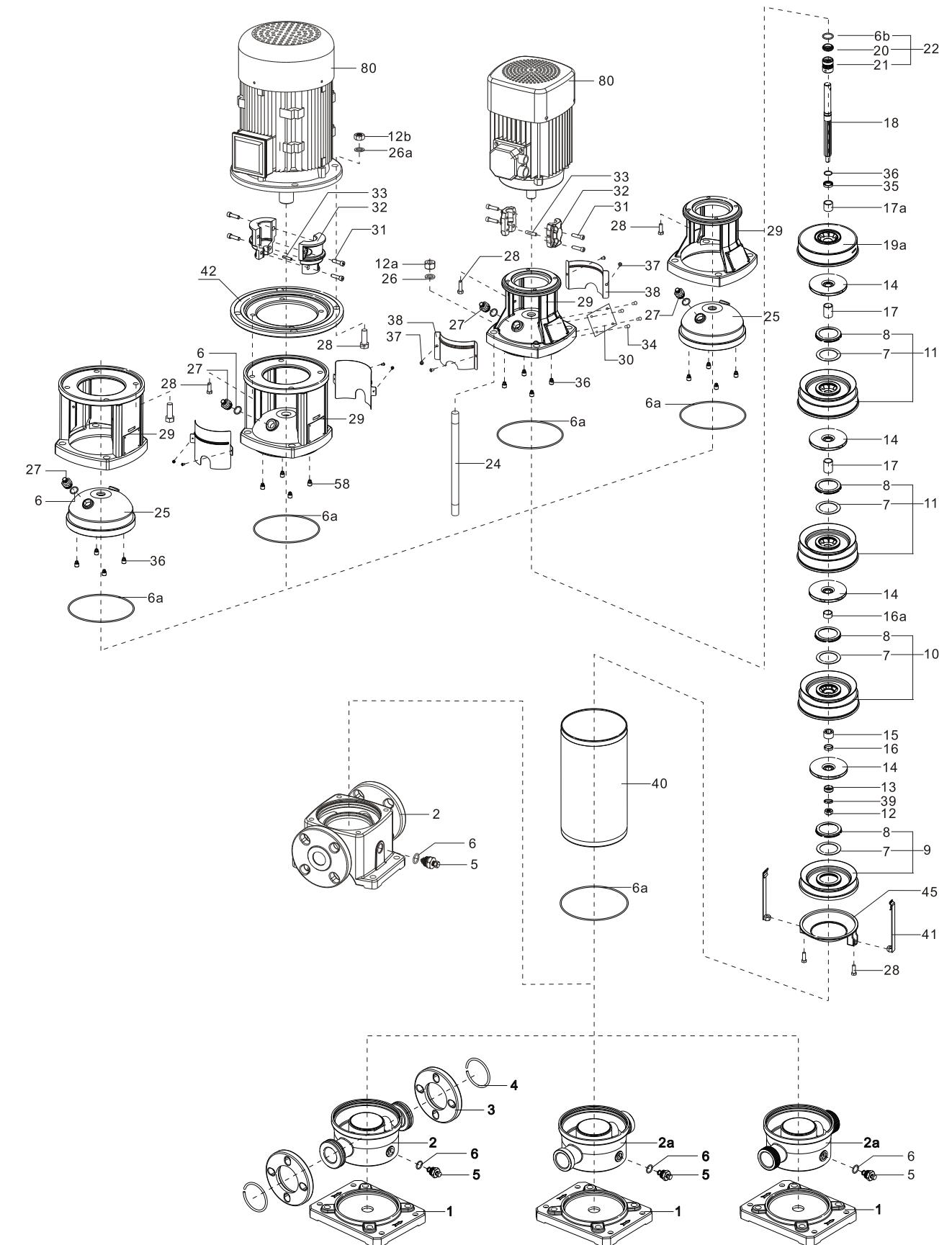
## BM SERIES

## TECHNICAL DETAILS

Exploded View:  $2\text{m}^3/\text{h}, 3\text{m}^3/\text{h}, 4\text{m}^3/\text{h}, 5\text{m}^3/\text{h}$



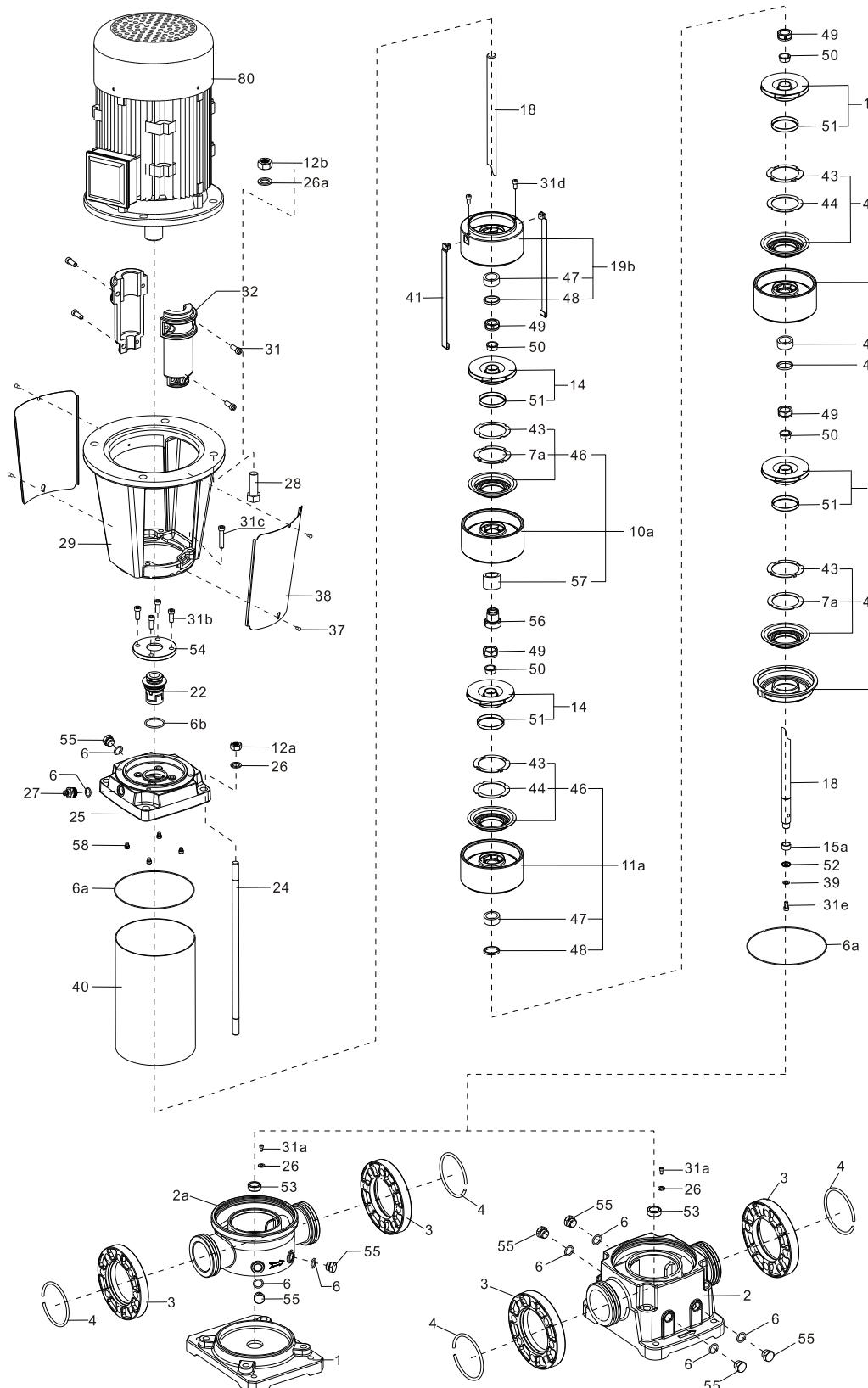
Exploded View:  $10\text{m}^3/\text{h}, 15\text{m}^3/\text{h}, 20\text{m}^3/\text{h}$



## TECHNICAL DETAILS

## BM SERIES

Exploded View: 32m<sup>3</sup>/h, 45m<sup>3</sup>/h, 65m<sup>3</sup>/h & 90m<sup>3</sup>/h



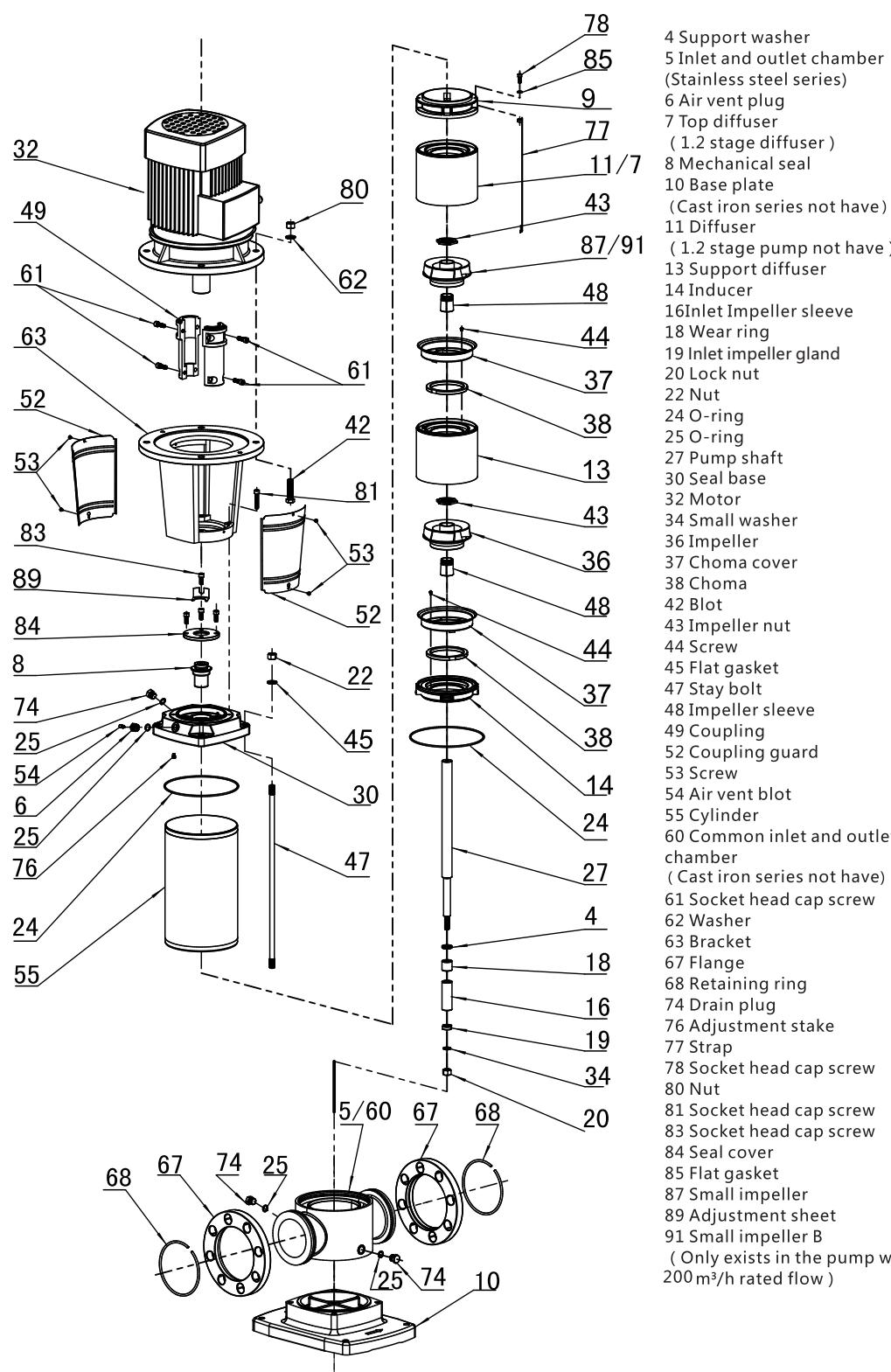
## TECHNICAL DETAILS

## BM SERIES

## TECHNICAL DETAILS

Exploded View: 120m<sup>3</sup>/h, 150m<sup>3</sup>/h, 200m<sup>3</sup>/h

### BM Series

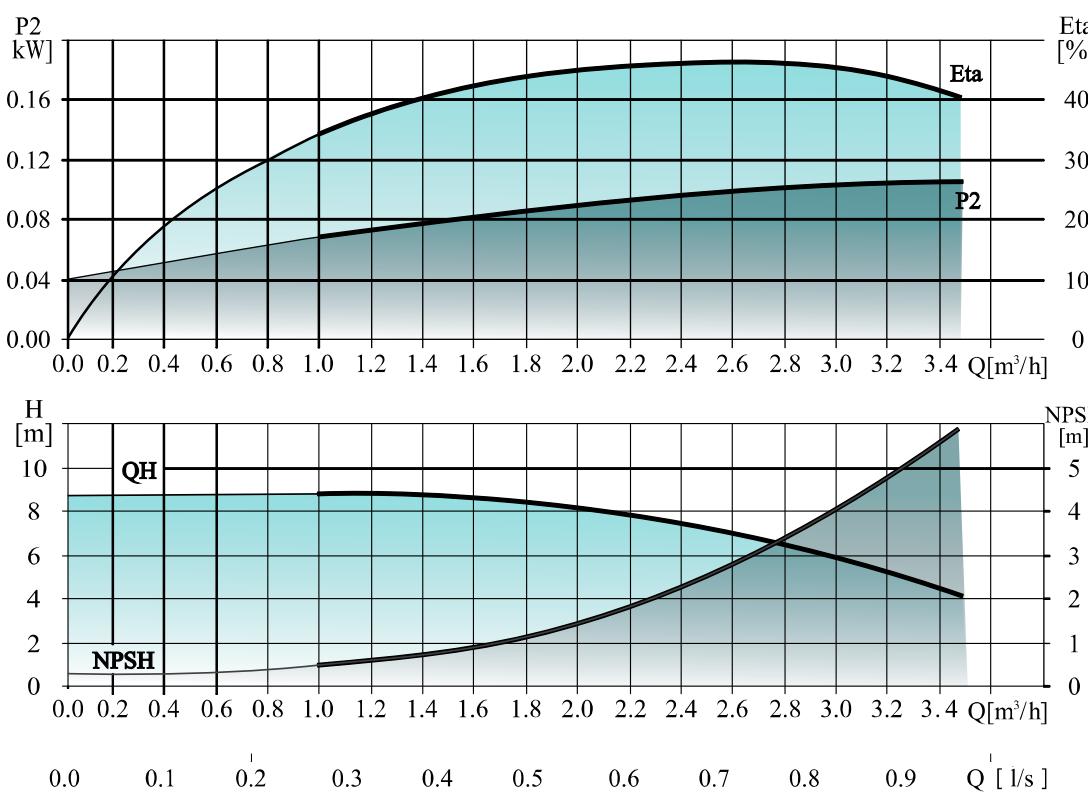
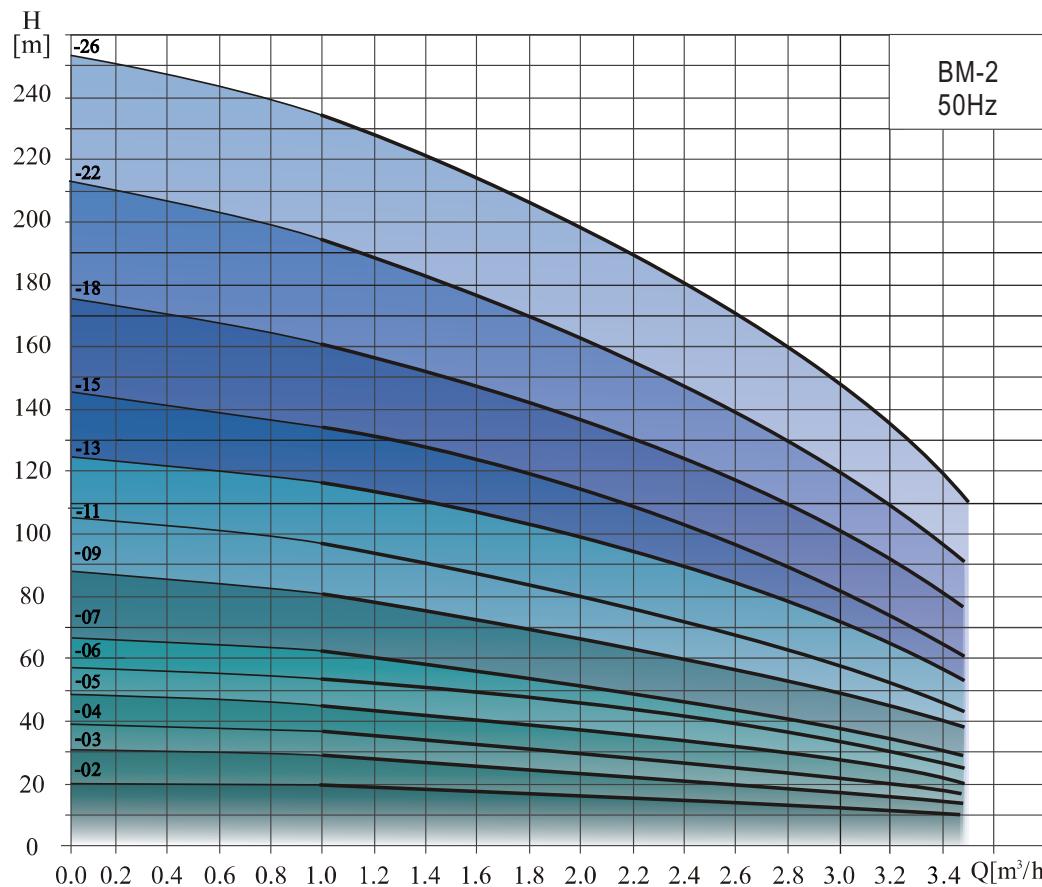


Parameter	BMC 2	BMC 3	BMC 4	BMC 5	BMC 10	BMC 15	BMC 20
Rated flow rate [m <sup>3</sup> /h]	2	3	4	5	10	15	20
Rated flow rate [l/s]	0.56	0.83	1.1	1.39	2.78	4.17	5.6
Flow rate [m <sup>3</sup> /h]	1~3.5	1.2~4	1.5~7	2.5~8.5	5~13	8~23	10~28
Flow rate [l/s]	0.28~0.97	0.33~1.1	0.42~1.9	0.69~2.36	1.39~3.61	2.22~6.39	2.8~7.8
Maximum pressure [bar]	23	22	21	24	23	23	23
Power [kW]	0.37~3	0.37~3	0.37~4	0.37~5.5	0.75~7.5	1.1~15	1.1~18.5
Temperature range [°C]	-15~105						
Highest efficiency [%]	46	50	58	63	70	73	69
Pipe Connection							
DIN flange	DN 32/25	DN 32/25	DN32	DN32	DN40	DN50	DN50
Thread	R11 <sup>1</sup> / <sub>4</sub> "	R12"	R12"	R12"			
Clamp connection	DN32	DN32	DN32	DN32	DN50	DN50	DN50

Parameter	BMC 32	BMC 45	BMC 64	BMC 90	BMC 120	BMC150	BMC 200
Rated flow rate [m <sup>3</sup> /h]	32	45	64	90	120	150	200
Rated flow rate [l/s]	8.9	12.5	17.8	25	33.3	41.7	55.6
Flow rate [m <sup>3</sup> /h]	16~40	25~55	30~80	50~110	60~150	80~180	100~240
Flow rate [l/s]	4.4~11	6.9~15.3	8~22	14~30	17~42	22~50	28~67
Maximum pressure [bar]	26	30	22	17	16	16	16
Power [kW]	1.5~30	3~45	4~45	5.5~45	11~75	11~75	18.5~110
Temperature range [°C]	-15~105						
Highest efficiency [%]	74	75	76	77	74	73	79
BMC Pipe Connection							
DIN flange	DN65	DN80	DN100	DN100	DN125	DN125	DN150

## PERFORMANCE CURVES

**BM-2**



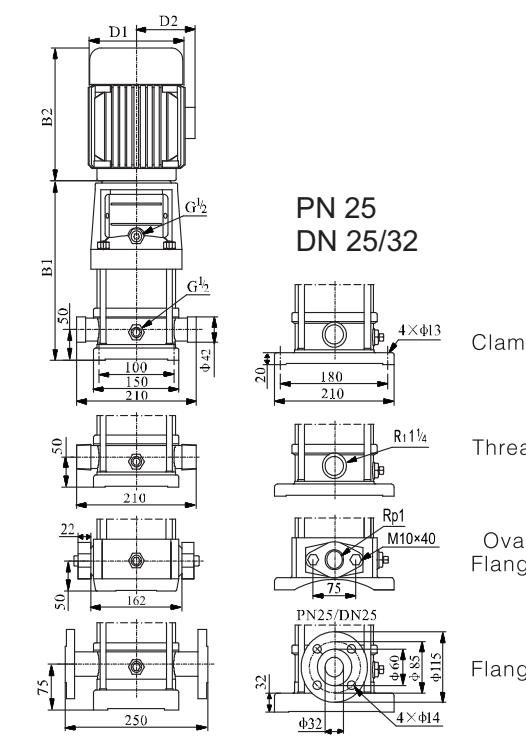
In view of continuous improvements in our design and process, the information, dimensions and specifications given herein are subject to change without notice.

## PERFORMANCE & DIMENSIONAL DETAILS

Performance Table

Model	Power		Q (m³/h)	2900 rpm							
	kW	HP		1	1.2	1.6	2.0	2.4	2.8	3.2	3.5
BMC-2/02	0.37	0.5		18	17	16	15	13	12	10	8
BMC-2/03	0.37	0.5		27	26	24	22	20	18	15	12
BMC-2/04	0.55	0.75		36	35	33	30	26	24	20	16
BMC-2/05	0.55	0.75		45	43	40	37	33	30	24	20
BMC-2/06	0.75	1		53	52	50	45	40	36	30	24
BMC-2/07	0.75	1		63	61	57	52	47	41	35	28
BMC-2/09	1.1	1.5		80	78	73	67	61	54	45	37
BMC-2/11	1.1	1.5		98	95	89	82	73	64	54	44
BMC-2/13	1.5	2		116	114	106	98	89	78	65	52
BMC-2/15	1.5	2		116	130	123	112	100	90	73	60
BMC-2/18	2.2	3		136	157	148	136	121	108	91	76
BMC-2/22	2.2	3		197	192	180	165	148	130	110	90
BMC-2/26	3	4		232	228	214	198	179	158	130	110

Dimension & Weight Details

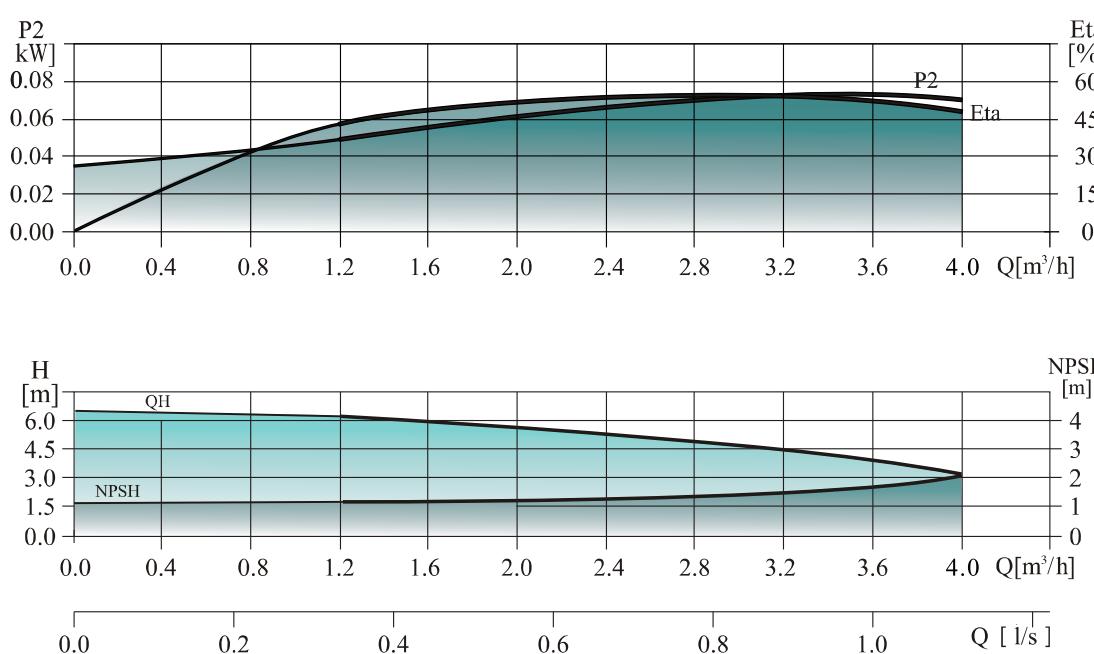
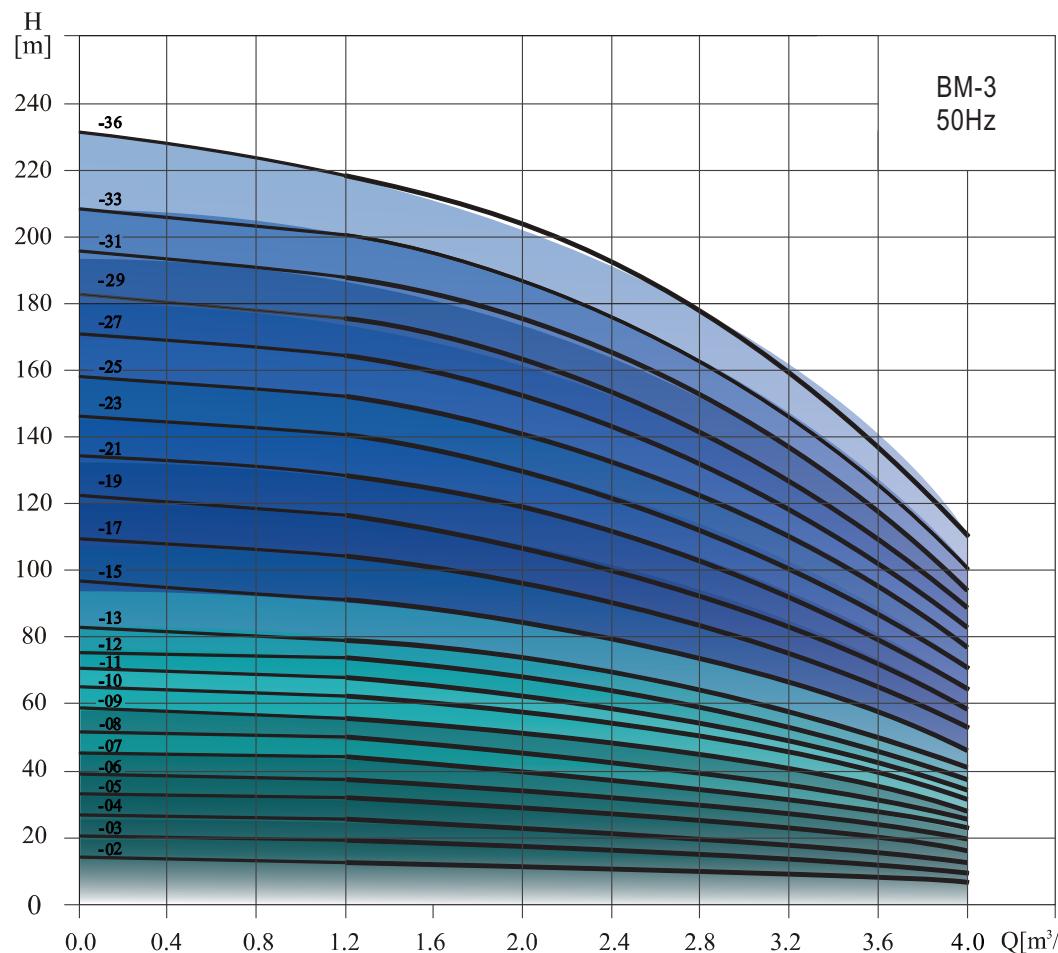


Model	Dimensions( mm )					Weight (kg)
	B1	B2	B1+B2	D1	D2	
BMC-2/02	258	239	497	148	117	20
BMC-2/03	276	239	515	148	117	20
BMC-2/04	294	239	533	148	117	22
BMC-2/05	312	239	551	148	177	23
BMC-2/06	340	280	620	170	142	26
BMC-2/07	358	280	638	170	142	26
BMC-2/09	394	280	674	170	142	28
BMC-2/11	430	280	710	170	142	29
BMC-2/13	476	333	809	190	155	35
BMC-2/15	512	333	845	190	155	36
BMC-2/18	566	333	899	190	155	41
BMC-2/22	638	333	971	190	155	42
BMC-2/26	720	348	1068	197	165	52

Replace 3rd digit in model name as 'S' for SS 304 Pump housing & Pump Cover and 'N' for SS316 Pump housing & Pump Cover. Suffix 'S' for single phase & 'T' for three phase motor.  
By Default Pump will be supplied with round flange connection.

