

INDUSTRIAL PUMPS



The image shows a complex industrial setup with multiple vertical pump columns, various pipes, valves, and a large electric motor in the foreground. The entire scene is overlaid with a teal color filter. The text "INDUSTRIAL PUMPING SOLUTIONS" is centered in the middle of the image.

INDUSTRIAL PUMPING SOLUTIONS



A RICH TRADITION OF ENGINEERING EXCELLENCE

Incorporated in 1946, KOEL is the flagship company of the Kirloskar group. We have four state-of-the-art manufacturing units in India that offer world-class products & service. The company has a sizable presence in international markets, with offices in Dubai, South Africa, Kenya & the United States with representatives in Indonesia and Nigeria.

KOEL also has a strong distribution network throughout the Middle East and Africa.

Today KOEL is an acknowledged leader in the manufacturing off highway diesel engines, agricultural pumpsets, power tillers and generating sets.

We're an international manufacturing conglomerate with offices and deliveries across multiple continents. With a vast product line that includes energy efficient compressors and various kinds of heavy-duty pumps, the Kirloskar group has built a worldwide reputation for reliability, professionalism and innovation.

INDUSTRIAL MONOBLOCK PUMP

TECHNICAL SPECIFICATIONS

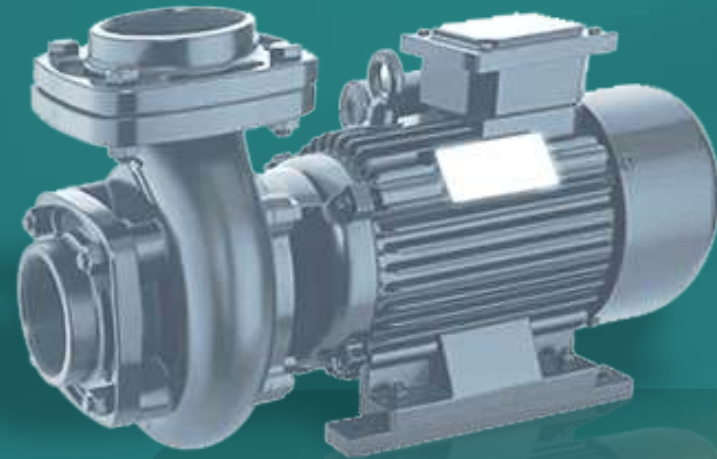
Head range	: Upto 34 meters
Discharge range	: Upto 14 LPS
Power ratings	: 0.5 to 2.0 HP
Voltage range	: 300 to 440 Volts
Phase	: Three phase
Insulation	: F Class
Protection	: IP 55
RPM	: 2900
Freq	: 50Hz

MATERIALS OF CONSTRUCTION

Impeller	: Cast iron
Delivery casing	: Cast iron
Motor body	: Cast iron
Pump shaft	: Hard chrome plated carbon steel
Sealing	: Mechanical seal

APPLICATIONS

- Fire fighting systems
- Cooling towers
- Air conditioning and refrigeration systems
- Irrigation in horticulture & agriculture
- Clear water handling at high pressure in industries



FEATURES

- High temperature mechanical seal 120 ° c
- F' class insulation. Better winding protection upto 150° c
- V.P.I. Treated winding (Vacuum pressure impregnation)
- All models are with cast iron impeller
- Wide voltage range from 300 to 440 v
- Hard chrome plated shaft for rust prevention



Industrial
Sector



Domestic
Sector



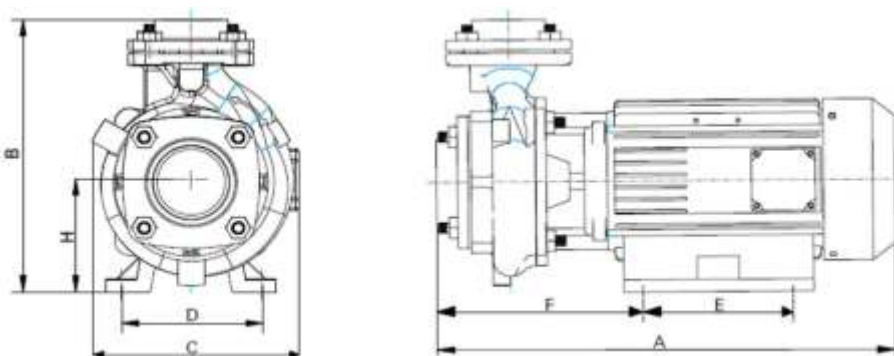
Civil
Sector

INDUSTRIAL MONOBLOCK PUMP

SMB 05-310 - SMB - Kirloskar Small Monoblock | 05 - 0.5 HP | 3 - 3 Phase | 10 - Head in meter