## PERFORMANCE CURVES

**BM-3**



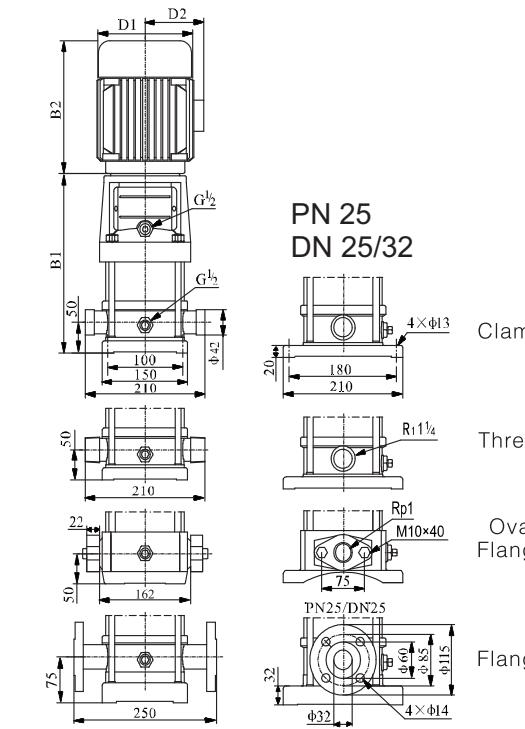
## PERFORMANCE & DIMENSIONAL DETAILS

Performance Table

Model	Power		Q (m³/h)	1.2	1.6	2.0	2.4	2.8	3.0	3.2	3.6	4.0
	kW	HP										
BMC-3/02	0.37	0.5	12.5	11.5	11	10.5	10	9	8	7	6	
BMC-3/03	0.37	0.5	19	18.5	17.5	16.5	15	14	13	11	9	
BMC-3/04	0.37	0.5	25	24	23	21.5	20	19	18	15	12	
BMC-3/05	0.37	0.5	31	30	29	27	25	23	22	19	16	
BMC-3/06	0.55	0.75	36	35	34	32	30	28	27	23	19	
BMC-3/07	0.55	0.75	43	41	39	37	34	32	31	27	22	
BMC-3/08	0.75	1	49	47	45	432	39	37	32	31	25	
BMC-3/09	0.75	1	55	53	51	48	45	42	40	35	28	
BMC-3/10	0.75	1	61	59	57	54	.50	47	45	39	31	
BMC-3/11	1.1	1.5	67	64	61	58	54	51	49	42	34	
BMC-3/12	1.1	1.5	73	70	67	63	58	55	52	45	37	
BMC-3/13	1.1	1.5	78	76	73	69	64	60	57	49	40	
BMC-3/15	1.1	1.5	90	88	84	79	73	69	66	57	46	
BMC-3/17	1.5	2	103	100	96	90	83	79	75	64	52	
BMC-3/19	1.5	2	115	112	107	100	92	88	83	72	58	
BMC-3/21	2.2	3	128	124	119	112	102	98	91	79	64	
BMC-3/23	2.2	3	140	135	130	122	112	107	100	86	70	
BMC-3/25	2.2	3	151	147	141	131	122	116	109	94	76	
BMC-3/27	2.2	3	164	159	152	143	132	124	117	101	82	
BMC-3/29	2.2	3	175	170	163	153	142	133	126	109	88	
BMC-3/31	3.0	4	187	182	175	165	153	142	135	116	94	
BMC-3/33	3.0	4	199	194	187	176	163	151	145	125	100	
BMC-3/36	3.0	4	218	212	204	192	178	168	159	137	109	

2900 rpm

Dimensions & Weight Details



Model	Dimensions (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
BMC-3/02	258	239	497	148	117	20
BMC-3/03	276	239	515	148	177	20
BMC-3/04	294	239	533	148	177	21
BMC-3/05	312	239	551	148	177	21
BMC-3/06	330	239	569	148	177	23
BMC-3/07	348	239	587	148	177	24
BMC-3/08	376	280	656	170	142	27
BMC-3/09	394	280	674	170	142	28
BMC-3/10	412	280	692	170	142	28
BMC-3/11	430	280	710	170	142	29
BMC-3/12	448	280	728	170	142	30
BMC-3/13	466	280	746	170	142	31
BMC-3/15	502	280	782	170	142	32
BMC-3/17	548	333	881	190	155	38
BMC-3/19	584	333	917	190	155	39
BMC-3/21	620	333	953	190	155	42
BMC-3/23	656	333	989	190	155	43
BMC-3/25	692	333	1025	190	155	44
BMC-3/27	728	333	1061	190	155	45
BMC-3/29	764	333	1097	190	155	46
BMC-3/31	810	348	1058	197	165	54
BMC-3/33	846	348	1194	197	165	55
BMC-3/36	900	348	1248	197	165	57

Replace 3rd digit in model name as 'S' for SS 304 Pump housing & Pump Cover and 'N' for SS316 Pump housing & Pump Cover. Suffix 'S' for single phase & 'T' for three phase motor.  
By Default Pump will be supplied with round flange connection.

In view of continuous improvements in our design and process, the information, dimensions and specifications given herein are subject to change without notice.

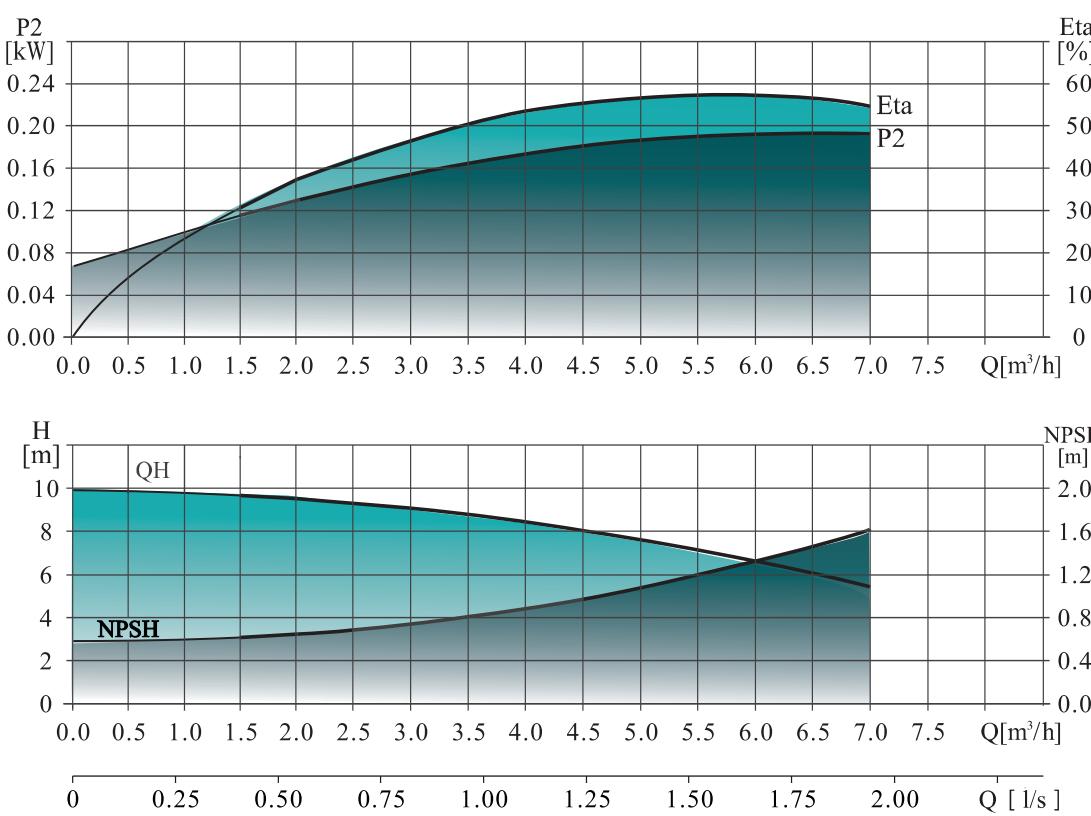
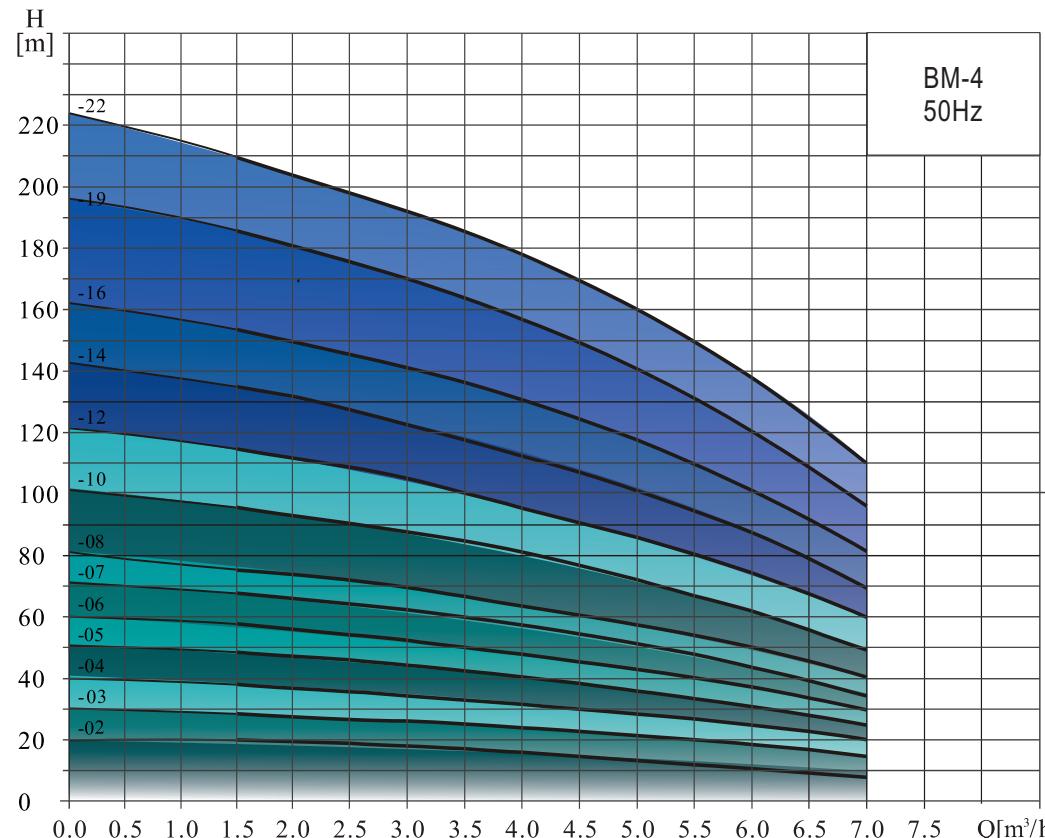
## PERFORMANCE CURVES

**BM-4**

**ALGO**  
CONNECTING TECHNOLOGIES

## PERFORMANCE & DIMENSIONAL DETAILS

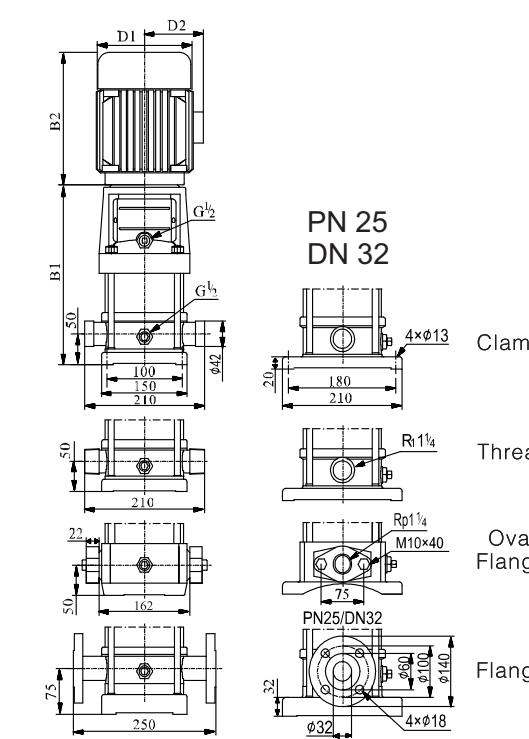
**2900 rpm**



### Performance Table

Model	Power		Q (m³/h)	2900 rpm						
	kW	HP		1.5	2.0	3.0	4.0	5.0	6.0	7.0
BMC-4/02	0.37	0.5	19	18	17	15	13	10	8	
BMC-4/03	0.55	0.75	28	27	26	24	20	18	13	
BMC-4/04	0.75	1	38	36	34	32	27	24	19	
BMC-4/05	1.1	1.5	47	45	43	40	34	31	23	
BMC-4/06	1.1	1.5	56	54	52	48	41	37	28	
BMC-4/07	1.5	2	66	63	61	56	48	43	33	
BMC-4/08	1.5	2	76	72	70	64	55	50	38	
BMC-4/10	2.2	3	96	90	87	81	71	62	48	
BMC-4/12	2.2	3	144	108	104	95	85	75	58	
BMC-4/14	3.0	4	136	126	122	112	101	89	68	
BMC-4/16	3.0	4	152	144	140	129	115	101	78	
BMC-4/19	4.0	5.5	183	171	168	153	137	122	93	
BMC-4/22	4.0	5.5	211	200	192	178	160	138	108	

### Dimension & Weight Details

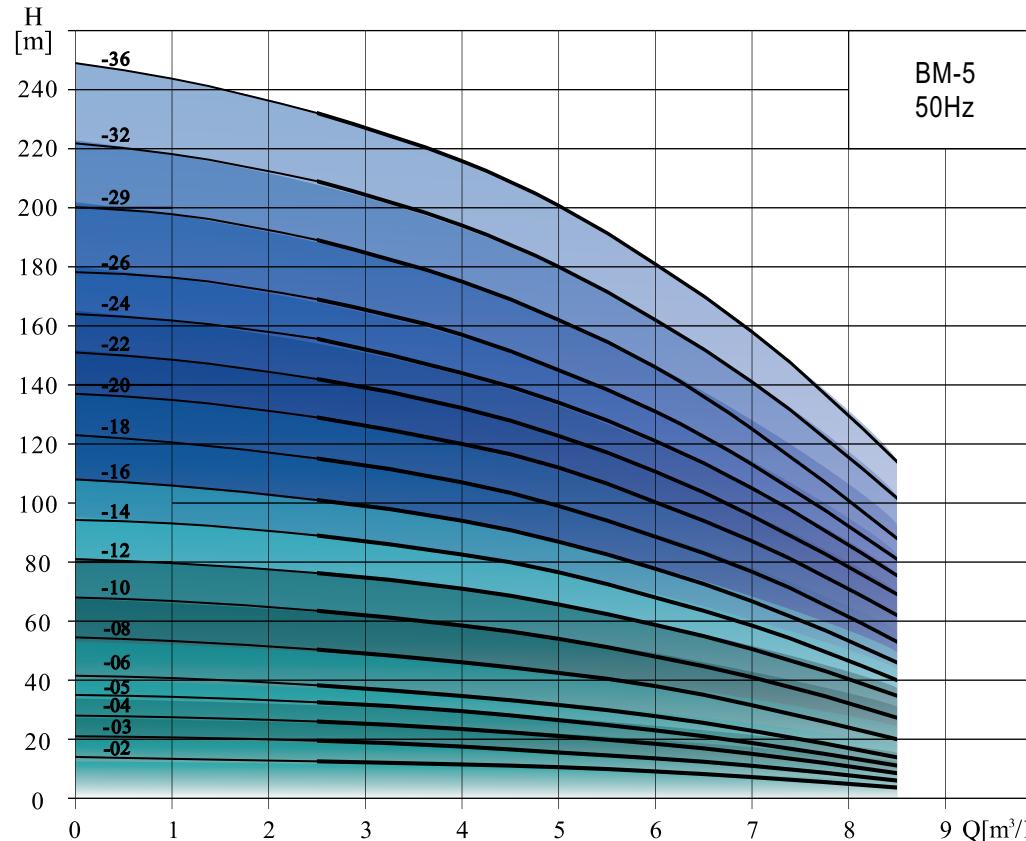


Replace 3rd digit in model name as 'S' for SS 304 Pump housing & Pump Cover and 'N' for SS316 Pump housing & Pump Cover. Suffix 'S' for single phase & 'T' for three phase motor.  
By Default Pump will be supplied with round flange connection.

In view of continuous improvements in our design and process, the information, dimensions and specifications given herein are subject to change without notice.

## PERFORMANCE CURVES

**BM-5**

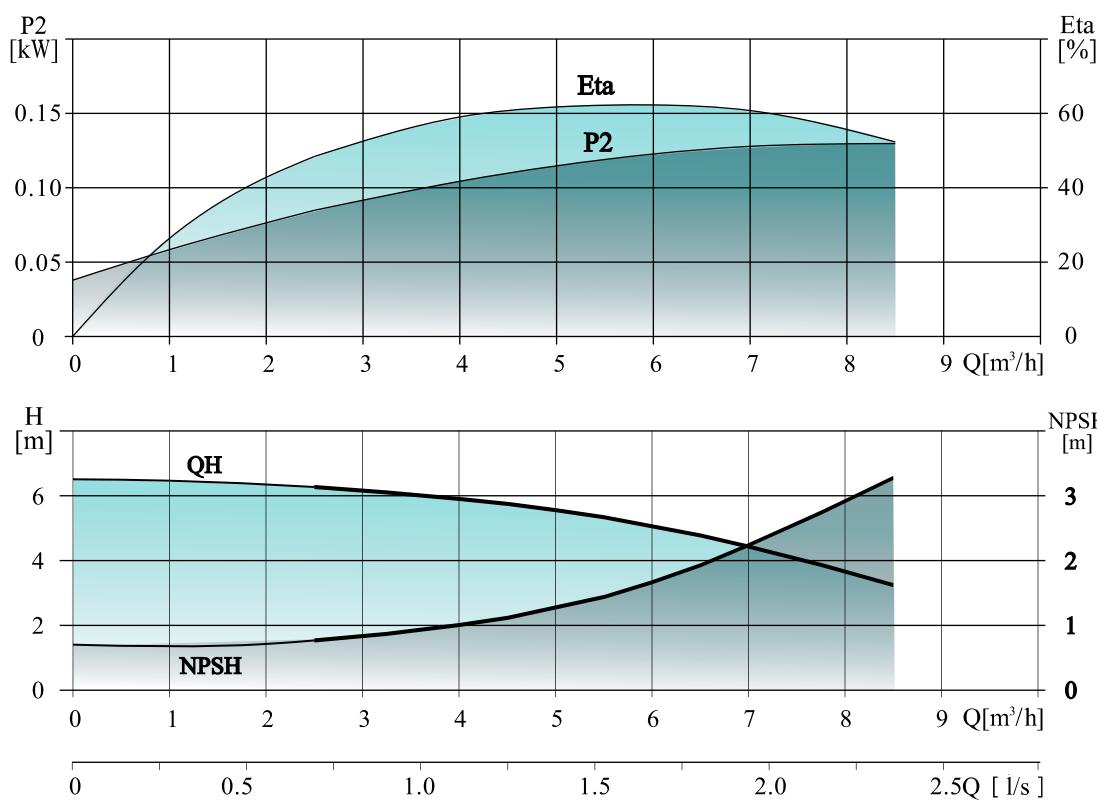


## PERFORMANCE & DIMENSIONAL DETAILS

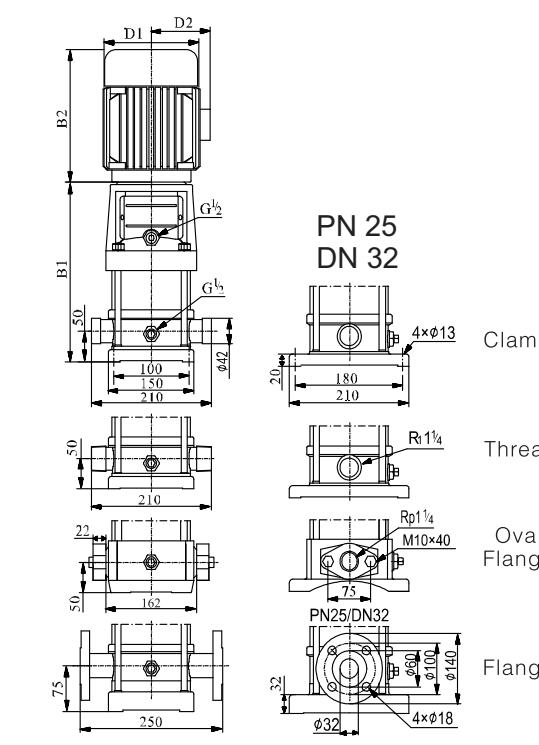
**2900 rpm**

### Performance Table

Model	Power		Q (m³/h)	2.5	4	5	6	7	8.5
	kW	HP							
BMC-5/02	0.37	0.5	12.5	11.5	10.5	9	7	3.5	
BMC-5/03	0.55	0.75	19.5	17.5	15.5	13.5	11	6	
BMC-5/04	0.55	0.75	26	23.5	21	18.5	15	8.5	
BMC-5/05	0.75	1	32.5	29.5	26.5	23	18.5	11	
BMC-5/06	1.1	1.5	38.5	34.5	31.5	28	23	14	
BMC-5/08	1.1	1.5	50.5	46	42.5	38	31.5	20	
BMC-5/10	1.5	2	63.5	58.5	54	48	41	27.5	
BMC-5/12	2.2	3	76	71	65.5	58.5	50.5	35	
BMC-5/14	2.2	3	89	82	76.5	68	58.5	40	
BMC-5/16	2.2	3	101	94	87	77.5	66.5	46	
BMC-5/18	3.0	4	115	107	99	88.5	77	53	
BMC-5/20	3.0	4	129	120	112	100	87	62	
BMC-5/22	4.0	5.5	142	132	123	111	96	69	
BMC-5/24	4.0	5.5	156	144	132	121	105	75.5	
BMC-5/26	4.0	5.5	169	157	145	131	113	81	
BMC-5/29	4.0	5.5	189	175	162	146	125	88	
BMC-5/32	5.5	7.5	209	194	180	162	141	102	
BMC-5/36	5.5	7.5	232	216	201	181	158	114	



### Dimension & Weight Details



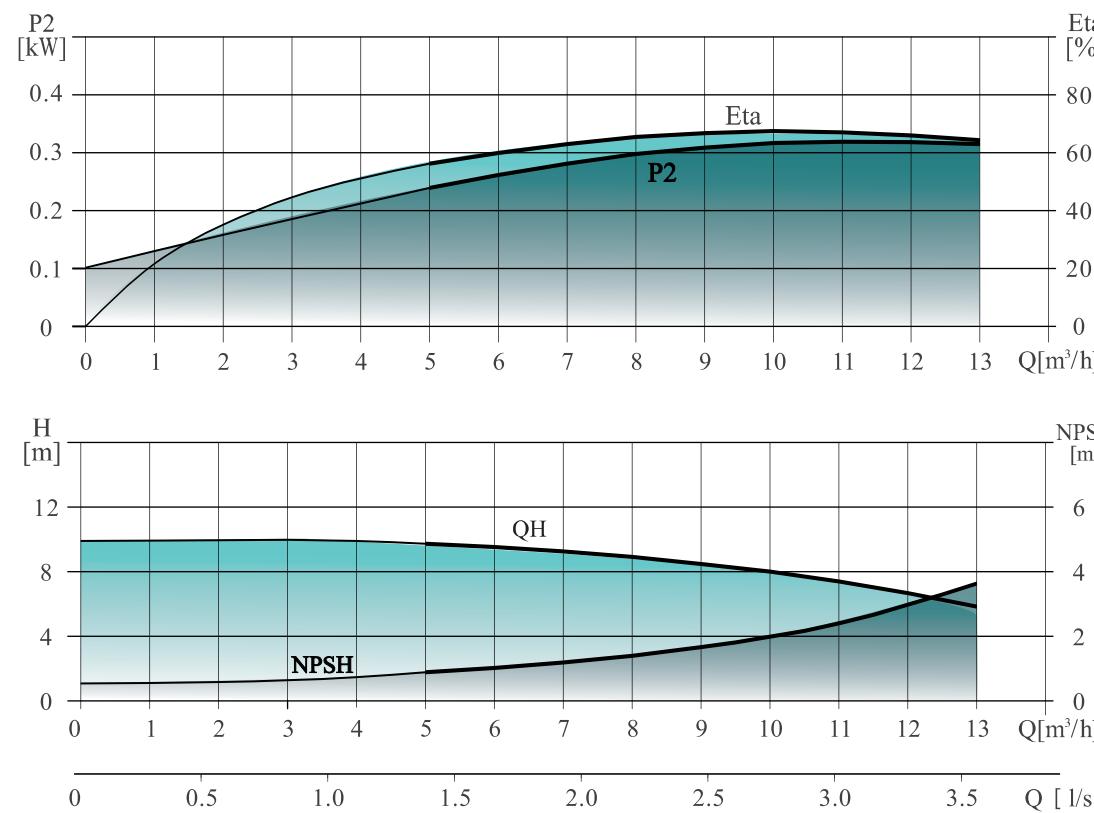
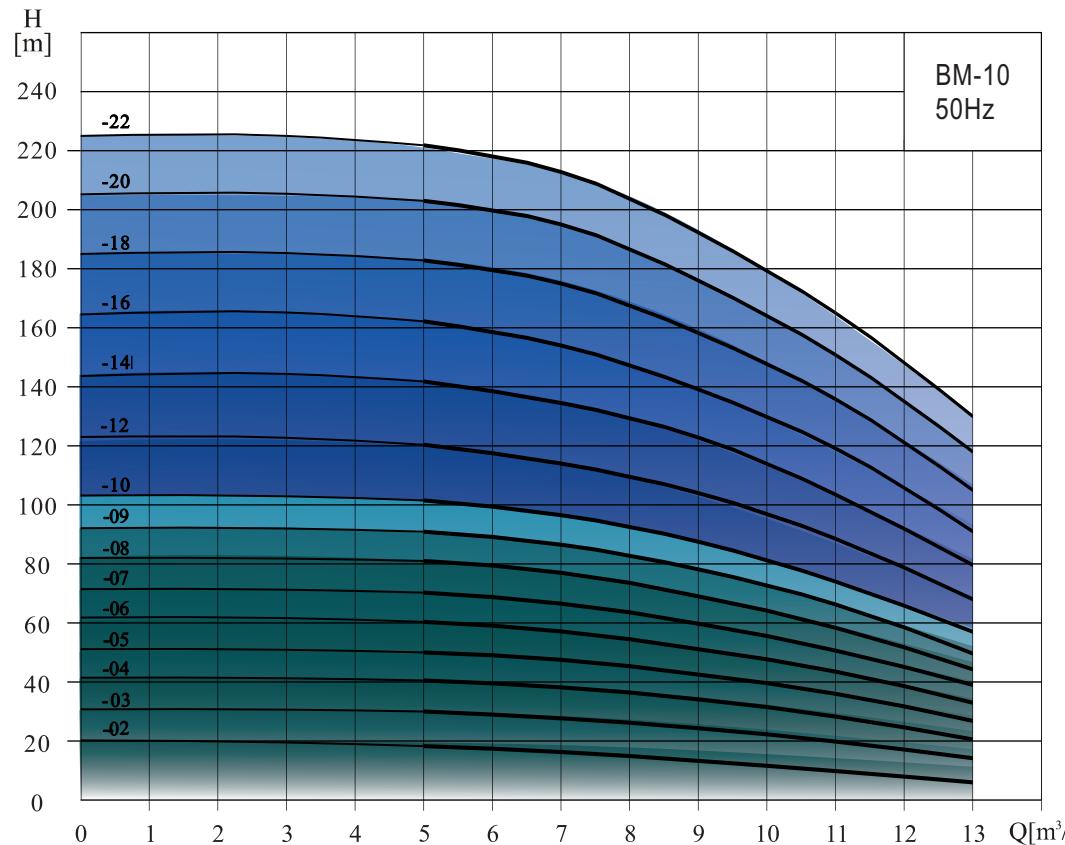
Model	Dimensions( mm )					Weight (kg)
	B1	B2	B1+B2	D1	D2	
BMC-5/02	276	239	515	148	117	21
BMC-5/03	303	239	541	148	177	22
BMC-5/04	330	239	569	148	117	23
BMC-5/05	367	280	647	170	142	25
BMC-5/06	394	280	674	170	142	26
BMC-5/08	448	280	628	170	142	27
BMC-5/10	512	333	845	190	155	33
BMC-5/12	566	333	899	190	155	37
BMC-5/14	620	333	953	190	155	38
BMC-5/16	674	333	1007	190	155	39
BMC-5/18	738	348	1086	197	165	48
BMC-5/20	792	348	1140	197	165	49
BMC-5/22	846	382	1228	230	185	57
BMC-5/24	900	382	1282	230	185	58
BMC-5/26	954	382	1336	230	185	59
BMC-5/29	1035	382	1417	230	185	60
BMC-5/32	1136	435	1571	260	210	75
BMC-5/36	1244	435	1679	260	210	76

Replace 3rd digit in model name as 'S' for SS 304 Pump housing & Pump Cover and 'N' for SS316 Pump housing & Pump Cover. Suffix 'S' for single phase & 'T' for three phase motor.  
By Default Pump will be supplied with round flange connection.

In view of continuous improvements in our design and process, the information, dimensions and specifications given herein are subject to change without notice.

## PERFORMANCE CURVES

**BM-10**

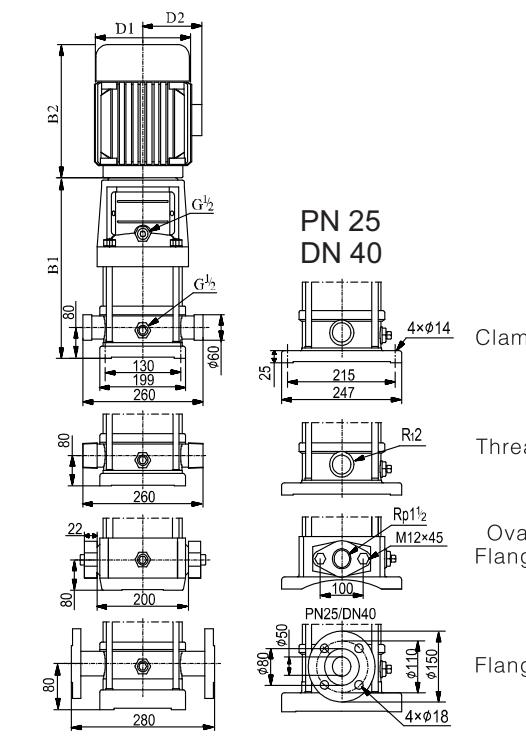


## PERFORMANCE & DIMENSIONAL DETAILS

### Performance Table

Model	Power		Q (m³/h)	2900 rpm								
	kW	HP		5	6	7	8	9	10	11	12	13
BMC-10/02	0.75	1	18.5	17	16	14	13	12	10	8.5	7	
BMC-10/03	1.1	1.5	30	28.5	27.5	25.5	24.5	22	20	18	14.5	
BMC-10/04	1.5	2	40.5	39.5	38.5	36.5	34	31.5	28.5	25.5	21	
BMC-10/05	2.2	3	50	49	47.5	45.5	42.5	39.5	36	32	27	
BMC-10/06	2.2	3	60	59	57	55	51	47.5	43.5	39	33.5	
BMC-10/07	3.0	4	70.5	69	66.5	64	59.5	55.5	50.5	45.5	39	
BMC-10/08	3.0	4	81	79	77	74.5	69	64	58.5	53	44.5	
BMC-10/09	3.0	4	91	89	86.5	82.5	78	72	66.5	59.5	50	
BMC-10/10	4.0	5.5	101.5	99	96.5	92.5	87.5	81.5	74	67	57	
BMC-10/12	4.0	5.5	120.5	119	114	110	104	97	88.5	80	68	
BMC-10/14	5.5	7.5	142	139	134.5	131	123	114	103.5	93.5	80	
BMC-10/16	5.5	7.5	162	159	154	148.5	139	130	119	107	91	
BMC-10/18	7.5	10	183	180	175	67	158	148	136	121	105	
BMC-10/20	7.5	10	203	200	195	186	176	165	151	134	118	
BMC-10/22	7.5	10	222	219	213	203	192	179	165	149	130	

### Dimension & Weight Details



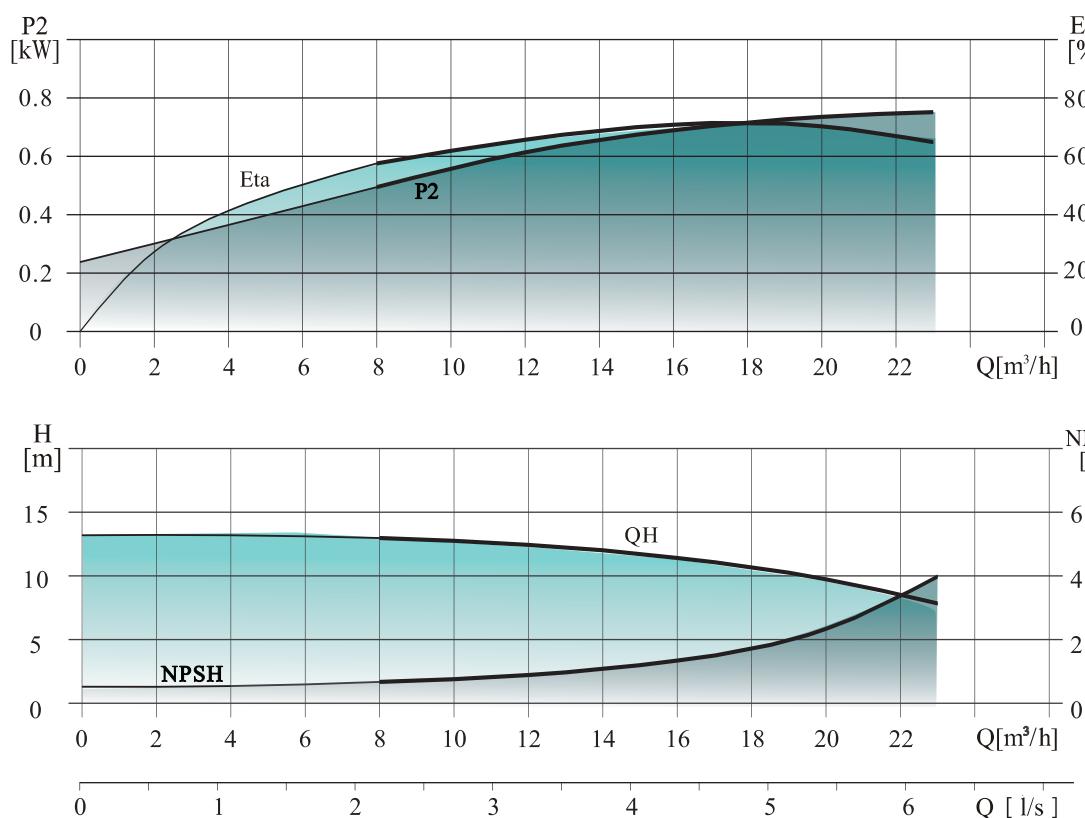
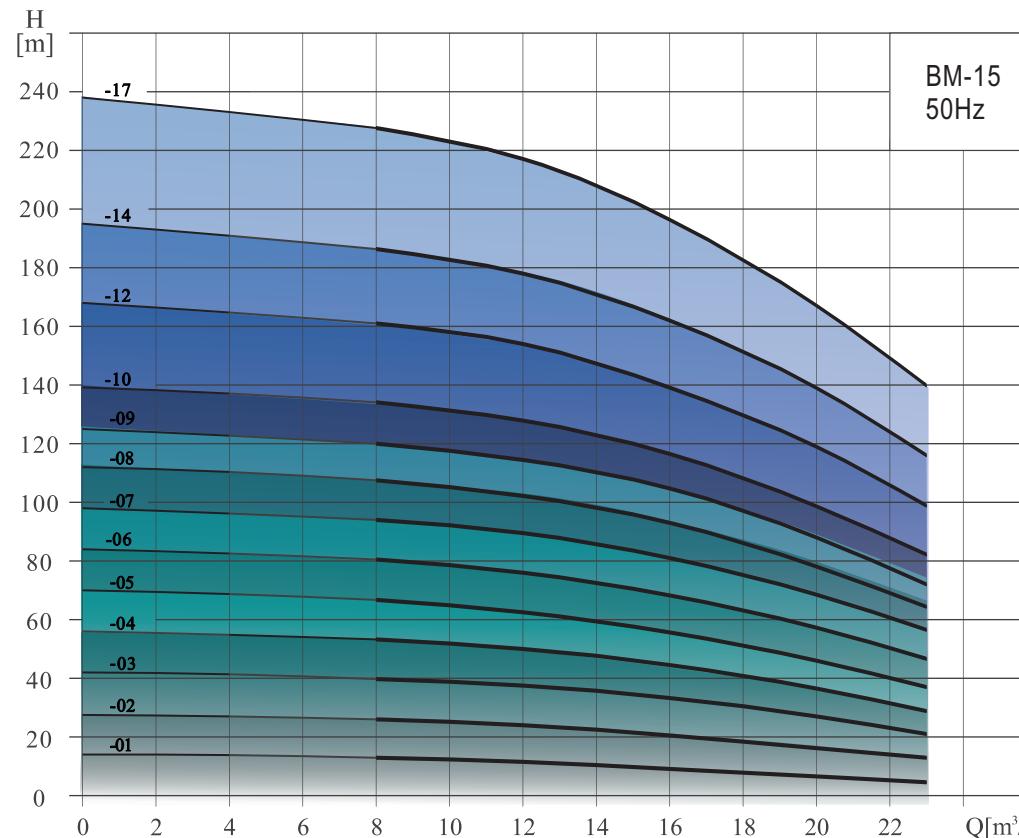
Model	Dimensions( mm )					Weight (kg)
	B1	B2	B1+B2	D1	D2	
BMC-10/02	347	280	627	170	142	32
BMC-10/03	377	280	657	170	142	34
BMC-10/04	417	333	750	190	155	40
BMC-10/05	447	333	780	190	155	44
BMC-10/06	477	333	780	190	155	45
BMC-10/07	517	348	810	197	165	52
BMC-10/08	547	348	865	197	165	53
BMC-10/09	577	348	895	197	165	54
BMC-10/10	607	382	989	230	185	64
BMC-10/12	667	382	1049	230	185	66
BMC-10/14	747	435	1182	260	210	81
BMC-10/16	807	435	1242	260	210	82
BMC-10/18	867	435	1362	260	210	93
BMC-10/20	927	435	1362	260	210	94
BMC-10/22	987	435	1422	260	210	95

Replace 3rd digit in model name as 'S' for SS 304 Pump housing & Pump Cover and 'N' for SS316 Pump housing & Pump Cover. Suffix 'S' for single phase & 'T' for three phase motor.  
By Default Pump will be supplied with round flange connection.

In view of continuous improvements in our design and process, the information, dimensions and specifications given herein are subject to change without notice.

## PERFORMANCE CURVES

**BM-15**



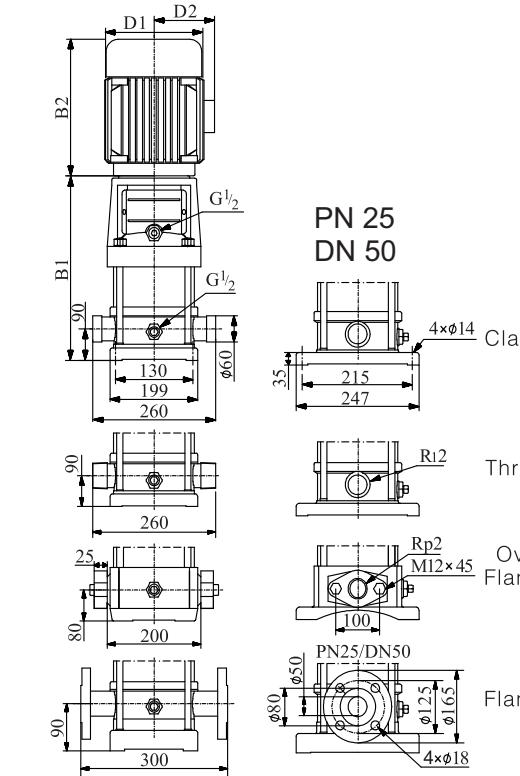
## PERFORMANCE & DIMENSIONAL DETAILS

2900 rpm

Performance Table

Model	Power		Q (m³/h)	8		10		12		14		15		16		18		20		23	
	kW	HP																			
BMC-15/01	1.1	1.5		13		12		11.5		10.5		10		9		7.5		6		4.5	
BMC-15/02	2.2	3		26		25		24		23		22		20.5		18		16		13	
BMC-15/03	3.0	4		39.5		38.5		37.5		35.5		34.5		33.5		30.5		27		21	
BMC-15/04	4.0	5.5		53		51		50		47.5		46		44.5		41		36.5		29	
BMC-15/05	4.0	5.5		67		64		62.5		60		58		55.5		52		46		37	
BMC-15/06	5.5	7.5		80.5		78		76		73		70.5		68		63.5		57		46.5	
BMC-15/07	5.5	7.5		94		92		89.5		86		83.5		81		75.5		68.5		56.5	
BMC-15/08	7.5	10		107.5		106		102.5		98.5		96		93		86.5		78		64.5	
BMC-15/09	7.5	10		120		118		114.5		110		107		105		97		88		72	
BMC-15/10	11	15		134		132		128		123		120		116.5		108.5		98.5		82.5	
BMC-15/12	11	15		161		158		154		148		144		139		130		119		99	
BMC-15/14	11	15		186		183		178		172		167		162		152		139		116	
BMC-15/17	15	20		227		224		217		210		203		196		182		167		140	

Dimension & Weight Details



Model	Dimensions( mm )					Weight (kg)
	B1	B2	B1+B2	D1	D2	
BMC-15/01	352	280	632	170	142	33
BMC-15/02	397	333	730	190	155	42
BMC-15/03	452	348	800	197	165	50
BMC-15/04	497	382	879	230	185	59
BMC-15/05	542	382	924	230	185	60
BMC-15/06	607	382	1042	260	210	77
BMC-15/07	652	435	1087	260	210	78
BMC-15/08	697	435	1132	260	210	86
BMC-15/09	742	435	1177	260	210	87
BMC-15/10	875	435	1455	250	260	160
BMC-15/12	965	580	1545	350	260	161
BMC-15/14	1055	580	1635	350	260	162
BMC-15/17	1190	580	1770	350	260	179

In view of continuous improvements in our design and process, the information, dimensions and specifications given herein are subject to change without notice.

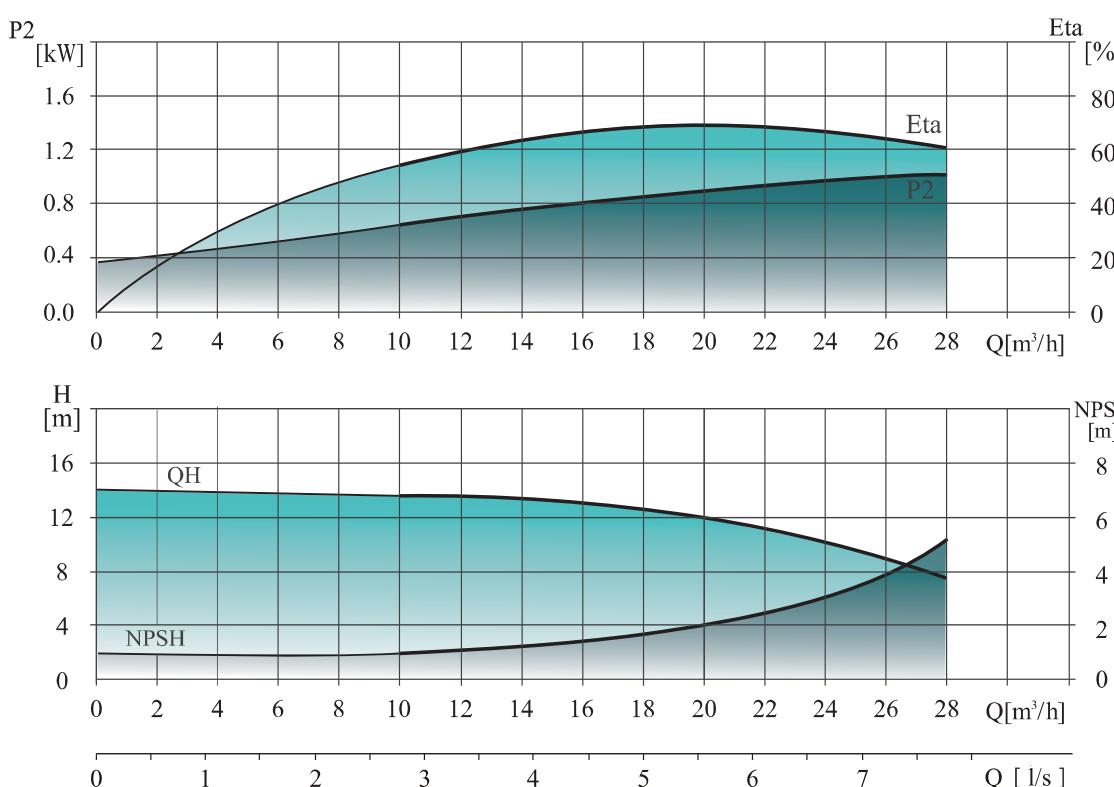
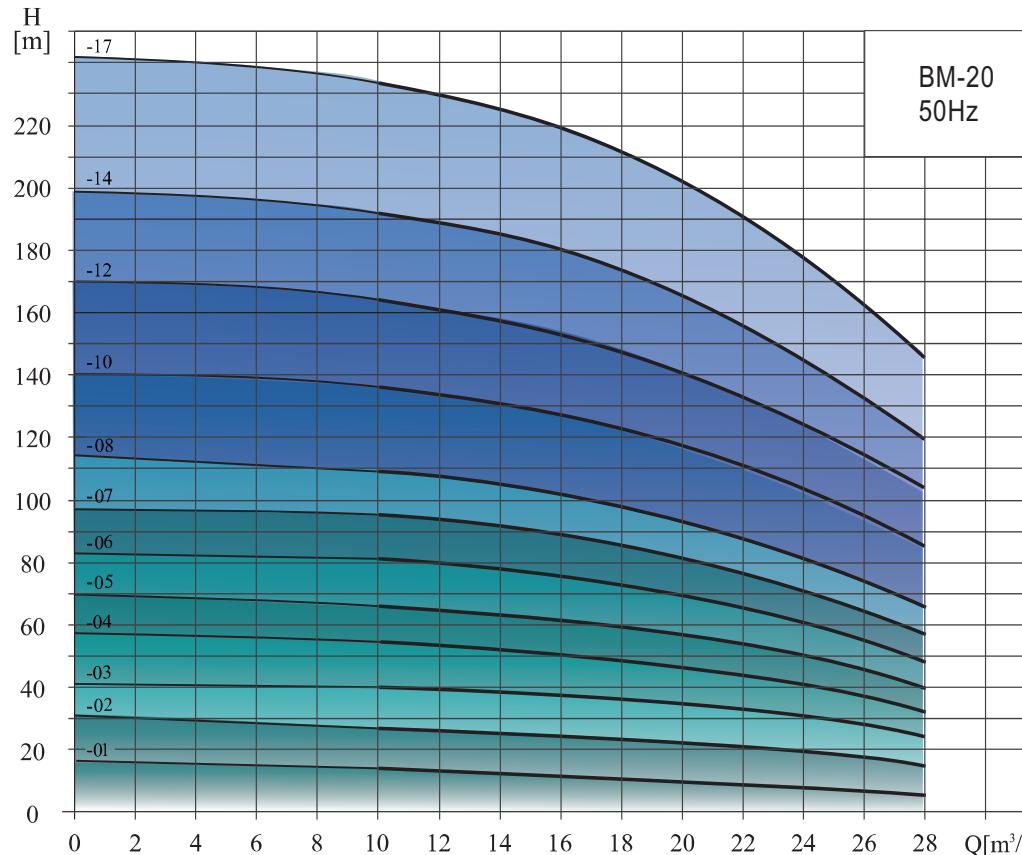
Replace 3rd digit in model name as 'S' for SS 304 Pump housing & Pump Cover and 'N' for SS316 Pump housing & Pump Cover. Suffix 'S' for single phase & 'T' for three phase motor.

By Default Pump will be supplied with round flange connection.

## PERFORMANCE CURVES

**BM-20**

**ALGO**  
CONNECTING TECHNOLOGIES

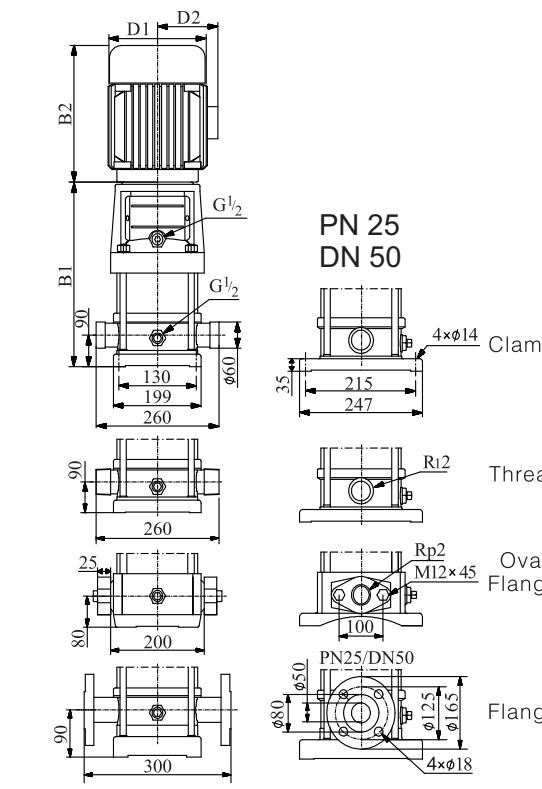


## PERFORMANCE & DIMENSIONAL DETAILS

### Performance Table

Model	Power		Q (m³/h)	2900 rpm									
	kW	HP		10	12	14	16	18	20	22	24	26	28
BMC-20/01	1.1	1.5		13.5	13	12.5	12	11	10	9	8	7	6
BMC-20/02	2.2	3		27	26.5	26	25	24	23	22	20	18	15
BMC-20/03	4.0	5.5		40	39.5	39	38	37	35	33	30	27	24
BMC-20/04	5.5	7.5		54	53	52	51	49	47	44	41	37	33
BMC-20/05	5.5	7.5		67	65	64	62	60	58	55	50	45	40
BMC-20/06	7.5	10		81	79	77	75	73	70	66	61	55	49
BMC-20/07	7.5	10		95	93	91	89	86	82	77	71	65	58
BMC-20/08	11	15		109	107	105	102	99	94	89	82	75	67
BMC-20/10	11	15		136	134	131	128	124	118	111	103	95	85
BMC-20/12	15	20		164	162	158	154	149	142	133	124	144	102
BMC-20/14	15	20		192	189	185	180	174	166	156	145	133	119
BMC-20/17	18.5	25		234	230	225	219	212	202	190	177	162	145

### Dimension & Weight Details



Model	Dimensions (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
BMC-20/01	387	280	667	170	142	33
BMC-20/02	397	333	730	190	155	42
BMC-20/03	452	382	834	230	188	58
BMC-20/04	517	435	952	260	208	74
BMC-20/05	562	435	997	260	208	76
BMC-20/06	607	435	1042	260	208	82
BMC-20/07	652	435	1087	260	208	84
BMC-20/08	785	580	1365	350	260	153
BMC-20/10	875	580	1455	350	260	157
BMC-20/12	965	580	1545	350	260	170
BMC-20/14	1055	580	1635	350	260	172
BMC-20/17	1190	610	1800	350	260	195

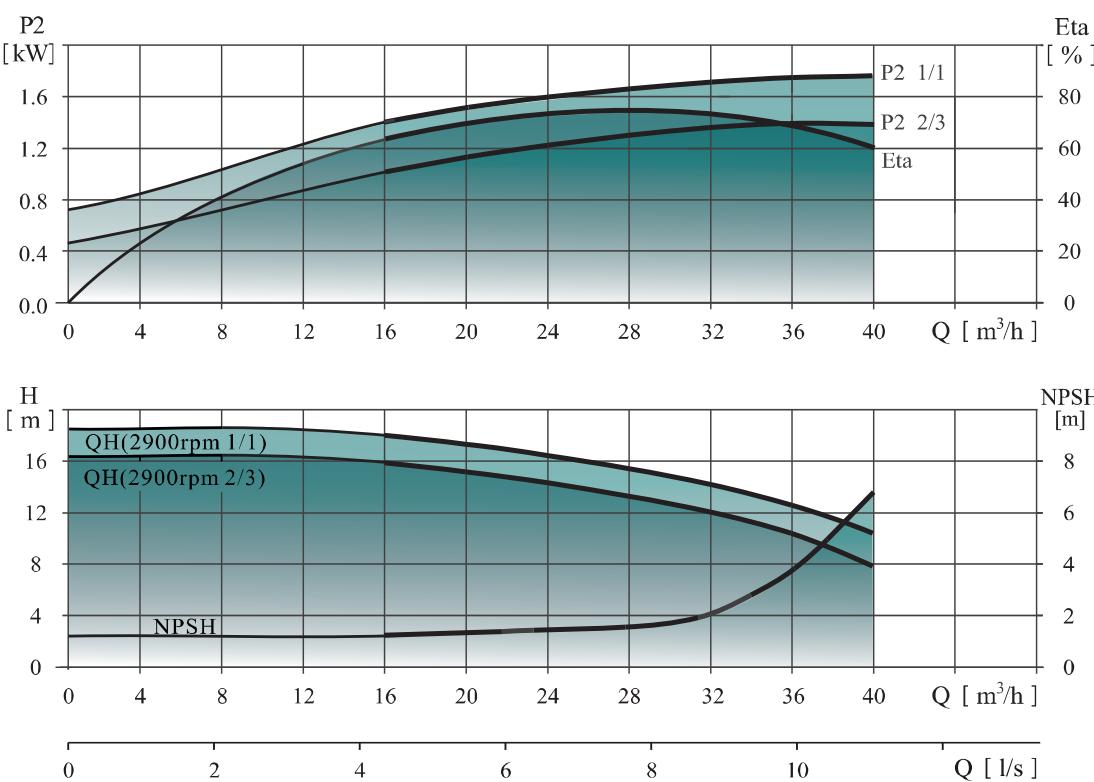
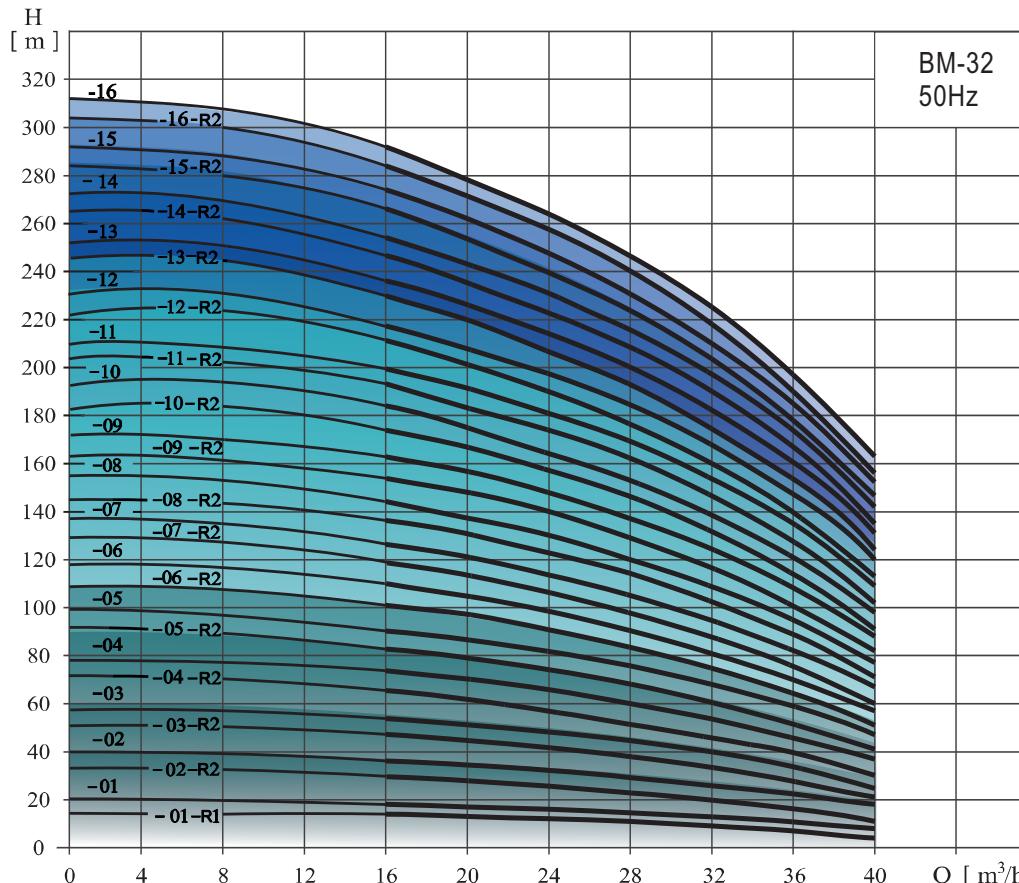
In view of continuous improvements in our design and process, the information, dimensions and specifications given herein are subject to change without notice.

Replace 3rd digit in model name as 'S' for SS 304 Pump housing & Pump Cover and 'N' for SS316 Pump housing & Pump Cover. Suffix 'S' for single phase & 'T' for three phase motor. By Default Pump will be supplied with round flange connection.

## PERFORMANCE CURVES

**BM-32**

**ALGO**  
CONNECTING TECHNOLOGIES

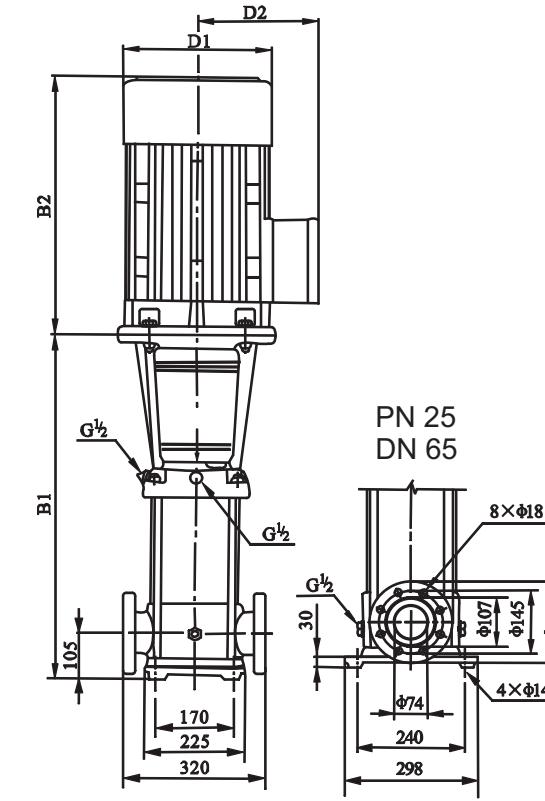


## PERFORMANCE & DIMENSIONAL DETAILS

### Performance Table

Model	Power		Q (m³/h)	2900 rpm						
	kW	HP		16	20	24	28	32	36	40
BMC-32/01-R1	1.5	2	H (m)	14	13	12	11	9	7	4
BMC-32/01	2.2	3		18	17	15	14	13	11	8
BMC-32/02-R2	3.0	4		29	28	26	23	20	16	11
BMC-32/02	4.0	5.5		36	34	32	29	27	23	18
BMC-32/03-R2	5.5	7.5		47	44	41	38	33	28	21
BMC-32/03	5.5	7.5		54	51	48	44	40	35	27
BMC-32/04-R2	7.5	10		65	62	58	53	46	40	30
BMC-32/04	7.5	10		72	69	65	59	53	47	37
BMC-32/05-R2	11	15		83	79	74	68	60	52	41
BMC-32/05	11	15		90	86	81	74	67	59	47
BMC-32/06-R2	11	15		101	97	90	83	74	65	51
BMC-32/06	11	15		108	104	97	90	81	72	57
BMC-32/07-R2	15	20		119	114	107	98	88	78	60
BMC-32/07	15	20		126	121	113	105	95	85	67
BMC-32/08-R2	15	20		136	131	123	114	102	90	71
BMC-32/08	15	20		144	138	130	120	109	97	77
BMC-32/16	30	40								

### Dimension & Weight Details



Model	Dimensions( mm )					Weight (kg)
	B1	B2	B1+B2	D1	D2	
BMC-32/01-R1/32-01	505	333	838	190	155	67
BMC-32/02-R2/32-02	575	370	945	230	185	83
BMC-32/03-R2/32-03	645	435	1080	260	208	100
BMC-32/04-R2/32-04	715	435	1150	260	208	109
BMC-32/05-R2/32-05	890	580	1470	350	260	181
BMC-32/06-R2/32-06	960	580	1540	350	260	185
BMC-32/07-R2/32-07	1030	580	1610	350	260	199
BMC-32/08-R2/32-08	1100	580	1680	350	260	203
BMC-32/09-R2/32-09	1170	610	1780	350	260	222
BMC-32/10-R2/32-10	1240	610	1850	350	260	227
BMC-32/11-R2/32-11	1310	645	1955	360	285	272
BMC-32/12-R2/32-12	1380	645	2025	360	285	276
BMC-32/13-R2/32-13	1450	705	2155	400	310	337
BMC-32/14-R2/32-14	1520	705	2225	400	310	341
BMC-32/15-R2/32-15	1590	705	2295	400	310	345
BMC-32/16-R2/32-16	1660	705	2365	400	310	350

In view of continuous improvements in our design and process, the information, dimensions and specifications given herein are subject to change without notice.