Sr. No.	Pump Model No.	KOEL Part No.	Power Rating	Pipe Size		Total Head in Meters																											
						3	6	8	9	10	12	14	15	16	18	20	21	22	24	25	26	28	30	32	34	38	40	42	50	54	58		
			HP	SUC	DEL	Discharge in Liters Per Second																											
1	SMB 0.5-310	IMB.5040.05.310.MS	0.5	50	40	-	5	4.5	-	3.8	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
2	SMB 1-312	IMB.5050.01.312.MS	1	50	50	-	7	6.8	-	6.4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
3	SMB 1-318	IMB.5040.01.318.MS	1	50	40	-	5.8	5.5	-	5.2	4.7	4.4	-	3.7	3.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
4	SMB 1-334	IMB.2525.01.334.MS	1	25	25	-	-	-	-	-	-	-	-	1.7	1.6	1.5	-	1.4	1.2	-	1	0.9	0.7	-	-	-	-	-	-	-			
5	SMB 1.5-316	IMB.6550.15.316.MS	1.5	65	50	-	-	8.3	-	7.5	6.5	5	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
6	SMB 1.5-322	IMB.5040.15.322.MS	1.5	50	40	-	-	6.5	-	6.2	5.7	5.1	-	4.6	4	3.2	-	1.9	-	-	-	-	-	-	-	-	-	-	-	-			
7	SMB 2-314	IMB.8080.02.314.MS	2	80	80	-	14.3	12.5	-	10.9	9	6.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
8	SMB 2-316	IMB.8065.02.316.MS	2	80	65	-	-	12.5	-	10.9	9	6.9	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
9	SMB 2-325	IMB.5040.02.325.MS	2	50	40	-	-	7.1	-	6.9	6.4	6.1	-	5.4	5	4.5	-	3.7	2.1	-	-	-	-	-	-	-	-	-	-	-			
10	SMB 2-335	IMB.5040.02.335.MS	2	50	40	-	-	-	-	5.8	5.7	5.6	-	5.6	5.5	5.4	-	5.2	4.6	-	4	3.3	2.5	-	-	-	-	-	-	-			
11	SMB 3C	IMB.2525.05.3.3C	0.5	25	25	-	0.88	-	0.79	0.77	0.71	0.64	0.61	-	0.52	0.46	0.42	0.40	0.34	0.3	0.28	0.2	-	-	-	-	-	-	-	-			
12	SMB 5C	IMB.2525.01.3.5C	1	25	25	-	-	-	-	0.81	0.81	0.8	-	-	0.78	0.77	-	0.75	0.73	-	0.7	0.66	0.61	0.55	0.5	0.42	0.38	0.34	0.14	-			

Overall Pump Dimensions (GAD)



KIRLOSKAR Centrifugal Monoblock Pump 3 Phase SMB Series - GA Drawing									
KOEL Model	Pump Code	HP	A	B	C	D	E	F	H
SMB 0.5-310	IMB.5040.05.310.MS	0.5	310	220	150	105	82	155	80
SMB 1.0-312	IMB.5050.01.312.MS	1.0	375	260	195	112	100	195	102
SMB 1.0-318	IMB.5040.01.318.MS	1.0	375	260	195	112	100	195	102
SMB 1.0-334	IMB.2525.01.334.MS	1.0	360	250	200	112	100	170	102
SMB 1.5-316	IMB.6550.15.316.MS	1.5	380	270	200	112	100	180	102
SMB 1.5-322	IMB.5040.15.322.MS	1.5	380	270	200	112	100	180	102
SMB 2.0-314	IMB.8080.02.314.MS	2.0	480	305	215	160	100	215	102
SMB 2.0-316	IMB.8065.02.316.MS	2.0	480	305	215	160	100	215	128
SMB 2.0-325	IMB.5040.02.325.MS	2.0	460	305	220	160	100	220	128
SMB 2.0-335	IMB.5040.02.335.MS	2.0	460	310	220	160	100	220	128

INDUSTRIAL MONOBLOCK PUMP

korloskar
Oil Engines

TECHNICAL SPECIFICATIONS

Head range : Upto 78 Mtrs.
Discharge range : Upto 2394 LPM
Power ratings : 3 to 20 HP
Voltage range : 350 to 440 Volts
Phase : Three Phase
Insulation : F class
Protection : IP 55
Rpm : 2900

Also Available in 60Hz

MATERIALS OF CONSTRUCTION

Impeller : Cast iron / Bronze/SS304
Delivery casing : Cast iron
Motor body : Cast iron
Pump shaft : Steel with SS304 sleeve steel
Sealing : Gland seal / Mechanical seal

APPLICATIONS

- Fire fighting systems
- Cooling towers
- Air conditioning and refrigeration systems
- Irrigation in horticulture & agriculture
- Clear water handling at high pressure in industries



FEATURES

- High efficiency - Capable of running in various conditions with minimum variation in the efficiency
- Wide voltage range
- User friendly design
- Overload protection
- Ease of spare replacement
- Premium quality bearing
- Dynamically balanced parts
- Minimum manual intervention



Industrial
Sector



Domestic
Sector



Civil
Sector

INDUSTRIAL MONOBLOCK PUMP

KMB 3-325M - KMB - Kirloskar Monoblock | 3 - HP | 3 - 3 Phase | 25 - Head in meter | M -Mech. Seal