Replace 3rd digit in model name as 'S' for SS 304 Pump housing & Pump Cover and 'N' for SS316 Pump housing & Pump Cover. Suffix 'S' for single phase & 'T' for three phase motor.

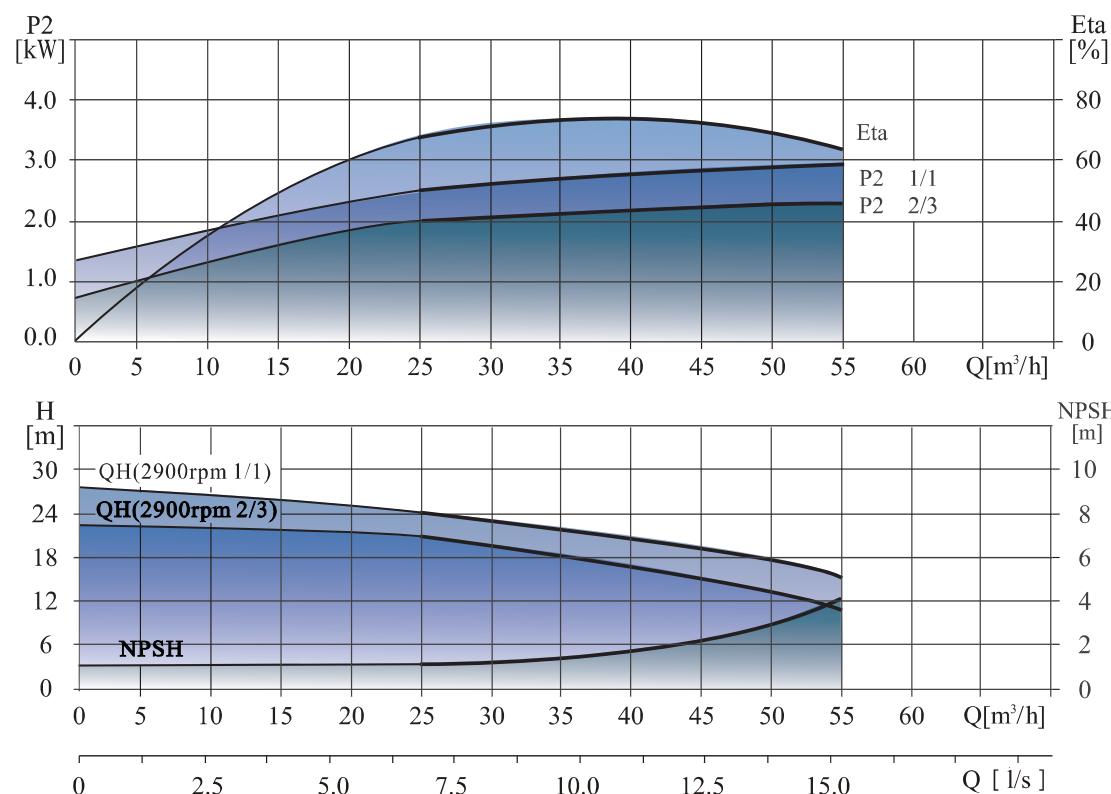
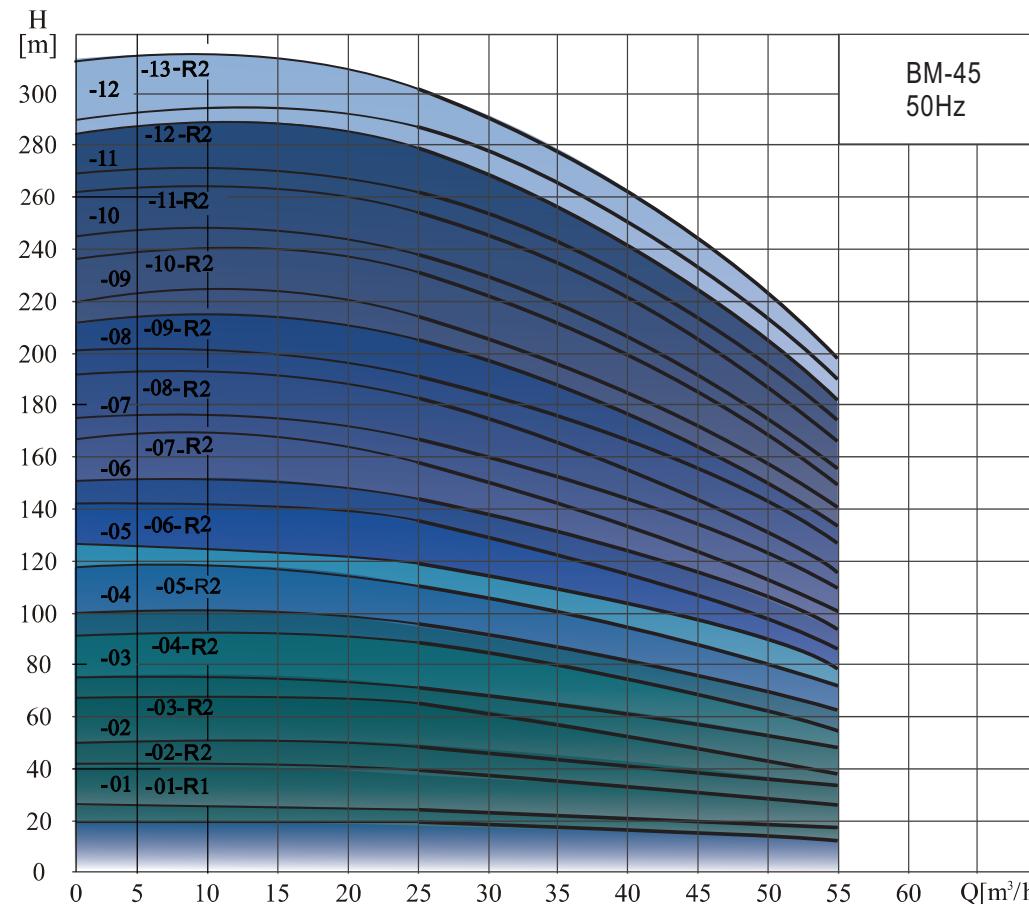
By Default Pump will be supplied with round flange connection.

## PERFORMANCE CURVES

**BM-45**

## PERFORMANCE & DIMENSIONAL DETAILS

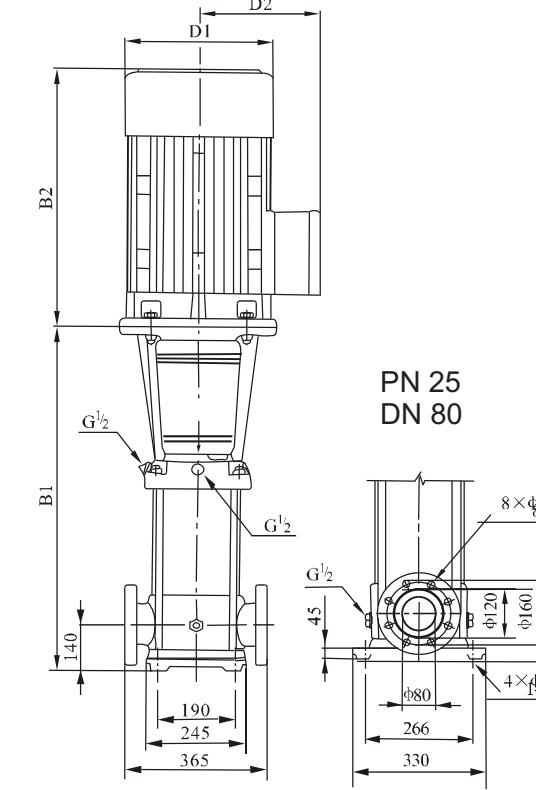
**ALGO**  
CONNECTING TECHNOLOGIES



## Performance Table

Model	Power		Q (m³/h)	25	30	35	40	45	50	55
	kW	HP								
BMC-45-01-R1	3	4	H (m)	20	19	18	17	15	13	11
BMC-45-01	4	5.5		24	23	22	21	19	18	16
BMC-45-02-R2	5.5	7.5		40	38	36	33	30	27	23
BMC-45-02	7.5	10		48	46	44	42	39	35	31
BMC-45-03-R2	11	15		63	61	58	54	50	44	38
BMC-45-03	11	15		71	69	66	63	58	53	47
BMC-45-04-R2	15	20		87	84	80	75	69	62	54
BMC-45-04	15	20		95	92	88	84	78	71	62
BMC-45-05-R2	18.5	25		111	107	102	94	88	80	69
BMC-45-05	18.5	25		119	115	110	105	97	88	78
BMC-45-06-R2	22	30		135	130	124	117	108	97	85
BMC-45-06	22	30		143	138	132	125	116	106	93
BMC-45-07-R2	30	40		158	152	146	138	127	115	100
BMC-45-07	30	40		166	161	154	146	135	124	109
BMC-45-08-R2	30	40		182	175	168	159	146	133	116
BMC-45-08	30	40		190	184	176	167	154	141	124
BMC-45-09-R2	30	40		205	198	190	180	166	150	132
BMC-45-9	37	50		214	207	198	188	174	159	140
BMC-45-10-R2	37	50		230	221	212	200	185	168	147
BMC-45-10	37	50		238	230	220	209	193	177	155
BMC-45-11-R2	45	60		255	246	236	223	206	188	165
BMC-45-11	45	60		263	255	244	232	214	196	173
BMC-45-12-R2	45	60		280	270	259	245	226	206	181
BMC-45-12	45	60		289	280	268	255	236	216	190
BMC-45-13-R2	45	60		305	294	282	267	247	225	198

## Dimension & Weight Detail



Model	Dimensions( mm )					Weight (kg)
	B1	B2	B1+B2	D1	D2	
BMC-45-01-R1	561	370	931	230	185	89
BMC-45-01	561	370	931	230	185	89
BMC-45-02-R2	641	435	1076	260	208	108
BMC-45-02	641	435	1076	260	208	108
BMC-45-03-R2	826	580	1406	350	260	183
BMC-45-03	826	580	1406	350	260	183
BMC-45-04-R2	906	580	1486	350	260	197
BMC-45-04	906	580	1486	350	260	197
BMC-45-05-R2	986	610	1596	350	260	221
BMC-45-05	986	610	1596	350	260	221
BMC-45-06-R2	1066	645	1711	360	285	261
BMC-45-06	1066	645	1711	360	285	261
BMC-45-07-R2	1146	705	1851	400	310	320
BMC-45-07	1146	705	1851	400	310	320
BMC-45-08-R2	1226	705	1931	400	310	324
BMC-45-08	1226	705	1931	400	310	324
BMC-45-09-R2	1306	705	2011	400	310	328
BMC-45-9	1306	740	2011	400	310	328
BMC-45-10-R2	1386	740	2091	400	310	355
BMC-45-10	1386	740	2091	400	310	355
BMC-45-11-R2	1466	740	2206	450	345	426
BMC-45-11	1466	740	2206	450	345	426
BMC-45-12-R2	1546	740	2286	450	345	432
BMC-45-12	1546	740	2286	450	345	432
BMC-45-13-R2	1626	740	2366	450	345	438

In view of continuous improvements in our design and process, the information, dimensions and specifications given herein are subject to change without notice.

Replace 3rd digit in model name as 'S' for SS 304 Pump housing & Pump Cover and 'N' for SS316 Pump housing & Pump Cover. Suffix 'S' for single phase & 'T' for three phase motor.

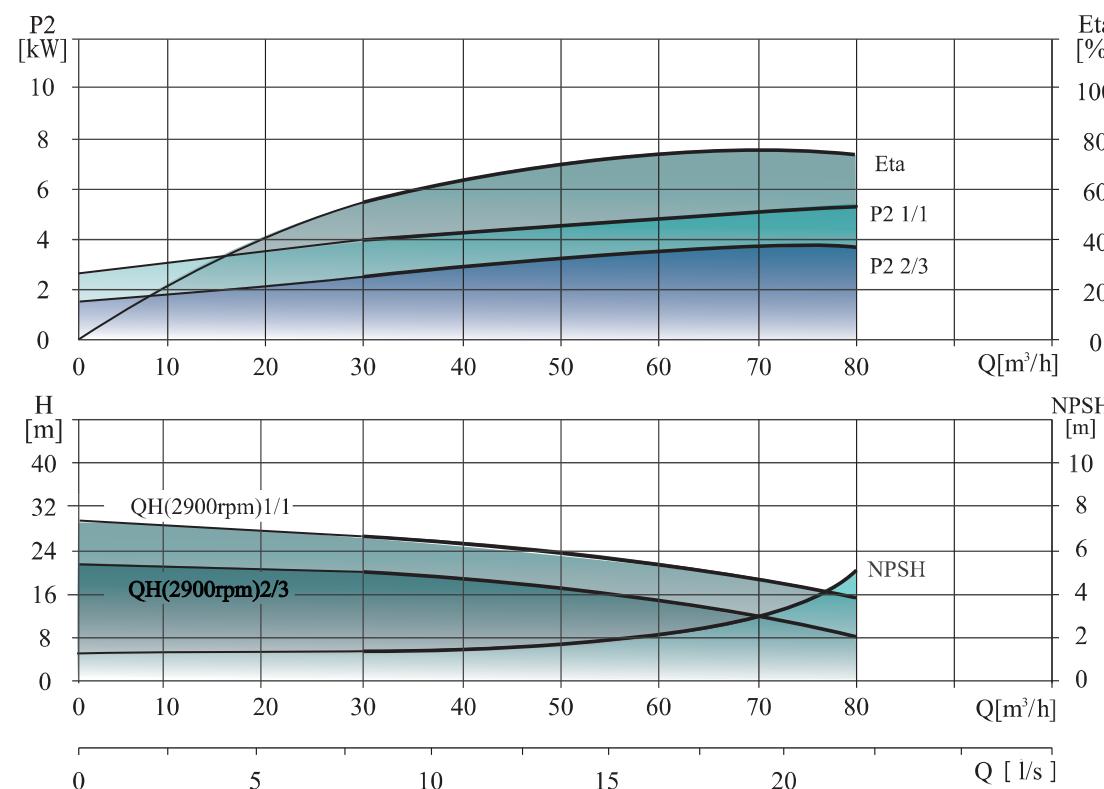
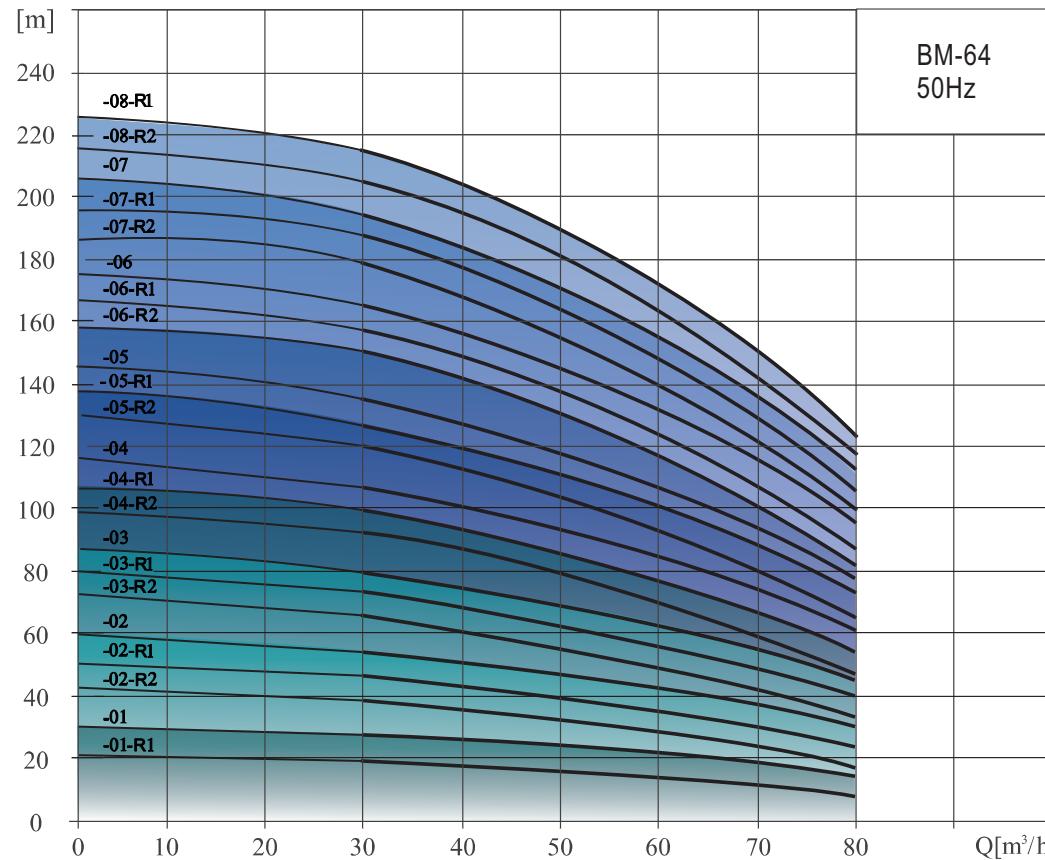
By Default Pump will be supplied with round flange connection

## PERFORMANCE CURVES

**BM-64**

## PERFORMANCE & DIMENSIONAL DETAILS

**ALGO**  
CONNECTING TECHNOLOGIES

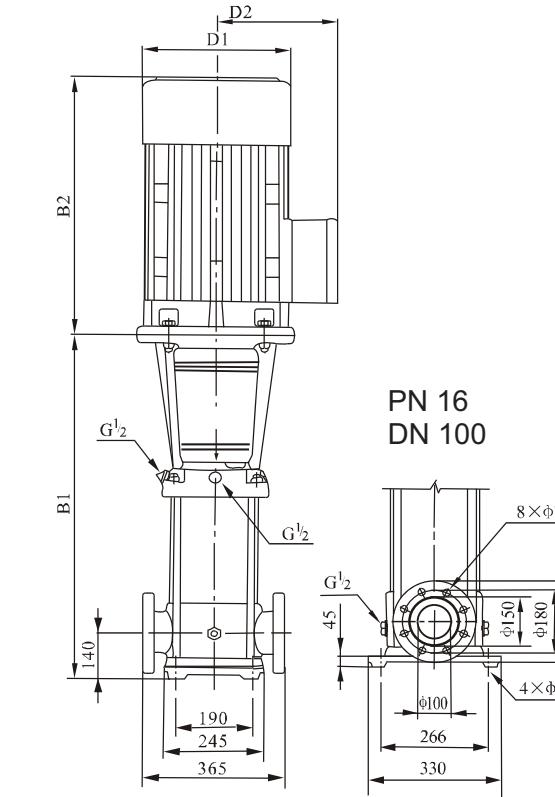


Performance Table

Model	Power		Q (m³/h)	30	40	50	60	64	70	80
	kW	HP								
BMC-64-01-R1	4	5.5		19	18	16	14	13	11	8
BMC-64-01	5.5	7.5		27	25	23	21	20	18	15
BMC-64-02-R2	7.5	10		39	36	33	29	27	23	17
BMC-64-02-R1	11	15		46	44	40	36	34	30	24
BMC-64-02	11	15		53	51	47	43	41	37	30
BMC-64-03-R2	15	20		66	62	56	50	47	41	32
BMC-64-03-R1	15	20		73	69	63	57	54	48	39
BMC-64-03	18.5	25		80	76	70	64	61	55	46
BMC-64-04-R2	18.5	25		92	87	80	71	67	60	47
BMC-64-04-R1	22	30		100	94	87	78	74	67	54
BMC-64-04	22	30		107	101	94	85	81	74	61
BMC-64-05-R2	30	40		121	114	105	95	89	80	64
BMC-64-05-R1	30	40		128	121	112	102	96	87	71
BMC-64-05	30	40		136	129	119	109	103	94	78
BMC-64-06-R2	30	40		150	142	131	118	111	101	81
BMC-64-06-R1	37	50		157	149	138	125	118	108	88
BMC-64-06	37	50		164	156	145	132	125	115	95
BMC-64-07-R2	37	50		179	169	156	141	133	121	99
BMC-64-07-R1	37	50		186	176	163	148	141	128	106
BMC-64-07	45	60		193	183	170	155	148	135	112
BMC-64-08-R2	45	60		207	196	182	164	156	142	116
BMC-64-08-R1	45	60		215	203	189	171	163	149	123

2900 rpm

Dimension & Weight Details



Model	Dimensions (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
BMC-64-01-R1	561	370	931	230	188	93
BMC-64-01	561	435	996	260	208	105
BMC-64-02-R2	644	435	1079	260	208	110
BMC-64-02-R1	754	580	1334	350	260	182
BMC-64-02	754	580	1334	350	260	182
BMC-64-03-R2	836	580	1416	350	260	197
BMC-64-03-R1	836	580	1416	350	260	197
BMC-64-03	836	610	1416	330	260	221
BMC-64-04-R2	919	610	1529	350	260	225
BMC-64-04-R1	919	645	1564	360	285	258
BMC-64-04	919	645	1564	400	285	258
BMC-64-05-R2	1001	705	1706	400	310	317
BMC-64-05-R1	1001	705	1706	400	310	231
BMC-64-05	1001	705	1706	400	310	231
BMC-64-06-R2	1084	705	1789	400	310	325
BMC-64-06-R1	1084	705	1789	400	310	349
BMC-64-06	1084	705	1871	400	310	349
BMC-64-07-R2	1166	705	1871	400	310	353
BMC-64-07-R1	1166	705	1871	460	310	353
BMC-64-07	1166	740	1906	460	340	420
BMC-64-08-R2	1248	740	1988	460	340	424
BMC-64-08-R1	1248	740	1988	460	340	424

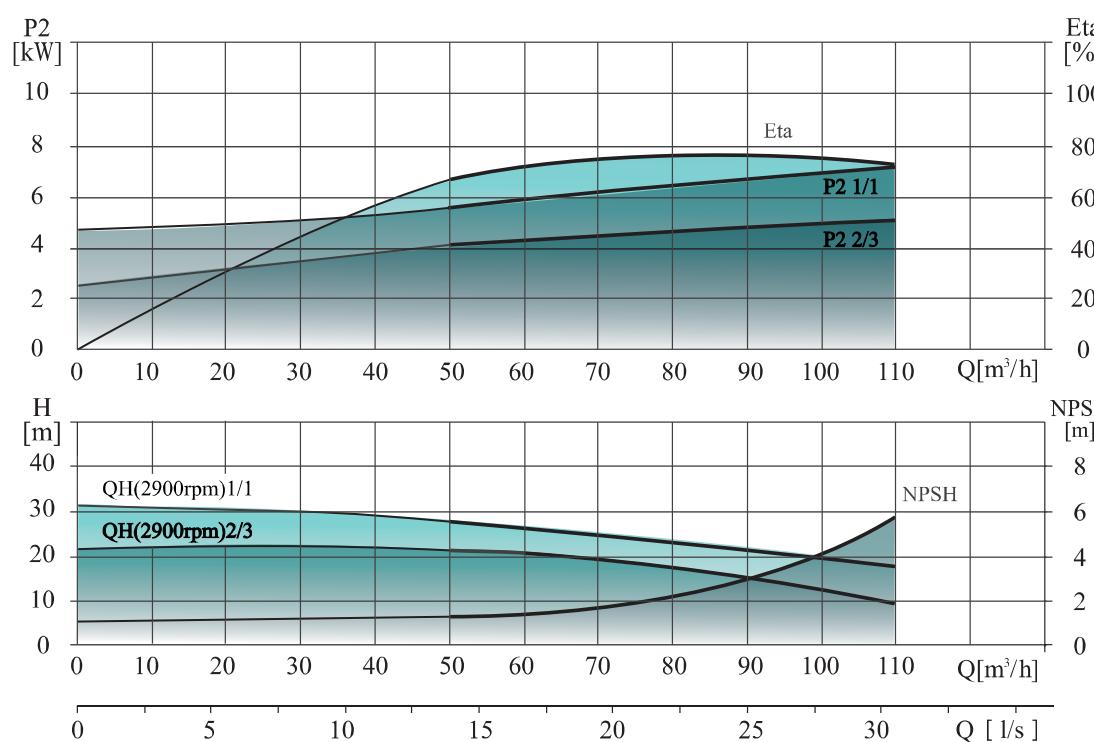
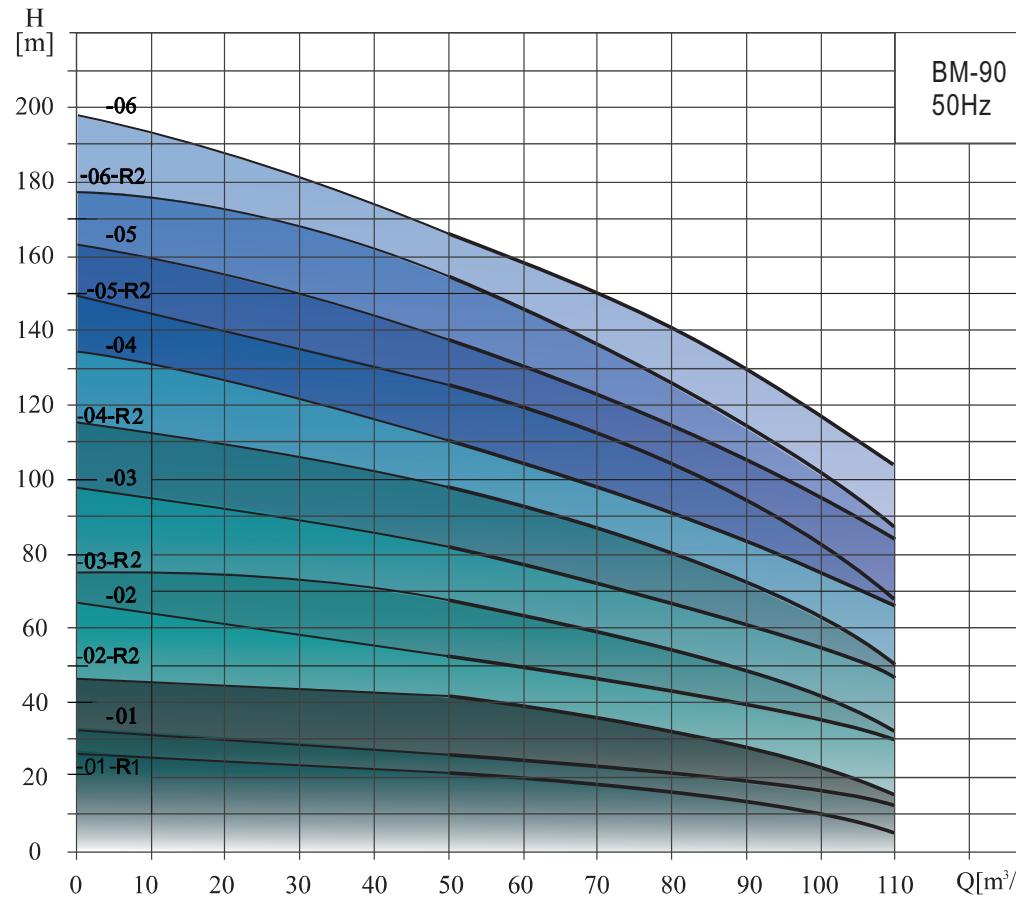
In view of continuous improvements in our design and process, the information, dimensions and specifications given herein are subject to change without notice.

Replace 3rd digit in model name as 'S' for SS 304 Pump housing & Pump Cover and 'N' for SS316 Pump housing & Pump Cover. Suffix 'S' for single phase & 'T' for three phase motor.

By Default Pump will be supplied with round flange connection.

## PERFORMANCE CURVES

**BM-90**



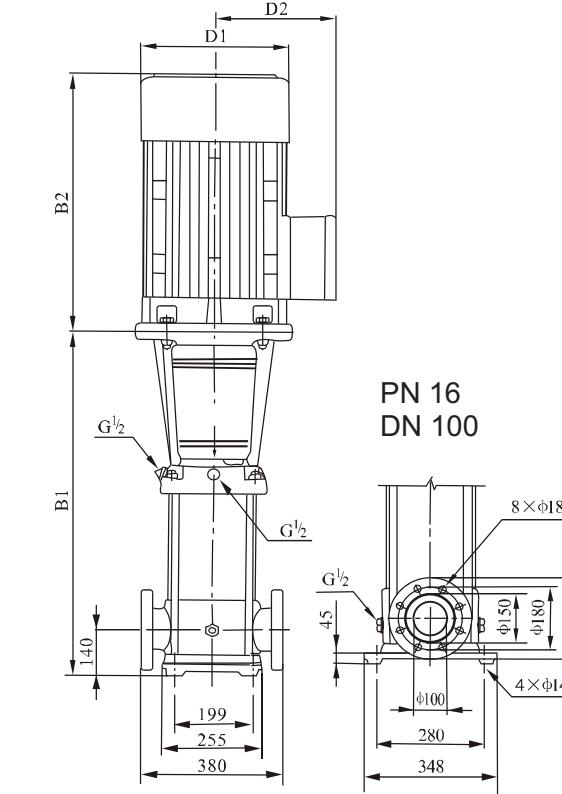
## PERFORMANCE & DIMENSIONAL DETAILS

2900 rpm

Performance Table

Model	Power		Q (m³/h)	H (m)						
	kW	HP		50	60	70	80	90	100	110
BMC-90-01-R1	5.5	7.5	22	19	17	16	13	10	6	
BMC-90-01	7.5	10	25	24	22	21	19	16	12	
BMC-90-02-R2	11	15	41	39	36	32	28	22	15	
BMC-90-02	15	20	53	50	47	44	40	236	30	
BMC-90-03-R2	18.5	25	68	65	60	55	49	41	32	
BMC-90-03	22	30	81	77	72	67	62	55	48	
BMC-90-04-R2	30	40	98	93	87	80	72	62	50	
BMC-90-04	30	40	110	105	100	92	84	64	66	
BMC-90-05-R2	37	50	126	120	113	104	93	81	68	
BMC-90-05	37	50	139	131	124	115	106	94	83	
BMC-90-06-R2	45	60	155	148	139	129	117	102	86	
BMC-90-06	45	60	168	160	150	141	130	117	103	

Dimension & Weight Details



Model	Dimensions (mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
BMC-90-01-R1	571	435	1006	260	208	105
BMC-90-01	571	435	1006	260	208	110
BMC-90-02-R2	773	580	1353	350	260	181
BMC-90-02	773	580	1353	350	260	192
BMC-90-03-R2	865	610	1475	350	260	215
BMC-90-03	865	645	1510	360	285	252
BMC-90-04-R2	957	705	1662	400	310	312
BMC-90-04	957	705	1662	400	310	312
BMC-90-05-R2	1049	705	1754	400	310	336
BMC-90-05	1049	705	1754	400	310	336
BMC-90-06-R2	1141	740	1881	460	340	407
BMC-90-06	1141	740	1881	460	340	407

In view of continuous improvements in our design and process, the information, dimensions and specifications given herein are subject to change without notice.

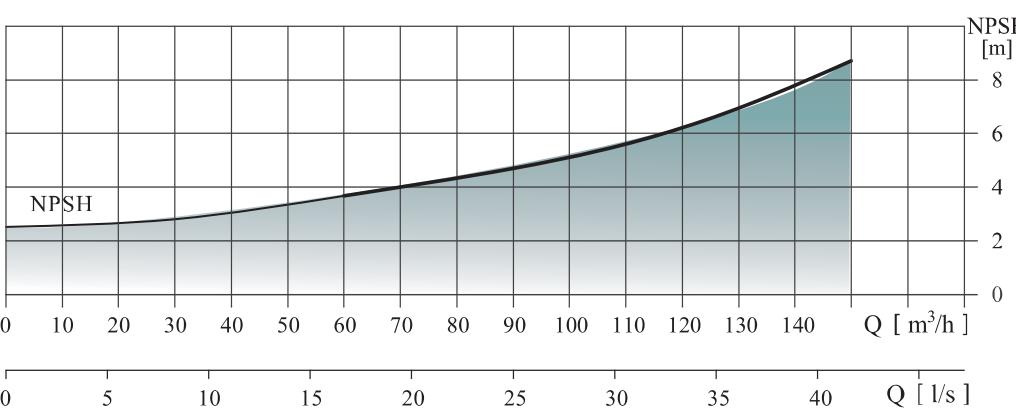
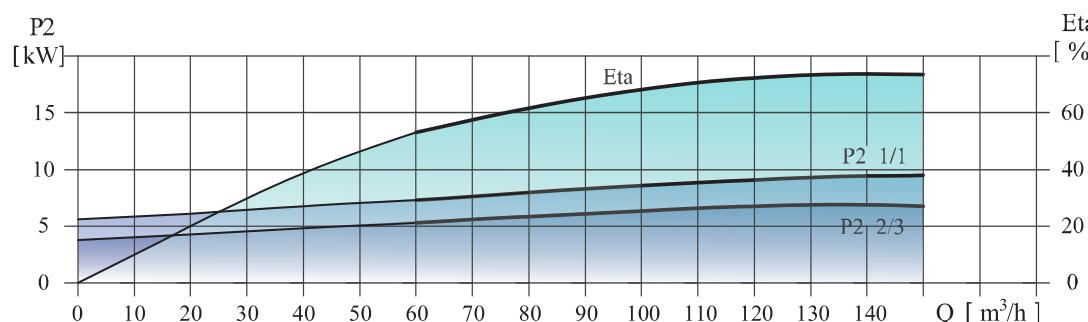
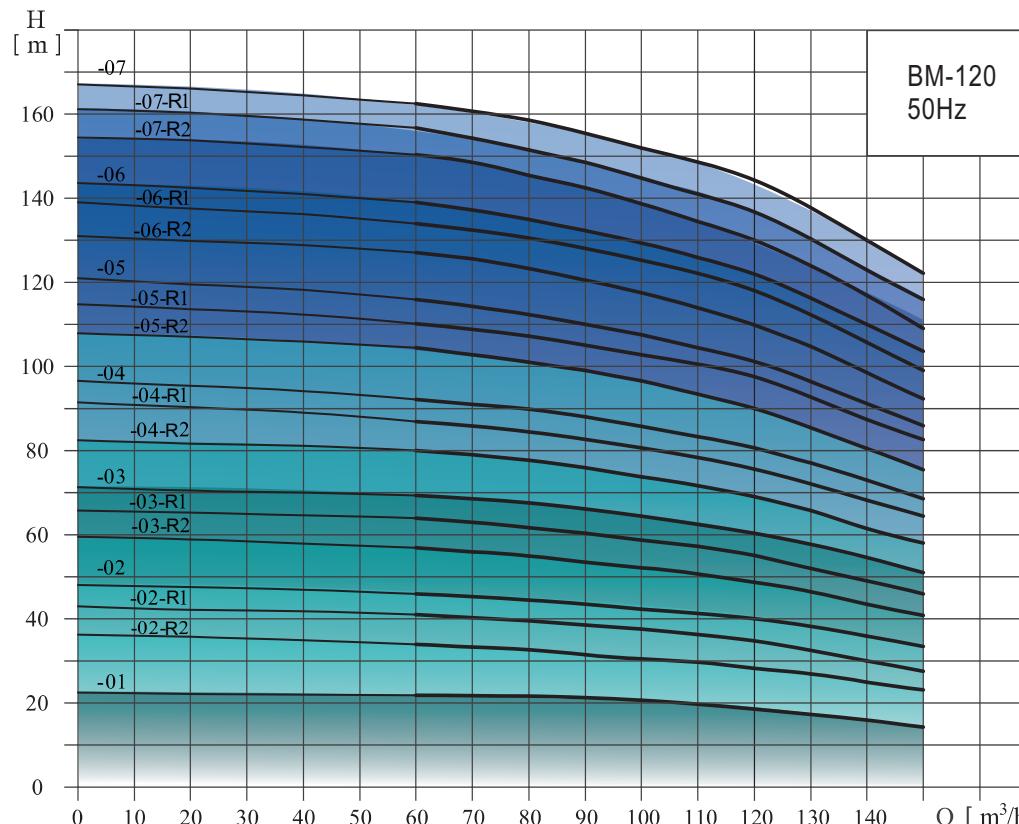
Replace 3rd digit in model name as 'S' for SS 304 Pump housing & Pump Cover and 'N' for SS316 Pump housing & Pump Cover. Suffix 'S' for single phase & 'T' for three phase motor.

By Default Pump will be supplied with round flange connection.

## PERFORMANCE CURVES

**BM-120**

**ALGO**  
CONNECTING TECHNOLOGIES

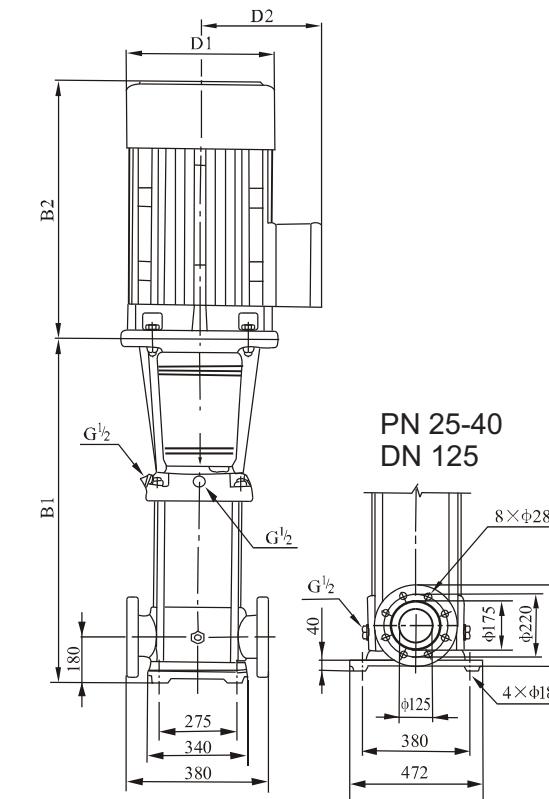


## PERFORMANCE & DIMENSIONAL DETAILS

Performance Table

Model	Power		Q ( $\text{m}^3/\text{h}$ )	2900 rpm									
	kW	HP		60	70	80	90	100	110	120	130	140	150
BMC-120-01	11	15	22	21.8	21.6	21	20.5	19.5	18.5	17	16	15	
BMC-120-02R2	15	20	34	33.6	33	31	30.2	30	28.5	27	25	24	
BMC-120-02R1	18.5	25	41	40	39.5	38.5	37	36.5	34.5	32.5	30	27.5	
BMC-120-02	22	30	46	45	44.5	43.5	42.4	41	40	38	36	33.5	
BMC-120-03R2	30	40	57	56	55	53.5	52	51	49	46.5	43.5	41	
BMC-120-03R1	30	40	64	63	62	60	58.5	57.5	55.5	52	49	46	
BMC-120-03	30	40	69.5	68.5	67.5	66	54.5	62.5	61	57.5	54.5	51	
BMC-120-04R2	37	50	80.5	79	78	76	73.5	72	69	66	61.5	58	
BMC-120-04R1	37	50	87	86	84.5	82	80	78	76	72	68	64.5	
BMC-120-04	45	60	92.5	91	90	88	85.5	83	81	77	73	68.5	
BMC-120-05R2	45	60	104.5	103	101	99	96	93	90	85.5	80.5	75.5	
BMC-120-05R1	45	60	110.5	109	107.5	105	102	100	97	92.5	86.5	83	
BMC-120-05	55	75	115.5	114	113	110	107.5	104.5	101.5	96	91	86	
BMC-120-06R2	55	75	128	125.5	123	121	117.5	113.5	110	104.5	98.5	92.5	
BMC-120-06R1	55	75	134	132	130.5	127	124	121	118	111	105	100	
BMC-120-06	75	100	139	137	135	132	128.5	126	123	116	110	104	
BMC-120-07R2	75	100	151	148	145.5	143	138.5	134	130	123.5	116.5	109	
BMC-120-07R1	75	100	156.5	154	152	148.5	144.5	141	137.5	130	123	116.5	
BMC-120-07	75	100	162.5	160.5	158.5	155	151	148	145	137	129	123	

Dimension & Weight Details



Model	Dimensions( mm )					Weight (kg)
	B1	B2	B1+B2	D1	D2	
BMC-120-01	840	580	1420	350	260	230
BMC-120-02R2	1000	580	1580	350	260	245
BMC-120-02R1	1000	610	1610	350	260	250
BMC-120-02	1000	645	1645	360	285	285
BMC-120-03R2	1160	705	1645	400	310	358
BMC-120-03R1	1160	705	1645	400	310	360
BMC-120-03	1160	705	2025	400	310	360
BMC-120-04R2	1320	705	2025	400	310	400
BMC-120-04R1	1320	705	2060	400	310	400
BMC-120-04	1320	740	2220	460	340	460
BMC-120-05R2	1480	740	2220	460	340	470
BMC-120-05R1	1480	740	2220	460	340	470
BMC-120-05	1510	810	2320	550	370	575
BMC-120-06R2	1670	810	2480	550	370	585
BMC-120-06R1	1670	810	2480	550	370	585
BMC-120-06	1670	870	2540	580	410	705
BMC-120-07R2	1830	870	2700	580	410	713
BMC-120-07R1	1830	870	2700	580	410	715
BMC-120-07	1830	870	2700	580	410	715

In view of continuous improvements in our design and process, the information, dimensions and specifications given herein are subject to change without notice.

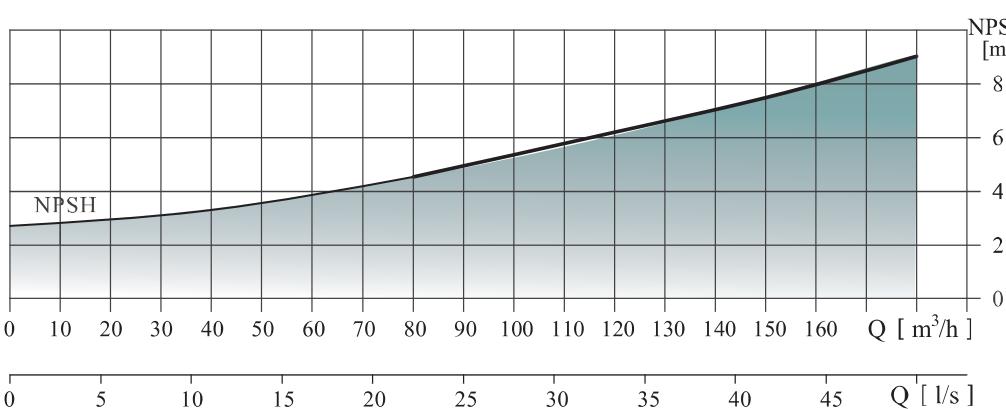
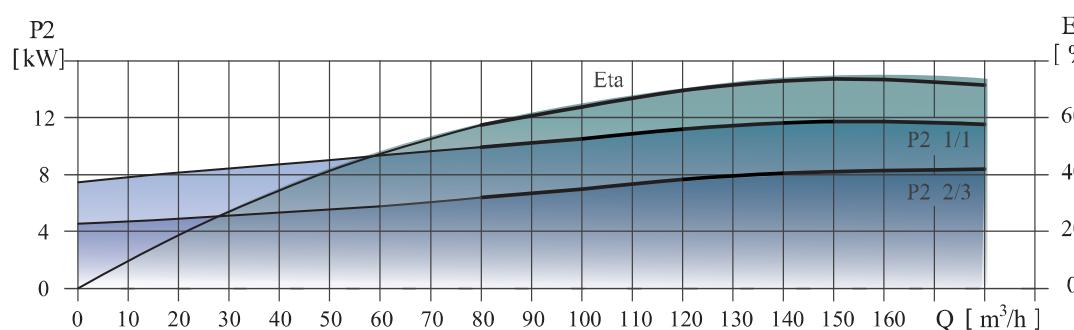
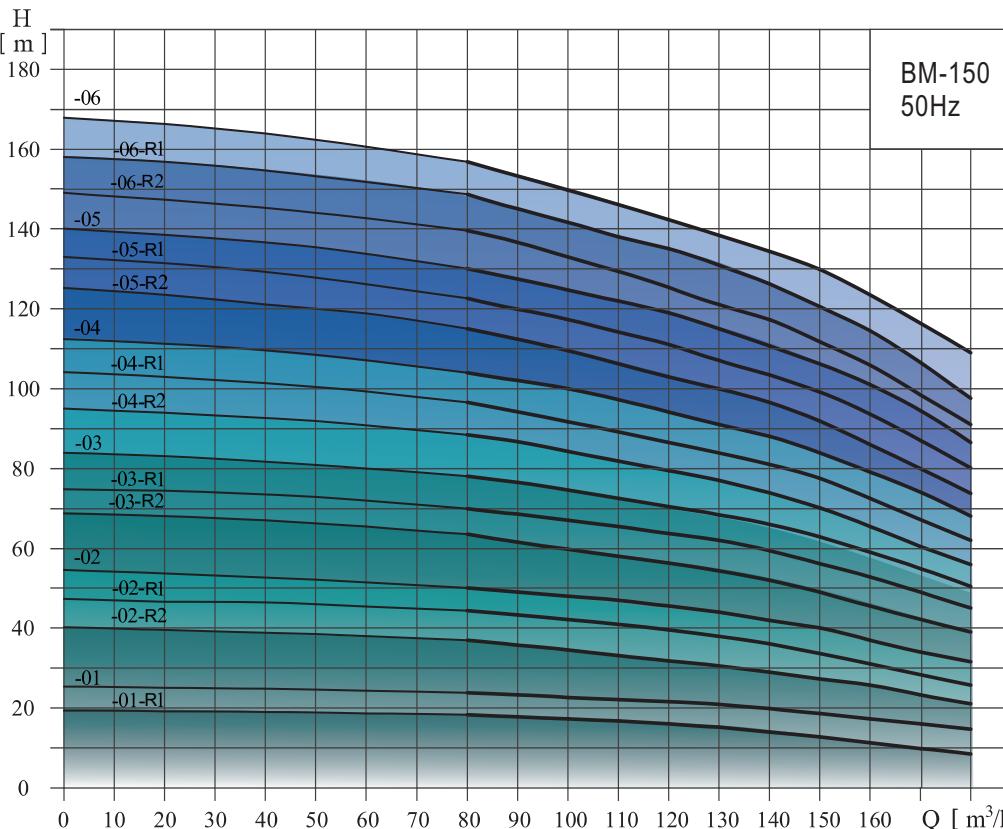
Replace 3rd digit in model name as 'S' for SS 304 Pump housing & Pump Cover and 'N' for SS316 Pump housing & Pump Cover. Suffix 'S' for single phase & 'T' for three phase motor.  
By Default Pump will be supplied with round flange connection.

## PERFORMANCE CURVES

**BM-150**

## PERFORMANCE & DIMENSIONAL DETAILS

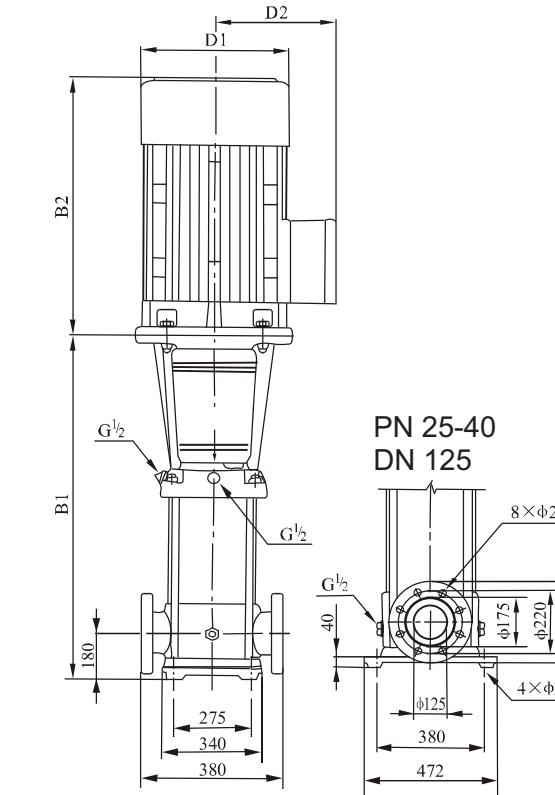
**ALGO**  
CONNECTING TECHNOLOGIES



Performance Table

Model	Power		Q (m³/h)	2900 rpm									
	kW	HP		80	90	100	110	120	130	140	150	160	170
BMC-150-01-R1	11	15	18.3	17.8	17.3	17	16	15	14	12.5	11	10	8.5
BMC-150-01	15	20	24	23	22.5	22	21.5	20.5	20	18.5	17	16	15
BMC-150-02-R2	18.5	25	37	35.5	34	33	32	31	29	27.5	26	23	21
BMC-150-02-R1	22	30	44.5	43	42	40	39	38.5	37.5	35	33	30	27
BMC-150-02	30	40	50	49	48	47	45.5	44	42	40	37	34	32
BMC-150-03-R2	30	40	63.5	61	59	57.5	56	54.5	53	49	45.5	42	39
BMC-150-03-R1	37	50	70	68	67	65	63	62	60	56	53	49	45
BMC-150-03	37	50	78	76.5	75	73	70.5	68	66	63	59	55	50.5
BMC-150-04-R2	45	60	89	87	84	81.5	79	77	74.5	70.5	65.5	60	56
BMC-150-04-R1	45	60	96.5	94	91.5	89	86.5	84	81.5	77	72.5	67	62
BMC-150-04	55	75	104	102	100	97	95	91	88	84	79.5	74	68
BMC-150-05-R2	55	75	115	112	109	106	102.5	100	97	92	86	79	73.5
BMC-150-05-R1	75	100	122.5	119.5	117	113.5	111.5	107.5	104.5	99	93.5	87	80
BMC-150-05	75	100	130	127.5	125	121	119	155	111.5	106.5	101	94.5	86.5
BMC-150-06-R2	75	100	140	137	133	130	126	121	118	112	106	98	91
BMC-150-06-R1	75	100	148.5	145	141.5	137.5	135	131	127	120	114.5	106.5	97.5
BMC-150-06	75	100	157	153	149	145	142	139.5	137	130	123.5	116	109

Dimension & Weight Details



Model	Dimensions( mm )					Weight (kg)
	B1	B2	B1+B2	D1	D2	
BMC-150-01-R1	840	580	1420	350	260	235
BMC-150-01	840	580	1420	350	260	235
BMC-150-02-R2	1000	610	1610	350	260	250
BMC-150-02-R1	1000	645	1645	360	285	295
BMC-150-02	1000	705	1705	400	310	350
BMC-150-03-R2	1160	705	1865	400	310	360
BMC-150-03-R1	1160	705	1865	400	310	385
BMC-150-03	1160	705	1865	400	310	385
BMC-150-04-R2	1320	740	2060	460	340	460
BMC-150-04-R1	1320	740	2060	460	340	460
BMC-150-04	1350	810	2160	550	370	560
BMC-150-05-R2	1510	870	2320	550	370	570
BMC-150-05-R1	1510	870	2380	580	410	690
BMC-150-06	1510	870	2380	580	410	690
BMC-150-07-R2	1670	870	2540	580	410	700
BMC-150-07-R1	1670	870	2540	580	410	703
BMC-150-07	1670	870	2540	580	410	703

In view of continuous improvements in our design and process, the information, dimensions and specifications given herein are subject to change without notice.

Replace 3rd digit in model name as 'S' for SS 304 Pump housing & Pump Cover and 'N' for SS316 Pump housing & Pump Cover. Suffix 'S' for single phase & 'T' for three phase motor.

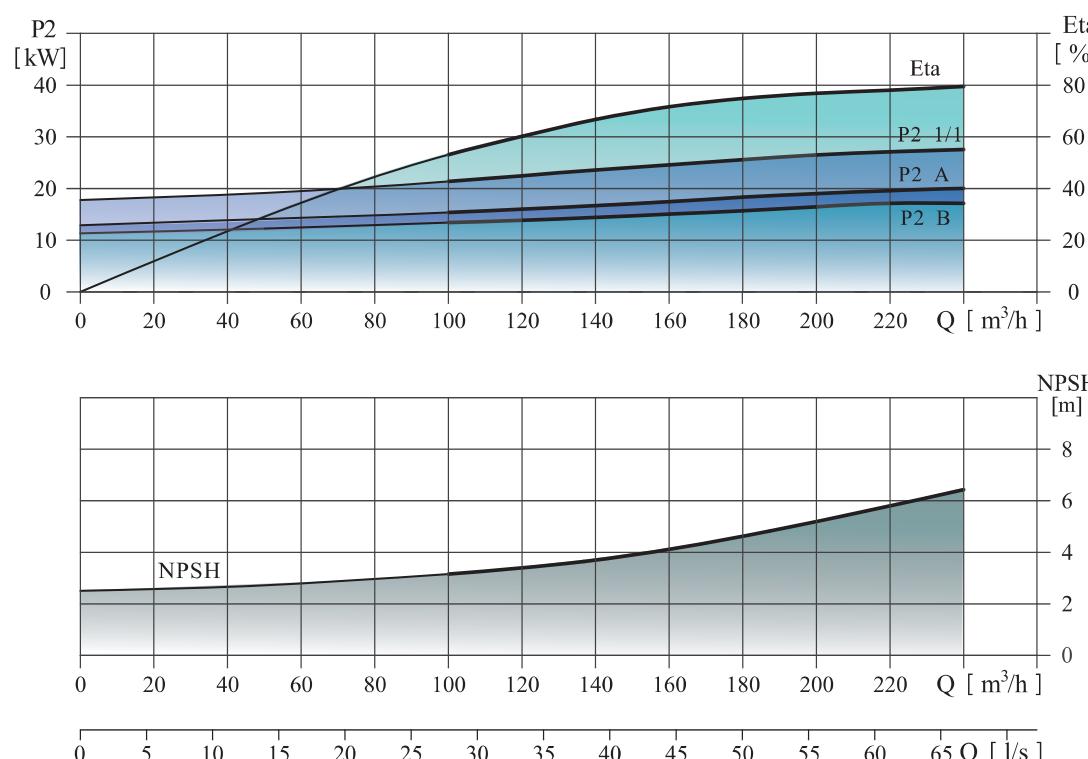
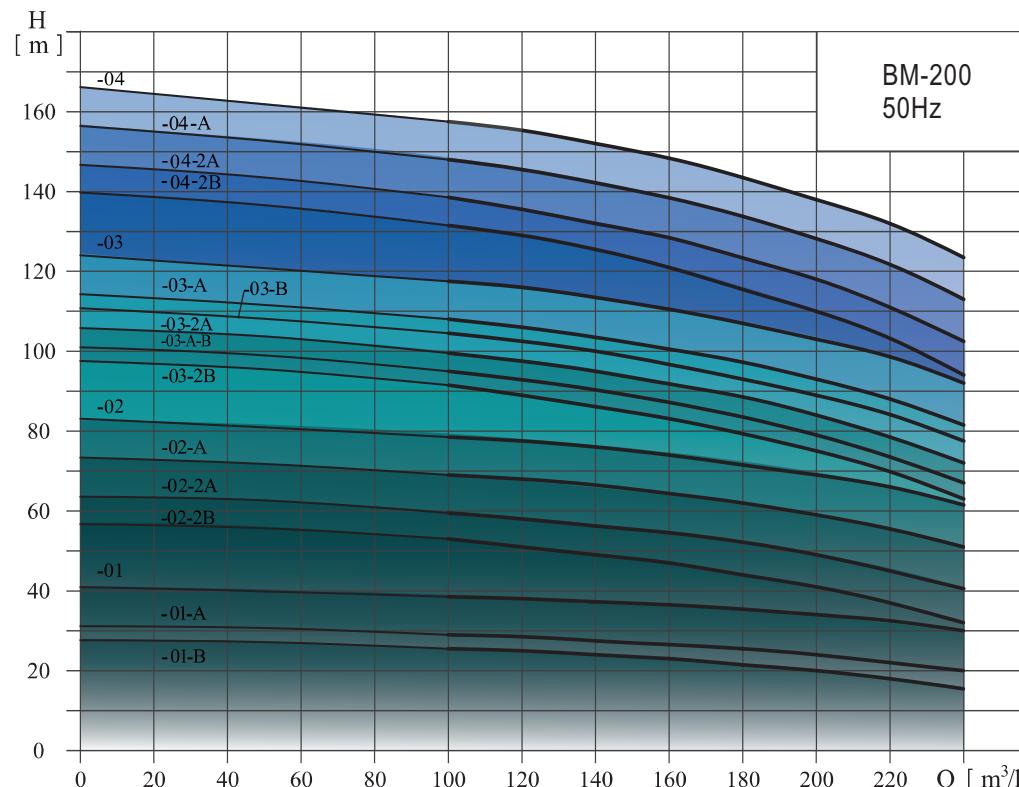
By Default Pump will be supplied with round flange connection.

## PERFORMANCE CURVES

BM-200

## PERFORMANCE & DIMENSIONAL DETAILS

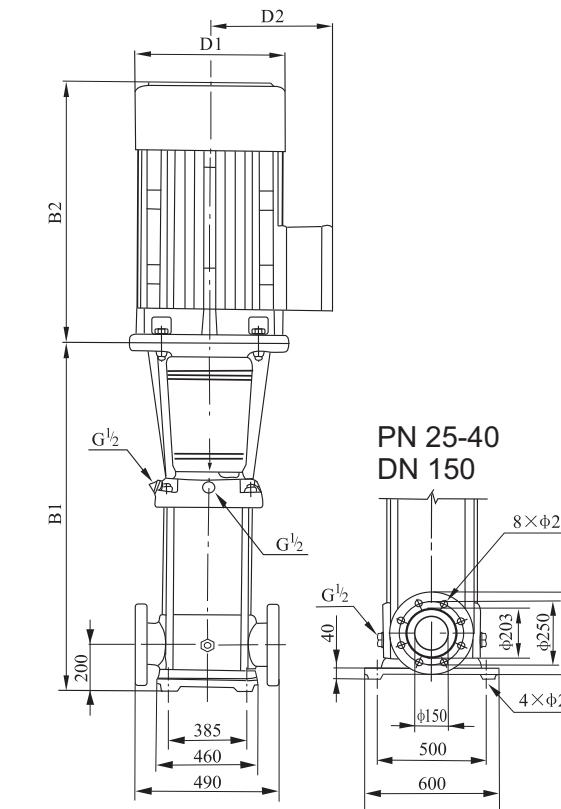
**ALGO**  
CONNECTING TECHNOLOGIES



## Performance Table

Model	Power		Q (m³/h)	100	120	140	160	180	200	220	240
	kW	HP									
BMC-200-01-B	18.5	25	H (m)	25.5	25	24	23	21.5	20	18	15.5
BMC-200-01-A	22	30		29	28.5	27.5	26.5	25.5	24	22	20
BMC-200-01	30	40		38.5	38	37.5	36.5	35	34	32.5	30
BMC-200-02-2B	37	50		53	51	49	47	44	41	37	32
BMC-200-02-2A	45	60		59.5	58	56	54	52.5	49	44.5	40.5
BMC-200-02-A	55	75		69	68	66	64	62	59	55.5	51
BMC-200-02	55	75		78.5	77.5	76	74	71.5	69	66	61.5
BMC-200-03-2B	75	100		91.5	89	86.5	83.5	79	75	70	63
BMC-200-03-A-B	75	100		95	93	90	87	83.5	79	73.5	67
BMC-200-03-2A	75	100		99.5	97.5	94.5	91.5	89	84	78.5	72
BMC-200-03-B	75	100		104.5	102.5	100	97	93	89	84.5	77.5
BMC-200-0-3-A	75	100		108	106	103.5	100.5	97.5	93	88	81.5
BMC-200-03	90	120		117.5	116	113.5	110.5	107	103	99	92
BMC-200-04-2B	90	120		131.5	129	125.5	121	115.5	110	103.5	94
BMC-200-04-2B	110	150		138.5	136	132	128	124	118	111	102.5
BMC-200-04-A	110	150		148	145.5	142.5	138	134	128	122	113
BMC-200-04	110	150		157.5	155.5	152.5	148	143.5	138	132.5	123.5

## Dimension & Weight Detail



Model	Dimension ( mm )					Weight (kg)
	B1	B2	B1+B2	D1	D2	
BMC-200-01-B	907	610	1517	350	260	311
BMC-200-01-A	907	645	1552	360	285	347
BMC-200-01	907	705	1612	400	310	403
BMC-200-02-B	1101	705	1806	400	310	447
BMC-200-02-2A	1101	740	1841	460	340	504
BMC-200-02-A	1131	810	1941	550	370	595
BMC-200-2	1131	810	1941	550	370	595
BMC-200-03-2B	1325	870	2195	580	410	748
BMC-200-03-A-B	1325	870	2195	580	410	748
BMC-200-03-2A	1325	870	2195	580	410	748
BMC-200-03-B	1325	870	2195	580	410	748
BMC-200-0-3-A	1325	870	2195	580	410	748
BMC-200-03	1325	920	2245	580	410	816
BMC-200-04-2B	1519	920	2439	580	410	830
BMC-200-04-2B	1519	1060	2579	1180	550	1180
BMC-200-04-A	1519	1060	2579	1180	550	1180
BMC-200-04	1519	1060	2579	1180	550	1180

In view of continuous improvements in our design and process, the information, dimensions and specifications given herein are subject to change without notice.

Replace 3rd digit in model name as 'S' for SS 304 Pump housing & Pump Cover and 'N' for SS316 Pump housing & Pump Cover. Suffix 'S' for single phase & 'T' for three phase motor. By Default Pump will be supplied with round flange connection.

## TECHNICAL DETAILS

## BR Series

## TECHNICAL DETAILS

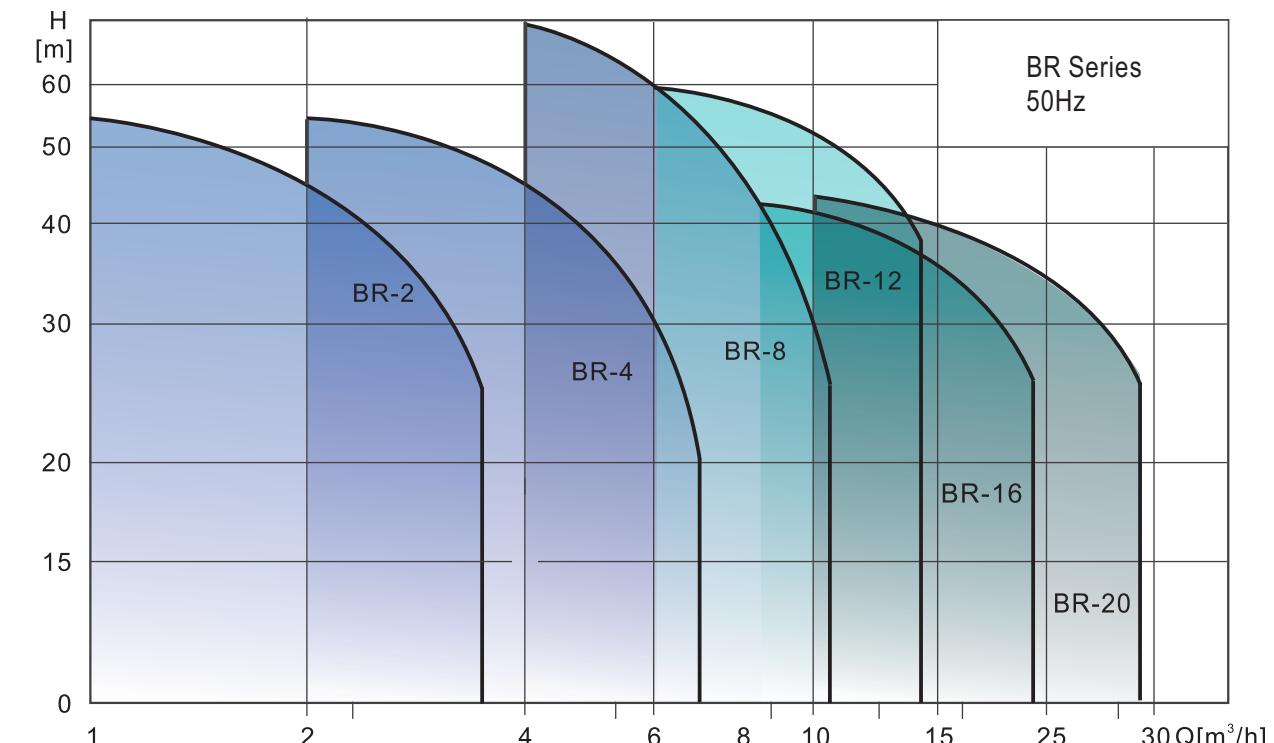
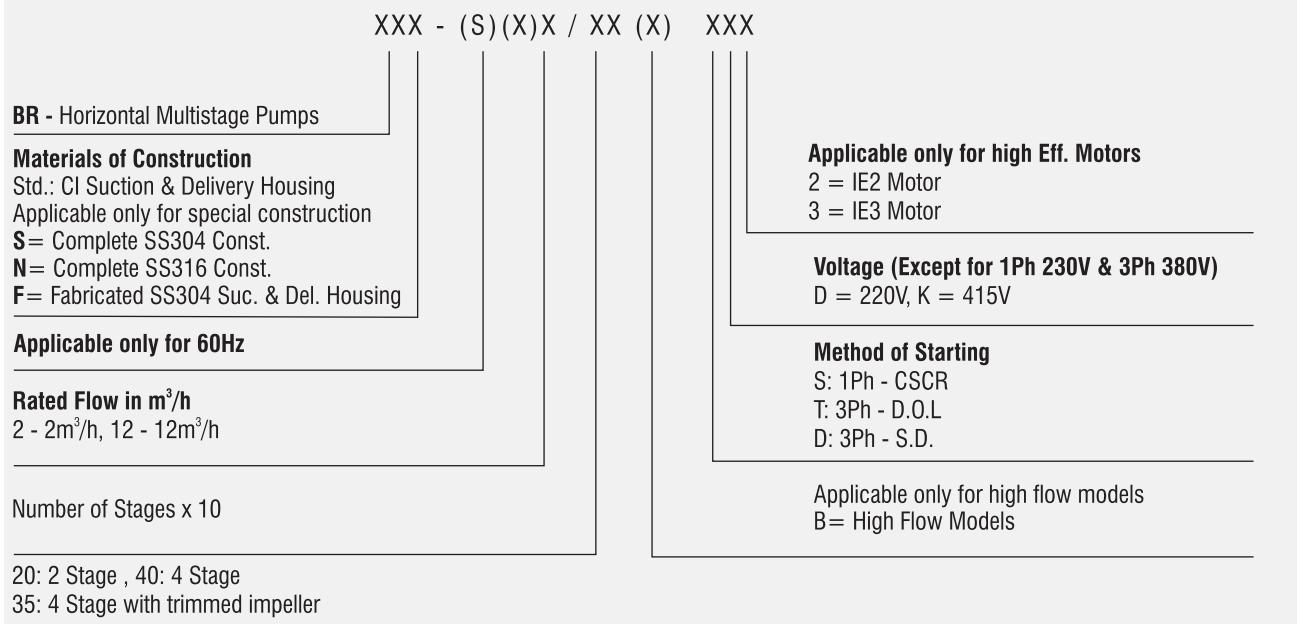


### HORIZONTAL MULTISTAGE CENTRIFUGAL PUMPS - BR SERIES

#### Technical Specifications

Power Range	0.37 - 4 kW / 0.5 - 5.5 HP
Version	1Ph - 230V, 50Hz AC
	3Ph - 380 -415V, 50Hz AC
Speed	2900 RPM
Protection	IP 55
Insulation Class	F Class
Duty	S1 (continuous)
Direction of Rotation	Clockwise viewed from driving end
Sealing	Mechanical Seal
Max. Liquid Temperature	Std.: -15 to +70°C, High Temp.: upto 104°C
Max. Ambient Temperature	50°C
Max. Operating Pressure	10 Bar
Flow Range	upto 28m³/h
Head Range	upto 65m

#### Model Nomenclature



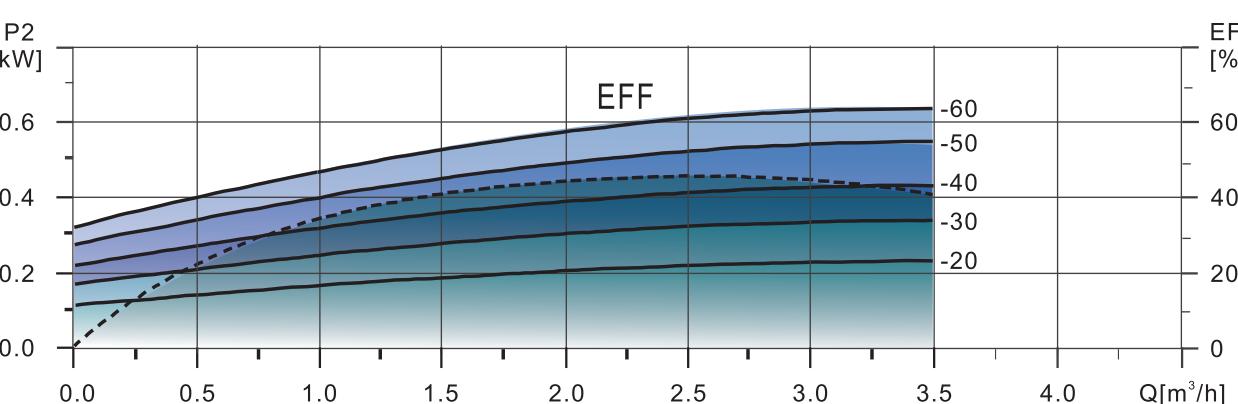
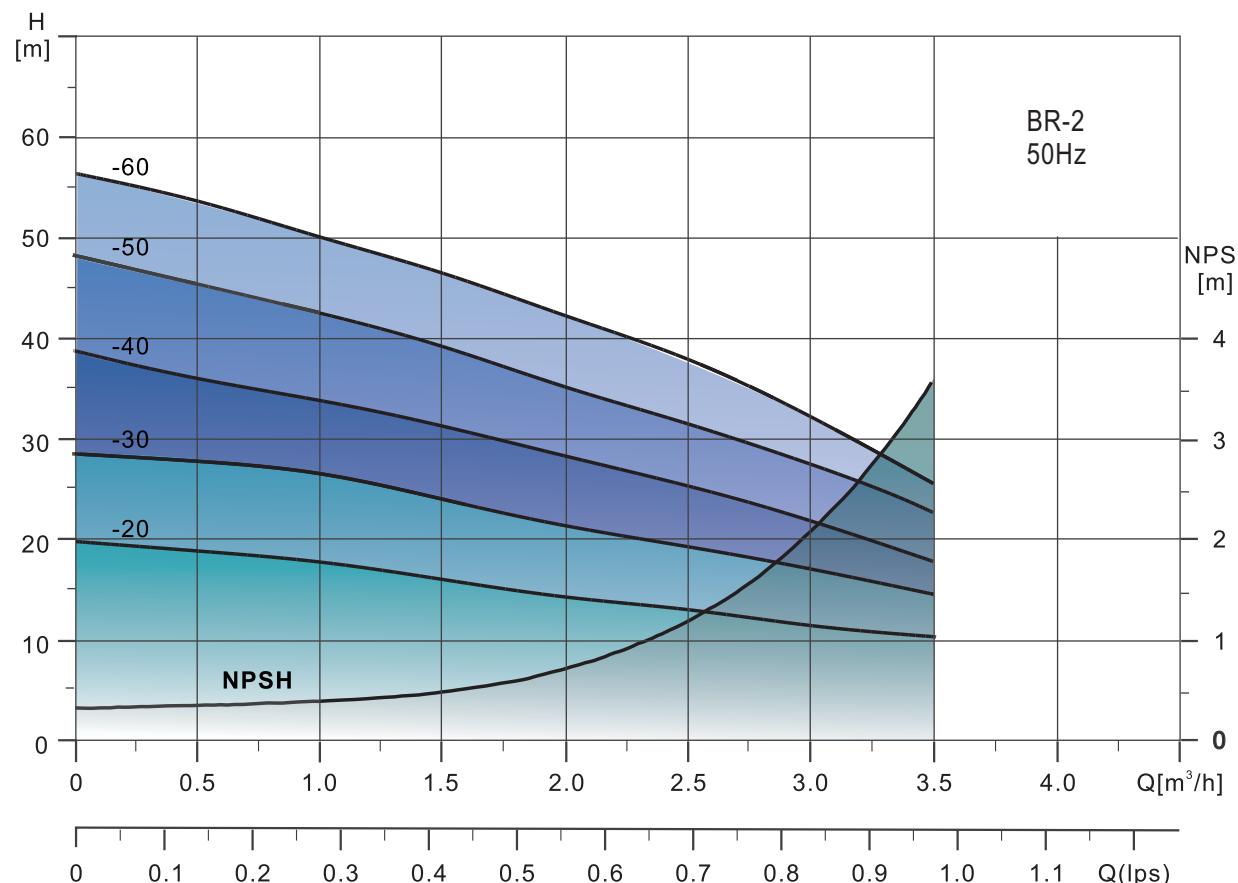
#### MATERIALS OF CONSTRUCTION

Part Name	BR	BRF	BRD	BRM
Pump Casing	Cast Iron	SS 304	SS 304	SS 304
Pump Head	Cast Iron	SS 304	-	SS 304
Impeller	SS 304	SS 304	SS 304	SS 304
Diffuser Casing	SS 304	SS 304	SS 304	SS 304
Pump Shaft	SS 304	SS 304	SS 304	SS 304
Bracket	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Mechanical Seal	Carbon / Ceramic	Carbon / Ceramic	Carbon / Ceramic	Carbon / Ceramic
Pump Base	M.S / C.I.	M.S / C.I.	M.S / C.I.	M.S / C.T.
Sleeve	SS 304	SS 304	SS 304	SS 304
Clamp Holder	SS 304	-	SS 304	-
Clamp Plate	SS 304	-	SS 304	-

## PERFORMANCE CURVES

**BR Series**

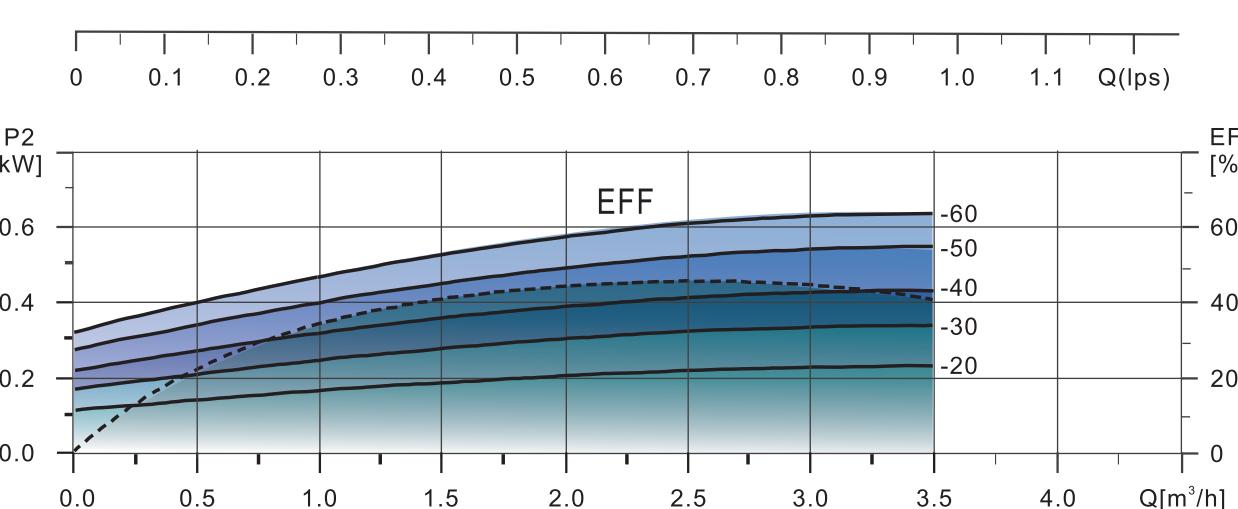
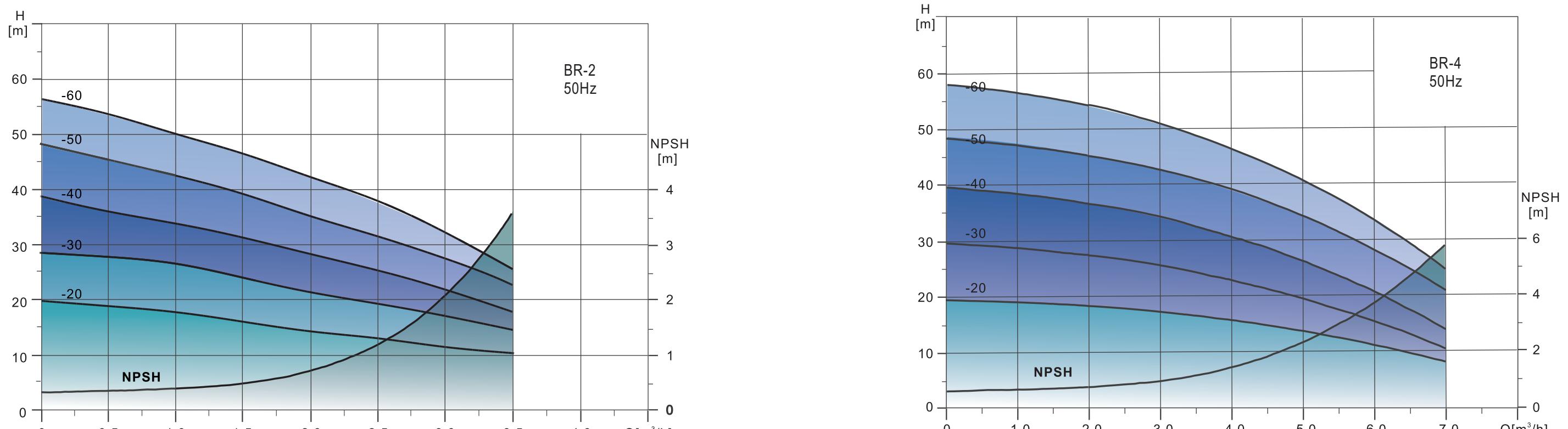
**ALGO**  
CONNECTING TECHNOLOGIES



**Performance Table**

Model		Motor $P_2$ (kW)	$Q$ (m³/h)	1.0	1.5	2.0	2.5	3.0	3.5	
Single Phase	Three Phase			H (m)						
BR-2/20S	BR-2/20T	0.37			18	16	14	13	11	10
BR-2/30S	BR-2/30T	0.37			27	24	21	20	17	14
BR-2/40S	BR-2/40T	0.55			35	32	28	26	23	17
BR-2/50S	BR-2/50T	0.55			43	40	35	33	28	22
BR-2/60S	BR-2/60T	0.75			50	48	42	38	32	25

## PERFORMANCE CURVES



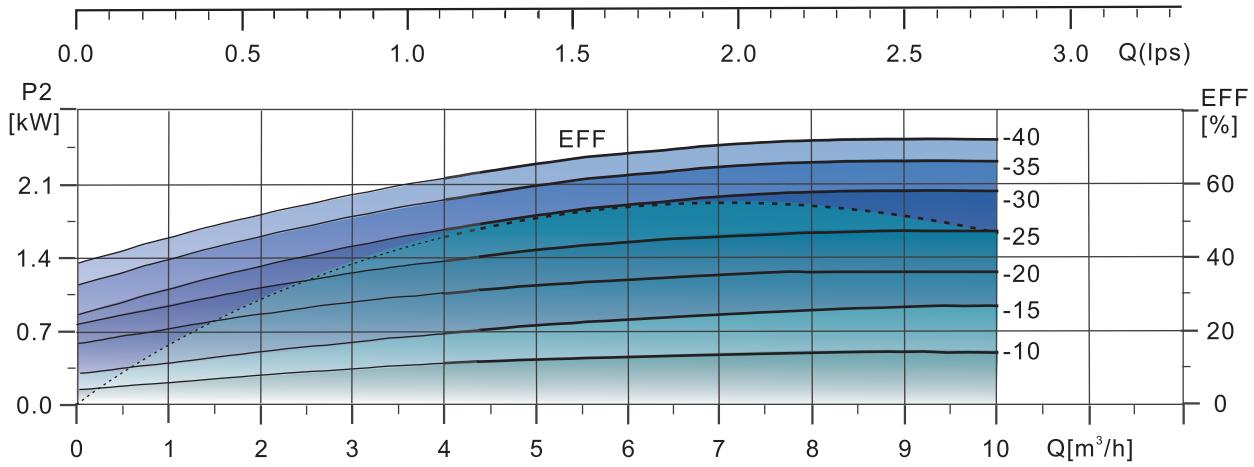
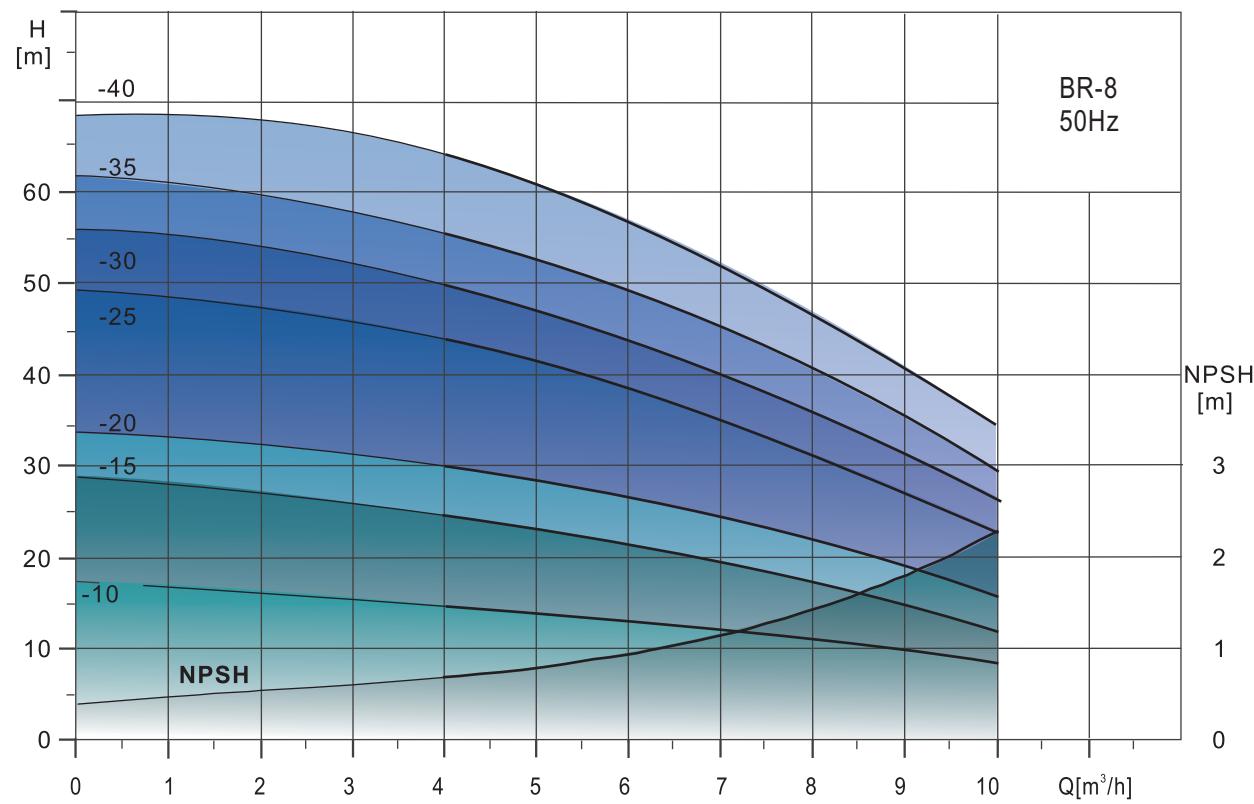
**Performance Table**

Model		Motor $P_2$ (kW)	$Q$ (m³/h)	2.0	3.0	4.0	5.0	6.0	7.0
Single Phase	Three Phase								
BR-4/20S	BR-4/20T	0.55	H (m)	18	16	15	13	10	7
BR-4/30S	BR-4/30T	0.75		27	25	22	19	15	10
BR-4/40S	BR-4/40T	0.75		36	33	30	26	20	13
BR-4/50S	BR-4/50T	1.0		44	41	38	32	26	20
BR-4/60S	BR-4/60T	1.1		53	50	45	40	33	24

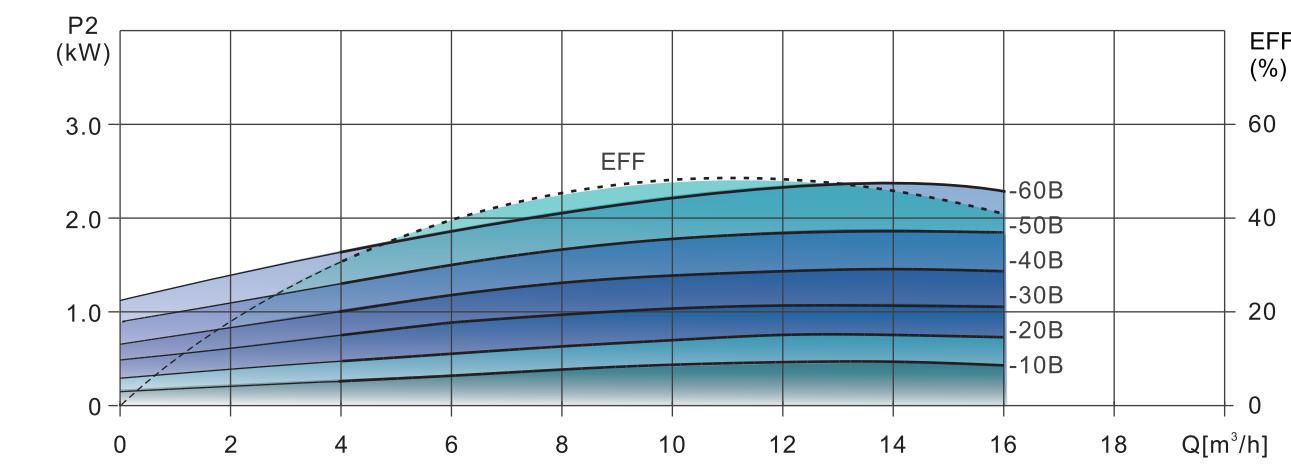
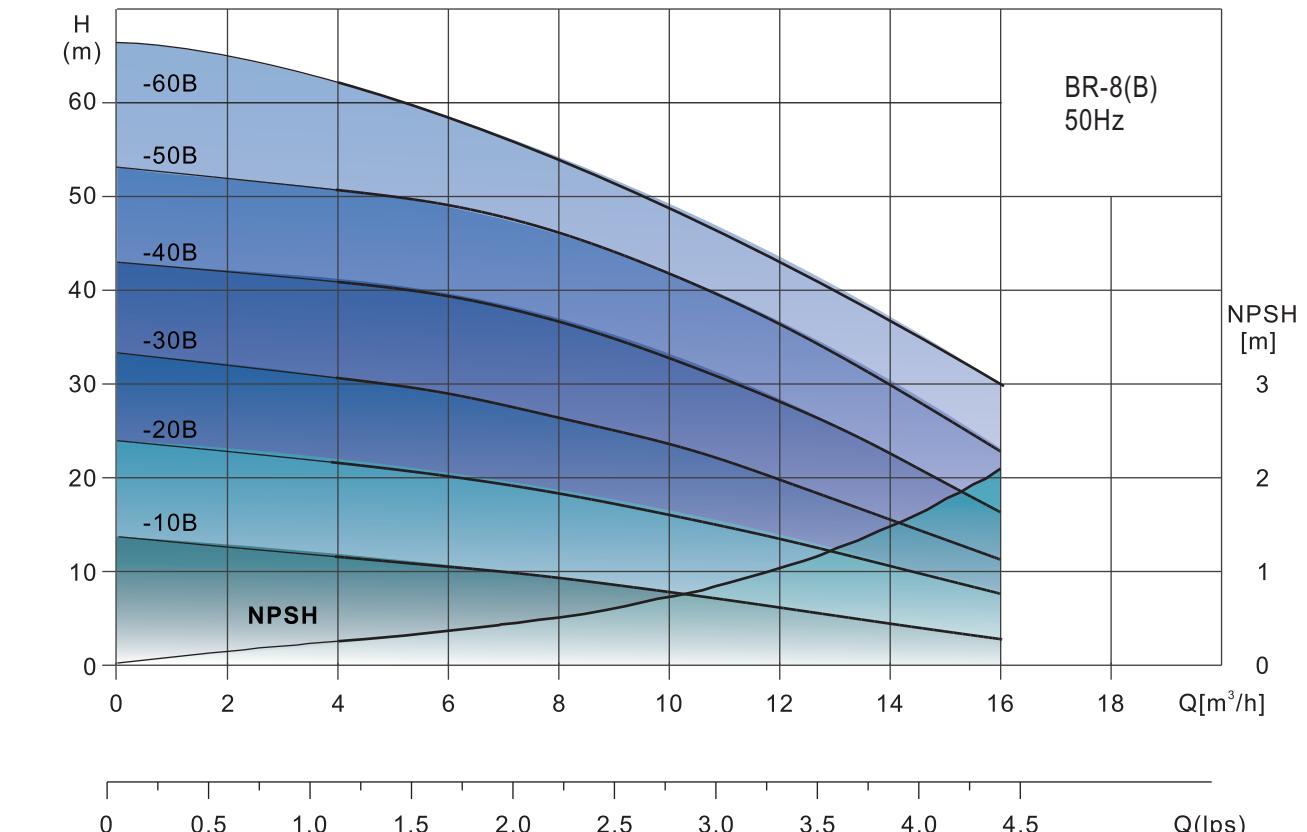
## PERFORMANCE CURVES

**BR Series**

**ALGO**  
CONNECTING TECHNOLOGIES



## PERFORMANCE CURVES



**Performance Table**

Model		Motor P <sub>2</sub> (kW)	Q (m <sup>3</sup> /h)	4.0	5.0	6.0	7.0	8.0	9.0	10
Single Phase	Three Phase			15	14	13	12.5	12	9	8
BR-8/10S	BR-8/10T	0.55	H (m)	25	23	22	21	20	14	12
BR-8/15S	BR-8/15T	0.75		32	29	27	25	24	21	17
BR-8/20S	BR-8/20T	1.0		43	40	38	34	27	25	20
BR-8/25S	BR-8/25T	1.5		50	46	44	40	36	30	26
BR-8/30S	BR-8/30T	1.85		56	51	48	44	43	35	28
BR-8/35S	BR-8/35T	2.2		65	57.5	57	50	48	42	34
BR-8/40S	BR-8/40T	2.2								

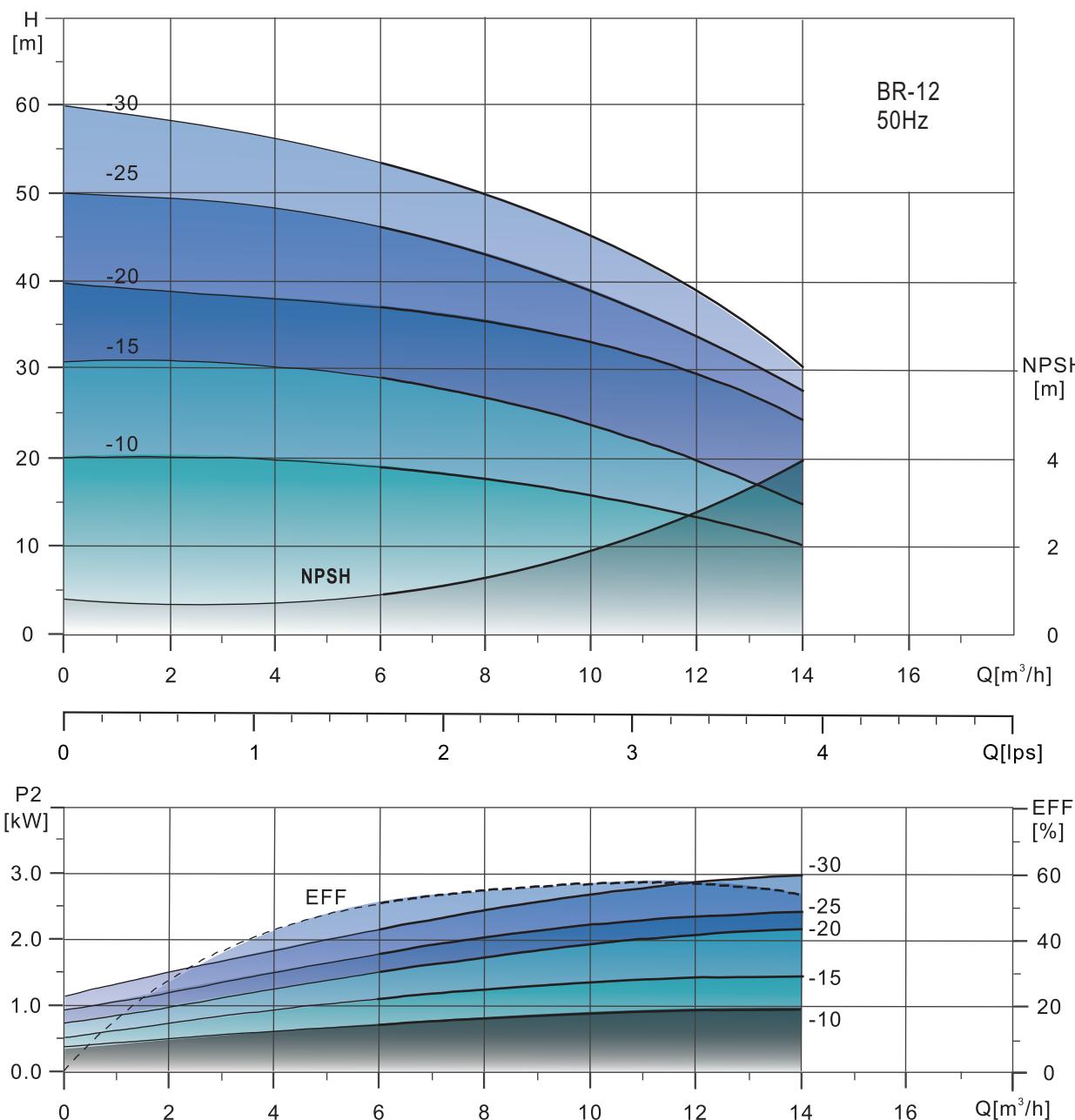
**Performance Table**

Model		Motor P <sub>2</sub> (kW)	Q (m <sup>3</sup> /h)	4.0	6.0	8.0	10	12	14	16
Single Phase	Three Phase			11	10	9	8	7	6	5
BR-8/10BS	BR-8/10BT	0.55		22	20	19	18	13	11	8
BR-8/20BS	BR-8/20BT	0.75		31	29	26	24	20	16	11
BR-8/30BS	BR-8/30BT	1.1		41	39	37	33	28	23	17
BR-8/40BS	BR-8/40BT	1.5		51	49	46.5	42	37	30	23
BR-8/50BS	BR-8/50BT	2.2		62	58	52	48	42	36	30
	BR-8/60BT	3.0								

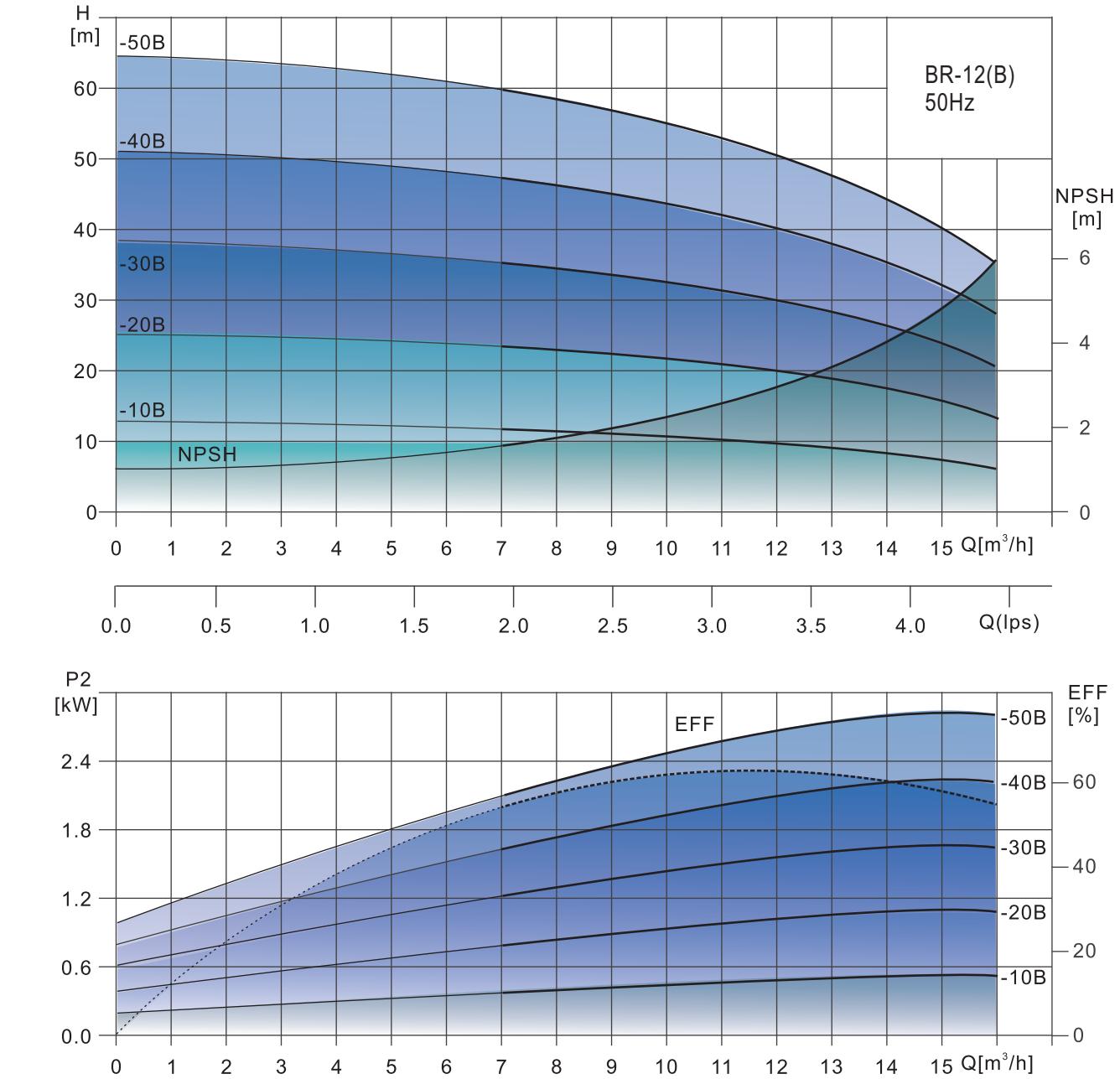
## PERFORMANCE CURVES

BR Series

**ALGO**  
CONNECTING TECHNOLOGIES



## PERFORMANCE CURVES



Performance Table

Model		Motor P <sub>2</sub> (kW)	Q (m <sup>3</sup> /h)	H (m)	6.0	7.0	8.0	9.0	10	11	12	13	14
Single Phase	Three Phase				19	18	17.5	16	15.5	14	13.5	12	10.5
BR-12/10S	BR-12/10T	1.0	H (m)	28	27	26	25	24	22	20	18	15	
BR-12/15S	BR-12/15T			38	36	35	32	31	29	28	24	20	
BR-12/20S	BR-12/20T			47	45	43	41.5	39	36	33.5	30.5	27	
BR-12/25S	BR-12/25T			53.5	52	50	47.5	45	42	39	35	30	
	BR-12/30T												

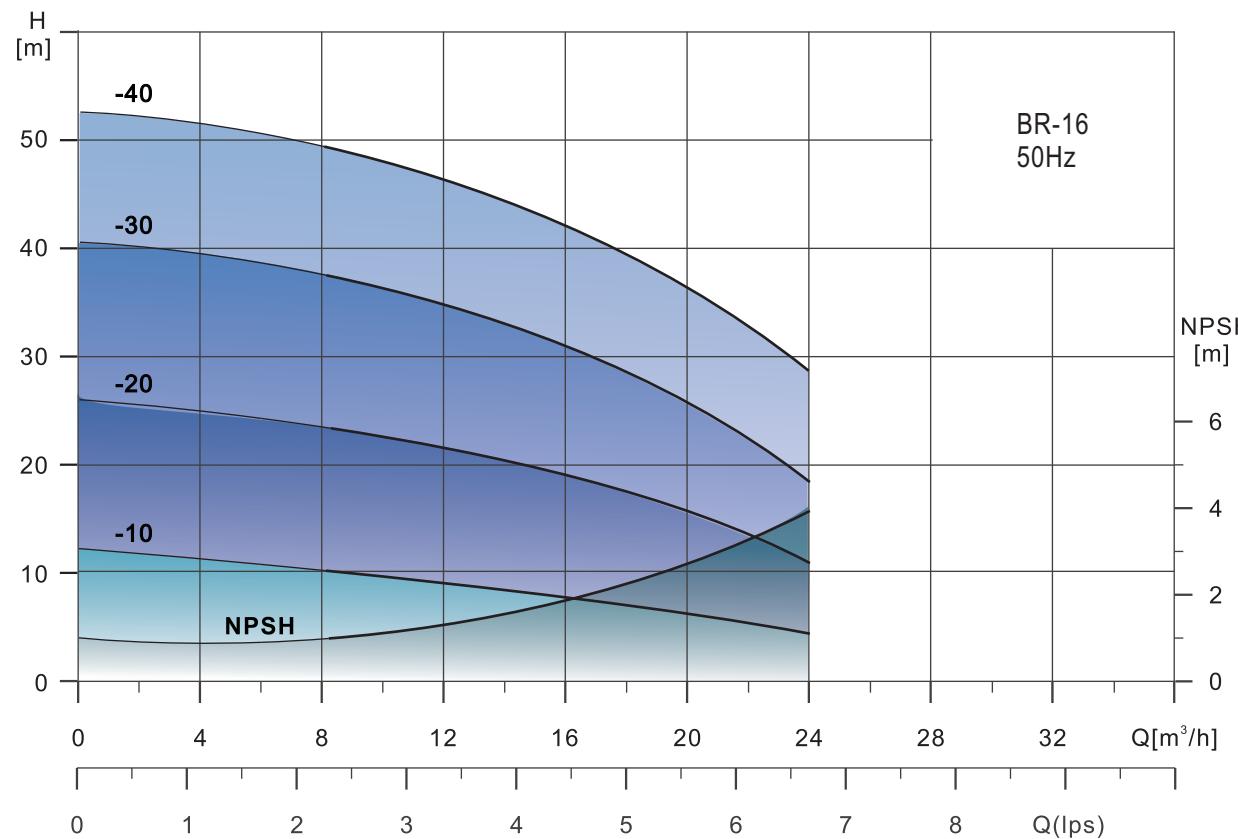
Performance Table

Model		Motor P <sub>2</sub> (kW)	Q (m <sup>3</sup> /h)	H (m)	7.0	8.0	9.0	10	11	12	13	14	15	16
Single Phase	Three Phase				12	11.5	11	10.5	10	9.5	9	8	7	6
BR-12/10BS	BR-12/10BT	0.75	H (m)	23	22.5	22	21	20.5	19.5	18.5	17	15.5	13	
BR-12/20BS	BR-12/20BT			35	34.5	33.5	32.5	31	29.5	28	26	23.5	20	
BR-12/30BS	BR-12/30BT			47	46	45	43.5	41.5	39.5	37.5	35	31.5	27.5	
BR-12/40BS	BR-12/40BT			60	58	56.5	55	52.5	50	47	44	40	35	
	BR-12/50BT													

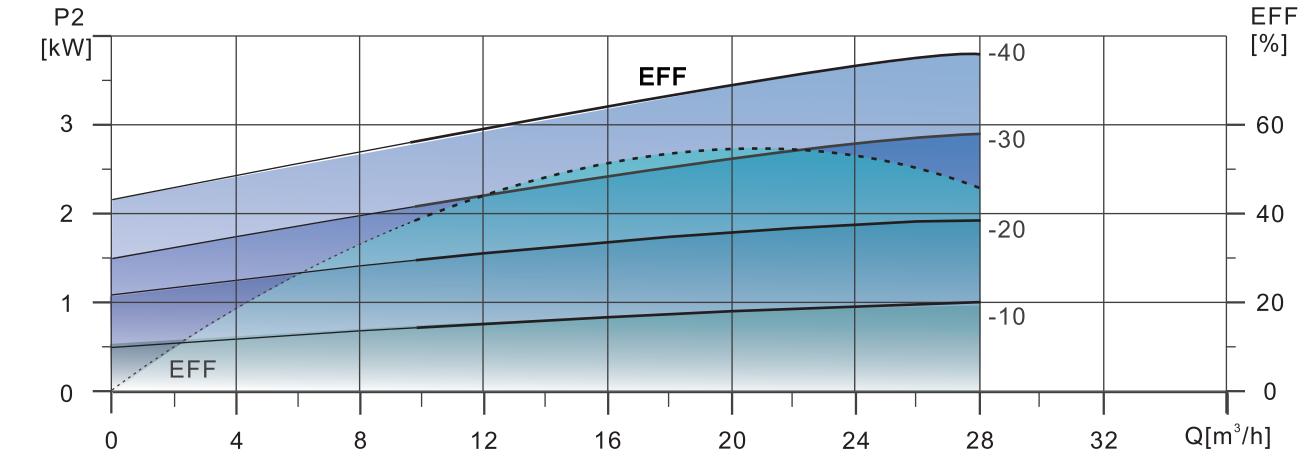
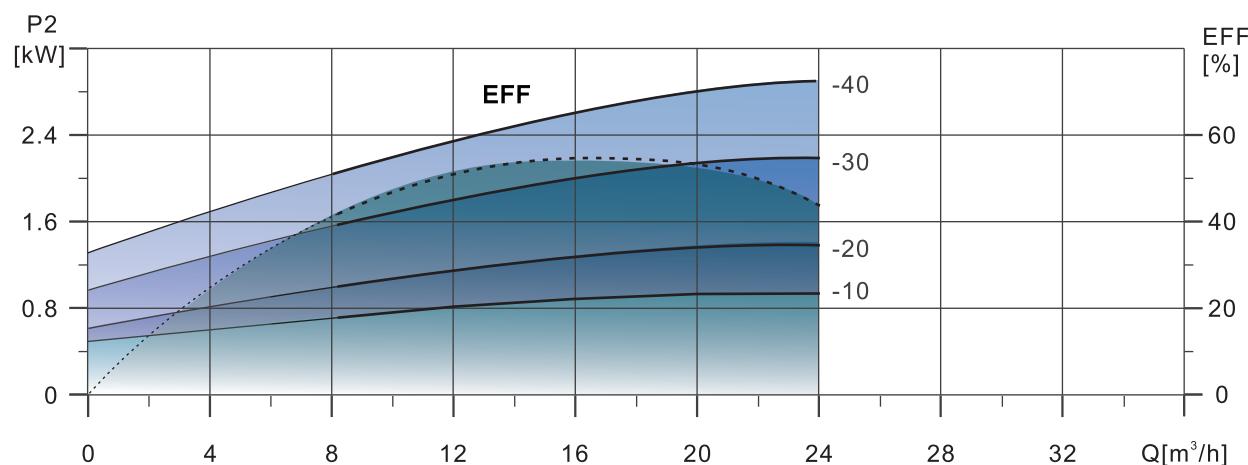
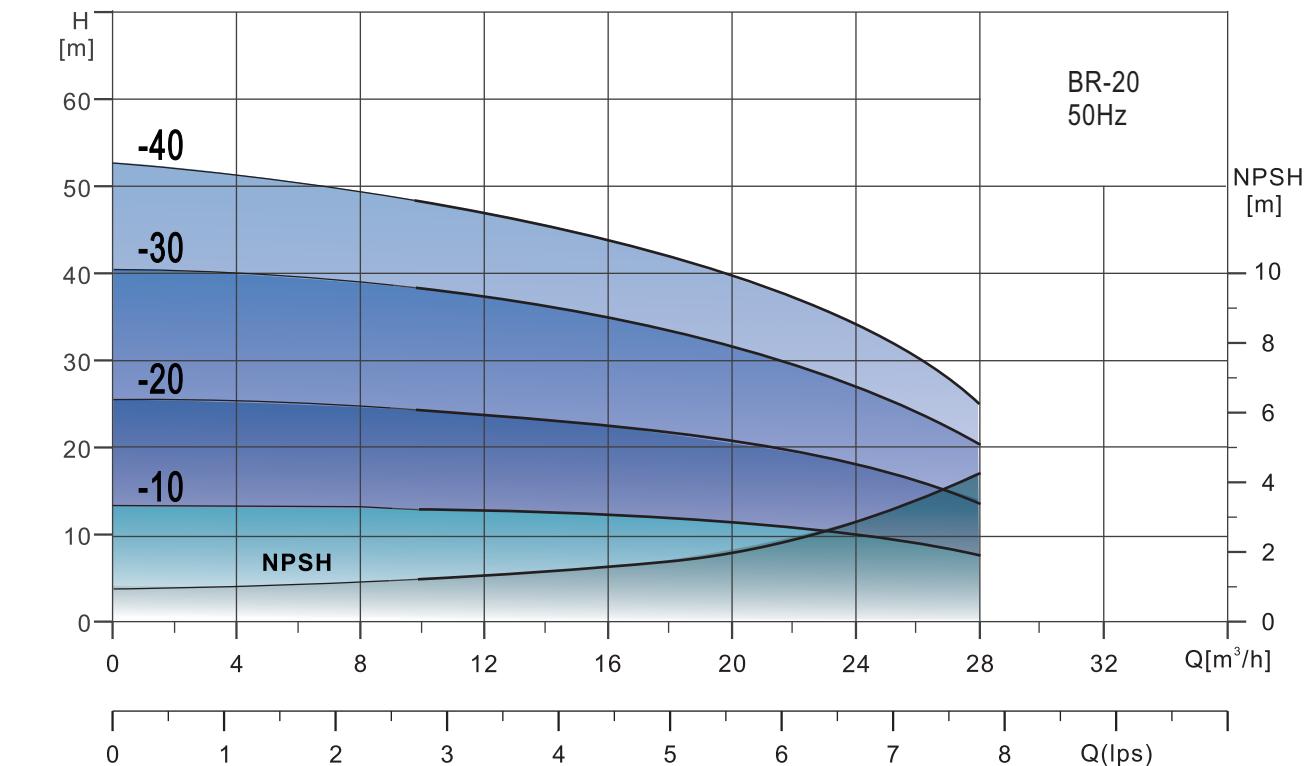
## PERFORMANCE CURVES

**BR Series**

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## PERFORMANCE CURVES



**Performance Table**

Model		Motor $P_2$ (kW)	$Q$ ( $m^3/h$ )	$H$ (m)	8	10	12	14	16	18	20	22	24
Single Phase	Three Phase				12	11.5	11	10.5	10	9	8	7	6
BR-16/10S	BR-16/10T	1.0	$H$ (m)	12	11.5	11	10.5	10	9	8	7	6	
BR-16/20S	BR-16/20T			24	23	22	21	20	19	16	14	12	
BR-16/30S	BR-16/30T			38	36	34	33	30	28	26	23	20	
	BR-16/40T			50	48	46	44	40	38	36	32	28	

**Performance Table**

Model		Motor $P_2$ (kW)	$Q$ ( $m^3/h$ )	10	12	14	16	18	20	22	24	26	28
Single Phase	Three Phase			13	12.5	12	11.5	11	10.5	10	9	8.5	7.5
BR-20/10S	BR-20/10T	1.0	$H$ (m)	25	24	23	22	21	20	18	16	14	12
BR-20/20S	BR-20/20T			39	38	36	35	33	31.5	30	27	24	21
	BR-20/30T			50	48	46	44	42	40	36	32	28	24
	BR-20/40T												

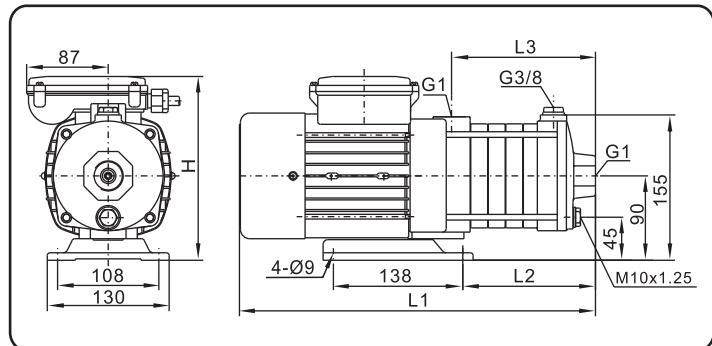
## DIMENSION & WEIGHT DETAILS

**BR**

## DIMENSION & WEIGHT DETAILS

**ALGO**  
CONNECTING TECHNOLOGIES

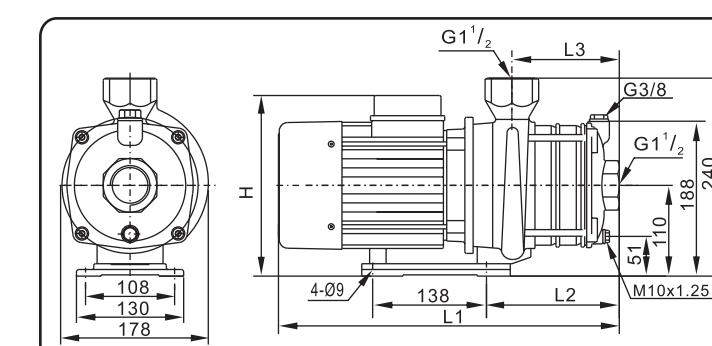
**BR-2**



Suc. x Del.: 1"x1"

Model	Dimensions(mm)						Weight (kg)		
	Single Phase			Three Phase					
	L1	L2	L3	H	L1	L2	L3	H	
BR-2/20S/T	326	70	104	198	326	70	104	194	8.5
BR-2/30S/T	344	88	122	198	344	88	122	194	9
BR-2/40S/T	362	106	140	198	362	106	140	194	9.5
BR-2/50S/T	380	124	158	198	380	124	158	194	10
BR-2/60S/T	398	142	176	198	398	142	176	194	10.5

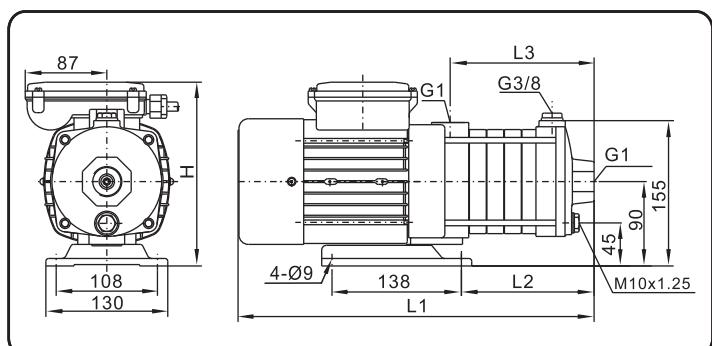
**BR-12**



Suc. x Del.: 1½"x1½"

Model	Dimensions(mm)						Weight (kg)		
	Single Phase			Three Phase					
	L1	L2	L3	H	L1	L2	L3	H	
BR-12/10S/T	328	73	78	235	328	73	78	214	15
BR-12/15S/T	395	103	108	244	395	103	108	222	18
BR-12/20S/T	436	103	108	230	395	103	108	222	20
BR-12/25S/T	468	133	138	230	426	133	138	222	24
BR-12/30S/T	-	-	-	-	485	133	138	230	27

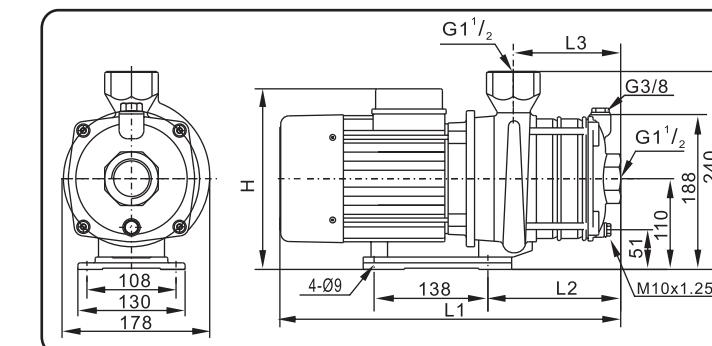
**BR-4**



Suc. x Del.: 1"x1"

Model	Dimensions(mm)						Weight (kg)		
	Single Phase			Three Phase					
	L1	L2	L3	H	L1	L2	L3	H	
BR-4/20S/T	335	79	113	198	335	79	113	194	9
BR-4/30S/T	362	106	140	198	362	106	140	194	10
BR-4/40S/T	389	133	167	198	389	133	167	194	10.5
BR-4/50S/T	416	160	194	198	416	160	194	194	11
BR-4/60S/T	443	187	221	198	443	187	221	194	12

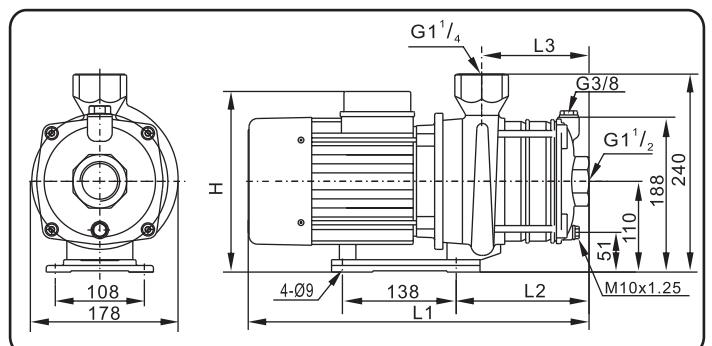
**BR-12B**



Suc. x Del.: 1½"x1½"

Model	Dimensions(mm)						Weight (kg)		
	Single Phase			Three Phase					
	L1	L2	L3	H	L1	L2	L3	H	
BR-12/10BS/T	330	73	78	237	330	73	78	216	13
BR-12/20BS/T	395	103	108	246	395	103	108	222	15
BR-12/30BS/T	467	133	138	227	425	133	138	222	26
BR-12/40BS/T	497	163	168	227	455	163	168	227	28
BR-12/50BT	-	-	-	-	544	193	198	227	31

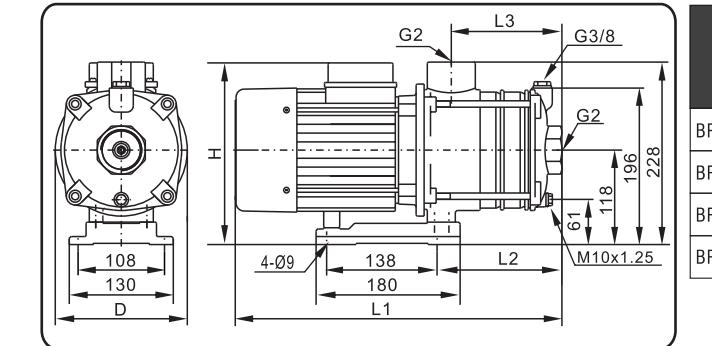
**BR-8**



Suc. x Del.: 1½"x1¼"

Model	Dimensions(mm)						Weight (kg)		
	Single Phase			Three Phase					
	L1	L2	L3	H	L1	L2	L3	H	
BR-8/10S/T	328	73	78	235	328	73	78	214	13
BR-8/15S/T	358	103	108	235	358	103	108	214	15
BR-8/20S/T	358	103	108	235	358	103	108	214	18
BR-8/25S/T	426	133	138	244	426	133	138	222	20
BR-8/30S/T	468	133	138	230	426	133	138	222	25
BR-8/35S/T	500	163	168	230	456	163	168	222	30
BR-8/40S/T	500	163	168	230	456	163	168	222	31

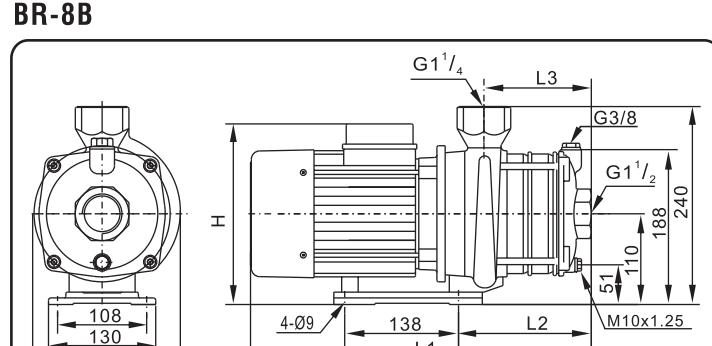
**BR-16**



Suc. x Del.: 2"x2"

Model	Dimensions(mm)						Weight (kg)			
	Single Phase			Three Phase						
	L1	L2	L3	H	L1	L2	L3	H		
BR-16/10S/T	325	106	81	244	165	325	106	81	218	165
BR-16/20S/T	406	151	126	254	165	406	151	126	228	165
BR-16/30S/T	493	196	171	235	176	493	196	171	235	176
BR-16/40T	-	-	-	-	555	241	216	235	176	30

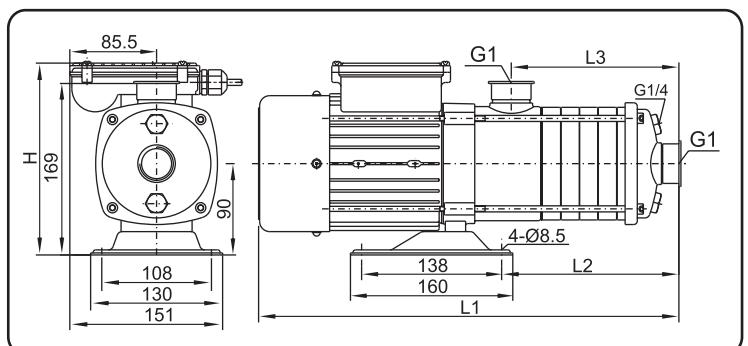
**BR-8B**



## DIMENSION & WEIGHT DETAILS

**BRF**

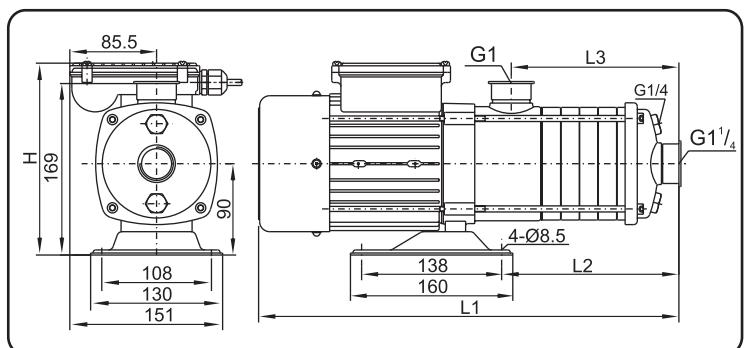
**BRF-2**



Suc. x Del.: 1" x 1"

Model	Dimensions(mm)								Weight (kg)	
	Single Phase				Three Phase					
	L1	L2	L3	H	L1	L2	L3	H		
BRF-2/20S/T	342	103	92	189	342	103	92	192	7.5	
BRF-2/30S/T	360	121	110	189	360	121	110	192	8	
BRF-2/40S/T	378	139	128	189	378	139	128	192	9	
BRF-2/50S/T	396	157	146	189	396	157	146	192	10	
BRF-2/60S/T	414	175	164	189	414	175	164	192	11	

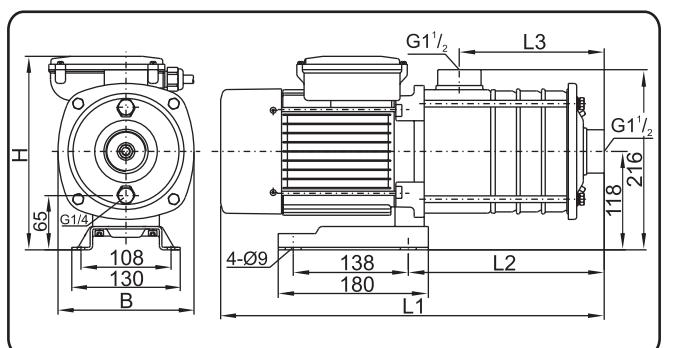
**BRF-4**



Suc. x Del.: 1 1/4" x 1"

Model	Dimensions(mm)								Weight (kg)	
	Single Phase				Three Phase					
	L1	L2	L3	H	L1	L2	L3	H		
BRF-4/20S/T	342	103	92	189	342	103	92	192	9	
BRF-4/30S/T	360	121	110	189	360	121	110	192	10	
BRF-4/40S/T	378	139	128	189	378	139	128	192	11	
BRF-4/50S/T	396	157	146	215	396	157	146	192	12	
BRF-4/60S/T	414	175	164	215	414	175	164	192	13	

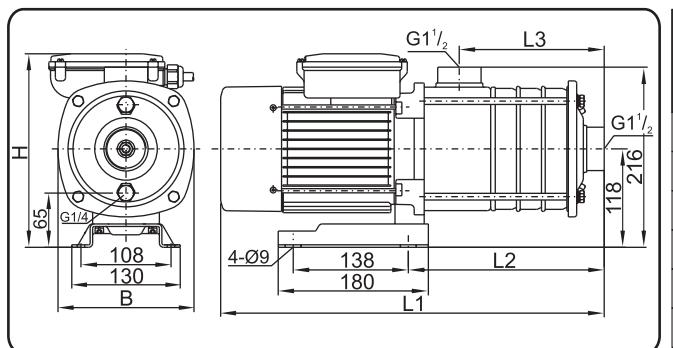
**BRF-8**



Suc. x Del.: 1 1/2" x 1 1/2"

Model	Dimensions(mm)								Weight (kg)	
	Single Phase				Three Phase					
	L1	L2	L3	H	B	L1	L2	L3		
BRF-8/10S/T	340	144	83	227	163	340	144	83	220	
BRF-8/15S/T	370	175	113	227	163	370	175	113	220	
BRF-8/20S/T	370	175	113	227	163	370	175	113	220	
BRF-8/25S/T	432	205	144	235	163	432	205	144	225	
BRF-8/30S/T	474	205	144	262	168	432	205	144	225	
BRF-8/35S/T	504	235	174	262	168	463	235	174	225	
BRF-8/40S/T	504	235	174	262	168	463	235	174	225	
									163	
									28	

**BRF-8B**



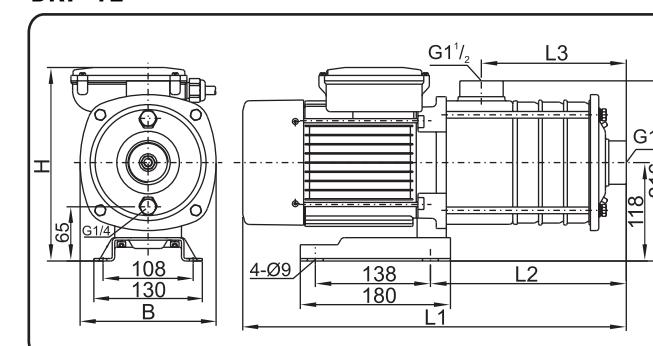
Suc. x Del.: 1 1/2" x 1 1/2"

Model	Dimensions(mm)								Weight (kg)	
	Single Phase				Three Phase					
	L1	L2	L3	H	B	L1	L2	L3		
BRF-8/10BS/T	340	144	83	227	163	340	144	83	220	
BRF-8/20BS/T	370	175	113	227	163	370	175	113	220	
BRF-8/30BS/T	432	205	144	235	163	432	205	144	225	
BRF-8/40BS/T	463	235	174	235	16	463	235	174	225	
BRF-8/50BS/T	534	265	204	262	168	493	265	204	225	
BRF-8/60BT	-	-	-	-	-	584	296	234	230	
									163	
									31	

## DIMENSION & WEIGHT DETAILS

**BRF**

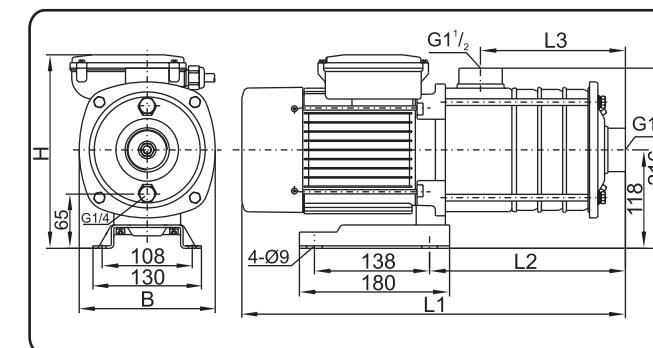
**BRF-12**



Suc. x Del.: 1 1/2" x 1 1/2"

Model	Dimensions(mm)								Weight (kg)	
	Single Phase				Three Phase					
	L1	L2	L3	H	B	L1	L2	L3		
BRF-12/10S/T	340	144	83	227	163	340	144	83	220	
BRF-12/15S/T	402	175	113	235	163	402	175	113	225	
BRF-12/20S/T	444	175	113	262	168	444	175	113	225	
BRF-12/25S/T	474	205	144	262	168	474	205	144	225	
BRF-12/30T	-	-	-	-	-	494	205	144	230	
									168	
									28	

**BRF-12B**



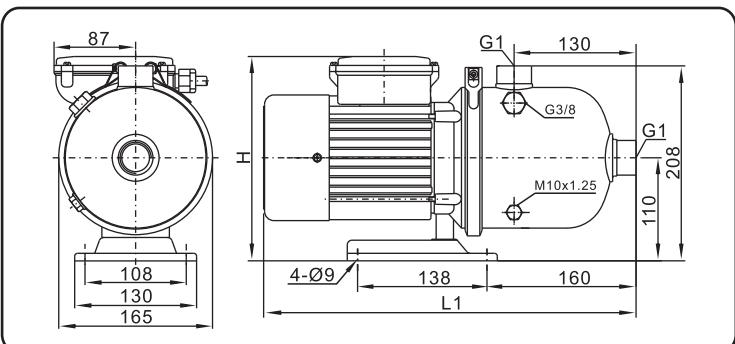
Suc. x Del.: 1 1/2" x 1 1/2"

Model	Dimensions(mm)								Weight (kg)
	Single Phase				Three Phase				

## DIMENSION & WEIGHT DETAILS

**BRD**

**BRD-2**

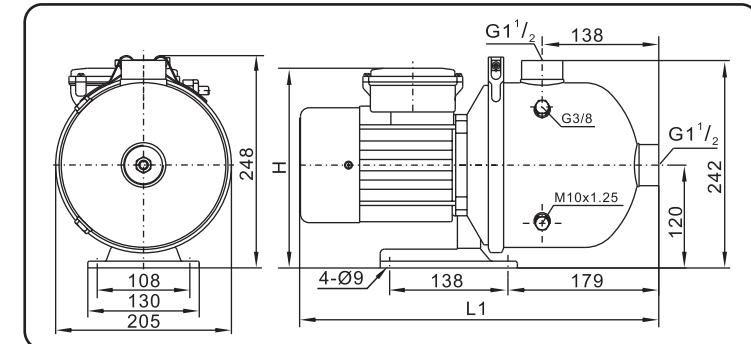


**Suc. x Del.: 1" x 1"**

Model	Dimensions(mm)				Weight (kg)	
	Single Phase		Three Phase			
	L1	H	L1	H		
BRD-2/20S/T	400	217	400	214	8	
BRD-2/30S/T	400	217	400	214	8.5	
BRD-2/40S/T	400	217	400	214	9.5	
BRD-2/50S/T	400	217	400	214	11	
BRD-2/60S/T	400	217	400	214	12	

## DIMENSION & WEIGHT DETAILS

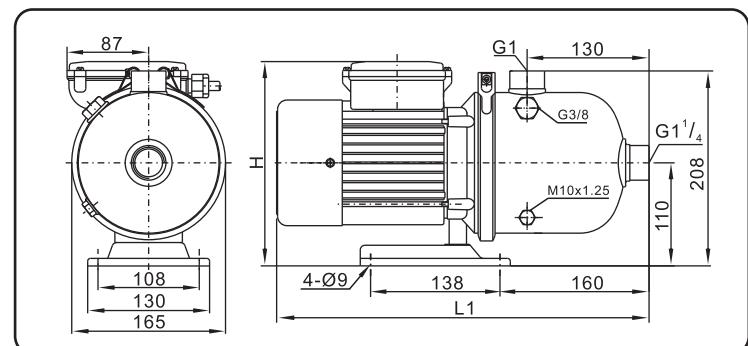
**BRD-12**



**Suc. x Del.: 1½" x 1½"**

Model	Dimensions(mm)				Weight (kg)	
	Single Phase		Three Phase			
	L1	H	L1	H		
BRD-12/10S/T	424	227	425	222	12	
BRD-12/15S/T	459	235	459	232	13.5	
BRD-12/20S/T	500	239	459	232	21	
BRD-12/25S/T	500	239	459	232	24	
BRD-12/30T	-	-	518	239	27	

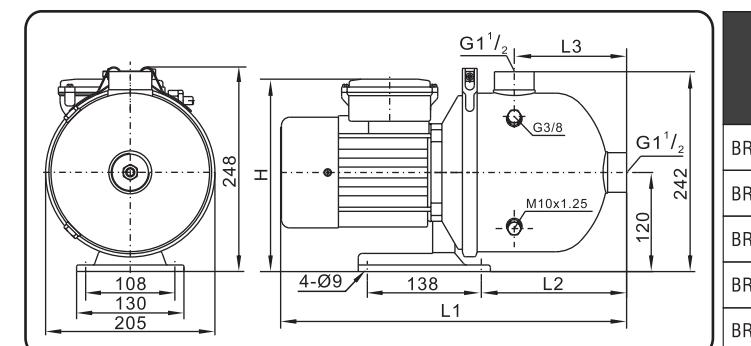
**BRD-4**



**Suc. x Del.: 1¼" x 1"**

Model	Dimensions(mm)				Weight (kg)	
	Single Phase		Three Phase			
	L1	H	L1	H		
BRD-4/20S/T	400	217	400	214	9.7	
BRD-4/30S/T	400	217	400	214	11	
BRD-4/40S/T	400	217	400	214	11.5	
BRD-4/50S/T	400	217	400	214	12.5	
BRD-4/60S/T	400	217	400	214	13.5	

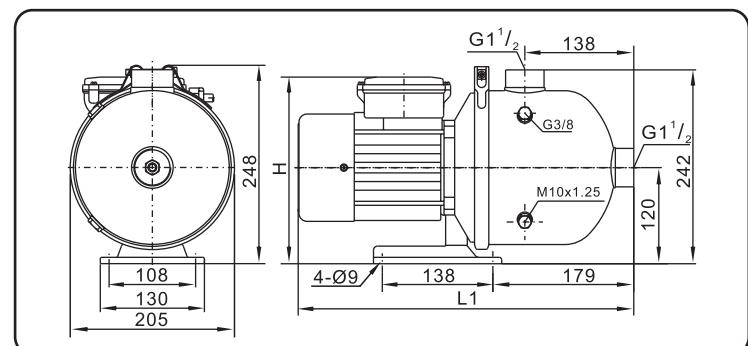
**BRD-12B**



**Suc. x Del.: 1½" x 1½"**

Model	Dimensions(mm)						Weight (kg)	
	Single Phase			Three Phase				
	L1	L2	L3	H	L1	L2		
BRD-12/10BS/T	425	180	139	227	425	180	139	224
BRD-12/20BS/T	458	180	139	235	455	180	139	232
BRD-12/30BS/T	500	180	139	239	455	180	139	232
BRD-12/40BS/T	500	180	139	239	455	180	139	232
BRD-12/50BT	-	-	-	-	583	246	205	239

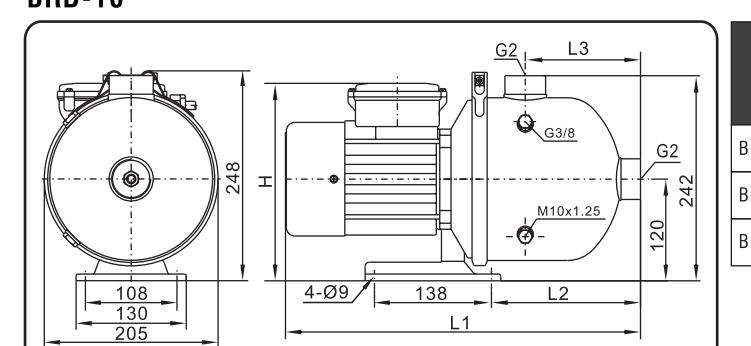
**BRD-8**



**Suc. x Del.: 1½" x 1½"**

Model	Dimensions(mm)				Weight (kg)	
	Single Phase		Three Phase			
	L1	H	L1	H		
BRD-8/10S/T	424	227	424	222	10.5	
BRD-8/15S/T	424	227	424	222	12	
BRD-8/20S/T	424	227	424	222	14	
BRD-8/25S/T	459	235	459	232	17	
BRD-8/30S/T	500	239	459	232	21.5	
BRD-8/35S/T	500	239	459	232	23	
BRD-8/40S/T	500	239	459	232	24	

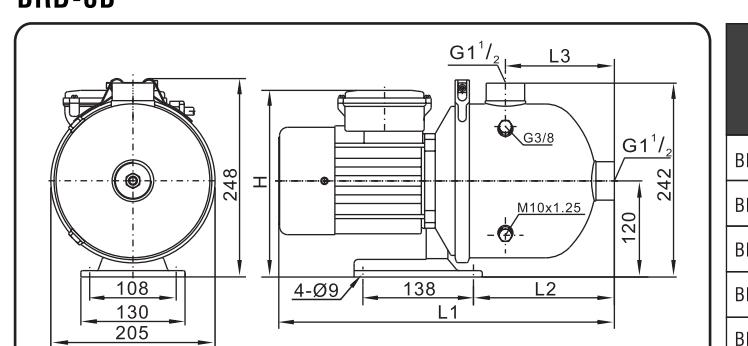
**BRD-16**



**Suc. x Del.: 2" x 2"**

Model	Dimensions(mm)						Weight (kg)	
	Single Phase			Three Phase				
	L1	L2	L3	H	L1	L2		
BRD-16/10S/T	425	175	136	245	425	175	136	224
BRD-16/20S/T	455	175	136	254	455	175	136	232
BRD-16/30S/T	520	201	162	239	480	201	162	232

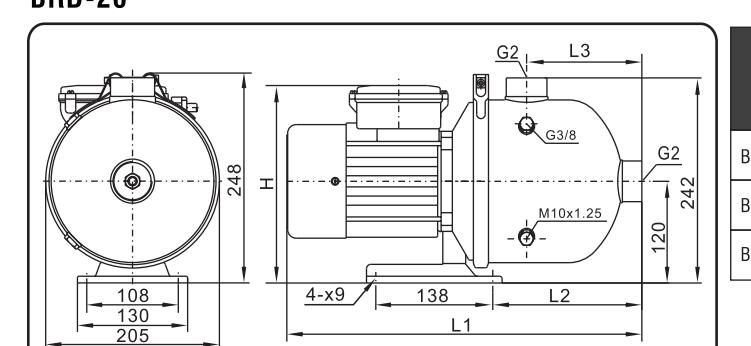
**BRD-8B**



**Suc. x Del.: 1½" x 1½"**

Model	Dimensions(mm)						Weight (kg)	
	Single Phase			Three Phase				
	L1	L2	L3	H	L1	L2		
BRD-8/10BS/T	425	180	139	227	425	180	139	224
BRD-8/20BS/T	425	180	139	227	425	180	139	224
BRD-8/30BS/T	455	180	139	235	455	180	139	232
BRD-8/40BS/T	455	180	139	235	455	180	139	232
BRD-8/50BS/T	566	246	205	239	521	246	205	232

**BRD-20**

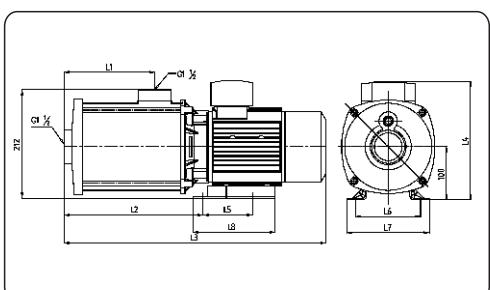


## DIMENSION & WEIGHT DETAILS

BRM

**ALGO**  
CONNECTING TECHNOLOGIES

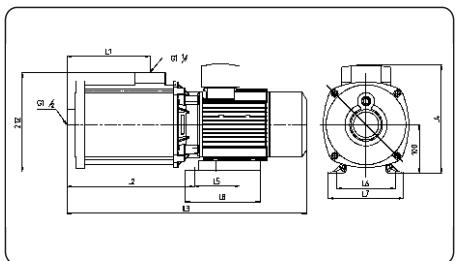
**BRM - 8**



Suc. x Del.: 1½" x 1½"

Model	Dimensions(mm)												Weight (kg)			
	Three phase						Single phase									
	L1	L2	L3	L4	L5	L6	L7	L8	L1	L2	L3	L4	L5	L6	L7	L8
BRM 8-10	102	200	432	225	96	126	160	160	102	200	432	225	96	126	160	160
BRM 8-20	102	200	432	225	96	126	160	160	102	200	432	225	96	126	160	160
BRM 8-30	102	200	432	225	96	126	160	160	102	200	432	225	96	126	160	160
BRM 8-40	132	230	462	225	96	126	160	160	132	230	505	245	140	160	195	170
BRM 8-60	162	260	492	225	96	126	160	160	162	260	535	245	140	160	195	170
BRM 8-70	192	290	565	245	140	160	195	170	192	290	565	245	140	160	195	170
																25.3

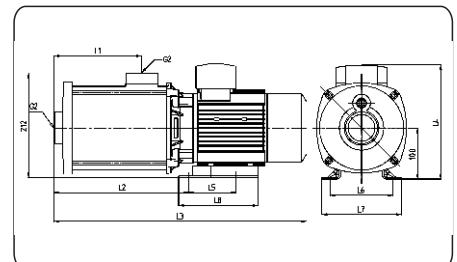
**BRM - 12**



Suc. x Del.: 1½" x 1½"

Model	Dimensions(mm)												Weight (kg)			
	Three phase						Single phase									
	L1	L2	L3	L4	L5	L6	L7	L8	L1	L2	L3	L4	L5	L6	L7	L8
BRM 12-10	102	200	432	225	96	126	160	160	102	200	432	225	96	126	160	160
BRM 12-20	102	200	432	225	96	126	160	160	102	200	432	225	96	126	160	160
BRM 12-30	102	200	432	225	96	126	160	160	102	200	475	245	140	160	195	170
BRM 12-40	132	230	505	245	140	160	195	170	132	230	505	245	140	160	195	170
BRM 12-50	162	260	530	245	140	160	195	170	162	260	535	245	140	160	195	170
																29

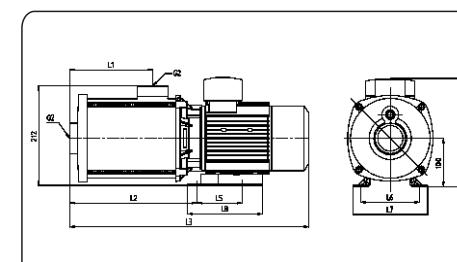
**BRM - 16**



Suc. x Del.: 1½" x 1½"

Model	Dimensions(mm)												Weight (kg)			
	Three phase						Single phase									
	L1	L2	L3	L4	L5	L6	L7	L8	L1	L2	L3	L4	L5	L6	L7	L8
BRM 16-10	87	185	416	225	96	126	160	160	87	185	416	225	96	126	160	160
BRM 16-20	87	185	416	225	96	126	160	160	87	185	460	245	140	160	195	170
BRM 16-30	132	230	505	245	140	160	195	170	132	230	505	245	140	160	195	170
BRM 16-40	177	275	550	245	140	160	195	170								28
																16.3

**BRM - 20**



Suc. x Del.: 2" x 2"

Model	Dimensions(mm)												Weight (kg)			
	Three phase						Single phase									
	L1	L2	L3	L4	L5	L6	L7	L8	L1	L2	L3	L4	L5	L6	L7	L8
BRM 20-10	87	185	416	225	96	126	160	160	87	185	416	225	96	126	160	160
BRM 20-20	87	185	416	225	96	126	160	160	87	185	460	245	140	160	195	170
BRM 20-30	132	230	505	245	140	160	195	170	132	230	505	245	140	160	195	170
BRM 20-40	177	275	550	245	140	160	195	170								28
																16.3

## XSTREAM SERIES

Automatic Pressure Booster System with VFD

**Xstream Series** is a compact, constant pressure booster pump system equipped with permanent magnet synchronous motor for water supply and pressure boosting in Residential and small commercial applications. The in-built VFD & Pressure transmitter monitors the required pressure level and regulate the pump speed to deliver constant pressure at all time. It also protects the system from dryrun, over loading unbalanced voltages, short circuit, etc.

**Xstream Series** Pressure booster system provides complete solution, which is precisely built-with Pump, Motor, Pressure tank, Controller, Pressure Sensor, Pressure Gauge & Check valve

### Features

High performance insensitive speed drive technology enhances variable speed response, constant flow & pressure and reduces torque chattering.

Higher Energy Efficiency

Lower Power Consumption, less than 1W standby power

Compact design

Easy to Install and operate

Maintains constant pressure

Adjustable output pressure settings

Digital display to monitor the pump speed, pressure, etc.

Protects from dry run, over load, unbalanced voltage, short circuit.



Model	Power	Voltage/Ph	Hmax	Rated Head	Rated Flow	Max Flow	Speed	Pump Size


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## EFF2 Motor

Power P <sub>2</sub> (kW)	Voltage (V)	Current I <sub>N</sub> (A)	Power Factor Cos φ	Efficiency (%)	I <sub>SP</sub> /I <sub>N</sub>
0.37	△ 220 / Y 380	△ 1.9 / Y 1.0	0.78	700	6.2
0.55	△ 220 / Y 380	△ 2.5 / Y 1.5	0.81	710	6.4
0.75	△ 220 / Y 380	△ 3.3 / Y 1.9	0.82	720	6.5
1.1	△ 220 / Y 380	△ 4.6 / Y 2.7	0.82	765	7.2
1.5	△ 220 / Y 380	△ 6.2 / Y 3.6	0.83	768	7.3
2.2	△ 220 / Y 380	△ 8.5 / Y 4.9	0.84	811	7.5
3.0	△ 220 / Y 380	△ 11.5 / Y 6.7	0.84	815	7.5
4.0	△ 380 / Y 660	△ 8.2 / Y 4.7	0.88	842	7.5
5.5	△ 380 / Y 660	△ 11.1 / Y 6.4	0.88	857	81
7.5	△ 380 / Y 660	△ 14.9 / Y 8.6	0.88	870	83
11	△ 380 / Y 660	△ 21.2 / Y 12.2	0.89	884	8.4
15	△ 380 / Y 660	△ 28.6 / Y 16.5	0.89	894	8.5
18.5	△ 380 / Y 660	△ 34.7 / Y 20.0	0.90	900	8.5
22	△ 380 / Y 660	△ 41.0 / Y 23.6	0.90	905	8.4
30	△ 380 / Y 660	△ 55.4 / Y 31.9	0.90	914	7.5
37	△ 380 / Y 660	△ 67.9 / Y 39.1	0.90	920	7.5
45	△ 380 / Y 660	△ 82.1 / Y 47.3	0.90	925	7.5

## le2 Motor

0.75	△ 220 / Y 380	△ 3.1 / Y 1.8	0.83	77.6	6.7
1.1	△ 220 / Y 380	△ 4.2 / Y 2.4	0.83	82.9	7.4
1.5	△ 220 / Y 380	△ 5.6 / Y 3.2	0.84	84.2	7.7
2.2	△ 220 / Y 380	△ 7.9 / Y 4.6	0.85	85.7	7.6
3.0	△ 220 / Y 380	△ 10.4 / Y 6.0	0.87	86.8	7.6
4.0	△ 380 / Y 660	△ 7.9 / Y 4.5	0.88	87.7	7.6
5.5	△ 380 / Y 660	△ 10.7 / Y 6.2	0.88	88.7	7.6
7.5	△ 380 / Y 660	△ 14.5 / Y 8.3	0.88	89.6	7.3
11	△ 380 / Y 660	△ 21.0 / Y 12.1	0.88	90.6	7.4
15	△ 380 / Y 660	△ 28.3 / Y 16.3	0.88	91.4	7.6
18.5	△ 380 / Y 660	△ 34.8 / Y 20.0	0.88	91.9	7.7
22	△ 380 / Y 660	△ 41.2 / Y 23.7	0.88	92.3	7.6
30	△ 380 / Y 660	△ 55.8 / Y 32.1	0.88	92.9	7.1
37	△ 380 / Y 660	△ 68.4 / Y 39.4	0.88	93.4	7.1
45	△ 380 / Y 660	△ 83.0 / Y 47.8	0.88	93.6	7.1
55	△ 380 / Y 660	△ 98.5 / Y 56.7	0.90	94.3	8.0
75	△ 380 / Y 660	△ 133.7 / Y 77.0	0.90	94.7	7.5
90	△ 380 / Y 660	△ 150.9 / Y 92.1	0.90	95.0	7.5
110	△ 380 / Y 660	△ 195.1 / Y 112.3	0.90	95.2	7.5