IMB.6550.03.3.MS - IMB - Industrial Monoblock | 6550 - Pipe size SUC X DEL | 03 - HP | 3 - Phase | MS -Mech. Seal

Sr. No.	Pump Model No.	KOEL Part No.	Power Rating	Pipe Size		Total Head in Meters																			
						10	12	14	16	18	20	22	24	26	28	30	32	34	36	40	42	44	48	50	
			HP	SUC	DEL	Discharge in Liters Per Second																			
1	KMB 3-325M	IMB.6550.03.3.MS	3	65	50	11	9.7	9.4	9	8.2	7.2	6.5	5.5	3.5	-	-	-	-	-	-	-	-	-	-	
2	KMB 3-335M	IMB.5040.03.3.MS	3	50	40	-	-	-		8.3	6.7	6	6.4	5.8	5.5	4.6	3.5	-	-	-	-	-	-	-	
3	KMB 5-327M	IMB.8065.05.3.MS	5	80	65	-	-	17	17.5	16	14.3	13	11.1	7.5	5.8	-	-	-	-	-	-	-	-	-	
4	KMB 5-338M	IMB.6550.05.3.MS	5	65	50	-	-	-	-	10.4	10	9.1	8.7	8.2	7.8	7.3	6.4	6	4.8	-	-	-	-	-	
5	KMB 5-320M	IMB.1010.05.3.MS	5	100	100	24.8	22.9	21	19	14.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6	KMB 8-344M	IMB.6565.75.3.MS	7.5	65	65	-	-	-	-	17.2	17	16.8	16.6	16	15.1	14.9	14.6	13.9	12.4	10.2	8.3				
7	KMB 8-352M	IMB.6550.75.3.MS	7.5	65	50	-	-	12.5	12.2	12	11.6	11.2	11	10.8	10.5	10	9.2	8.8	8.8	8.7	8.7	8.3	6.6	4.3	
8	KMB 8-330M	IMB.8065.75.3.MS	7.5	80	65		-	-	-	-	22.4	18.8	18.6	17.9	16.5	14.6	-	-	-	-	-	-	-	-	
9	KMB 8-322M	IMB.1010.75.03.MS	7.5	100	100	28.9	27	25.3	23.5	22.1	21	17.8	15	-	-	-	-	-	-	-	-	-	-	-	
10	KMB 10-330M	IMB.1010.10.03.MS	10	100	100		32.9	31.5	30	28.6	27.5	26.3	25	22.8	21.1	19.7	15.4	11	-	-	-	-	-	-	
11	KMB 10-340M	IMB.8065.10.3.MS	10	80	65	23.3	22.7	22.2	22	21.6	21.3	21	20.7	20.3	19.8	19.6	19.4	19.2	19.1	18.1	15.8	13.4	-	-	
12	KMB 13-348M	IMB.8065.12.3.MS	12.5	80	65	-	23.2	22.5	20	24.5	21	20.7	20.5	20.3	20.2	20.1	20	19.9	19.8	19.6	18.8	18.7	17	-	
13	KMB 15-337M	IMB.1010.15.3.MS	15	100	100	-	-	-	38	37	36.5	36	35	34.5	30	31.3	26.5	24	20	13	12.3	-	-	-	
14	KMB 15-355M	IMB.8065.15.3.MS	15	80	65	-	27.6	27.4	27	26.8	26.6	26	25.8	25.7	25.6	25.5	25.2	24.9	24.7	24.5	22.4	21.5	17.2	14.6	
15	KMB 20-350M	IMB.1080.20.3.MS	20	100	80	-	-	-	-	39.9	39	38.1	37.5	36.7	36.1	36	35.6	34	32	28.2	26	23.7	18.2	10	
						52	56	60	64	68	72	74													
16	KMB 15-375M	IMB.6550.15.3.MS	15	65	50	12.2	12	11.9	11.5	10.5	8.3	3.9	-	-	-	-	-	-	-	-	-	-	-	-	
						48	50	52	54	58	63	70	72	74	78										
17	KMB 10-365M	IMB.6550.10.3.MS	10	65	50	11.3	11.2	11.0	10.9	10.8	10.5	8.8	-	-	-	-	-	-	-	-	-	-	-	-	
18	KMB 15-370M	IMB.6550.15.3.MSHD	15	65	50	17.7	17.5	17.4	17.4	17.3	17.0	12.7	-	-	-	-	-	-	-	-	-	-	-	-	
19	KMB 20-380M	IMB.6550.20.3.MS	20	65	50	-	-	-	16.7	15.8	15	14.5	14	13.5	9.2	-	-	-	-	-	-	-	-	-	

INDUSTRIAL MONOBLOCK PUMP



KMB 3-325G - KMB - Kirloskar Monoblock | 3 - HP | 3 - 3 Phase | 25 - Head in meter | G - Gland Seal

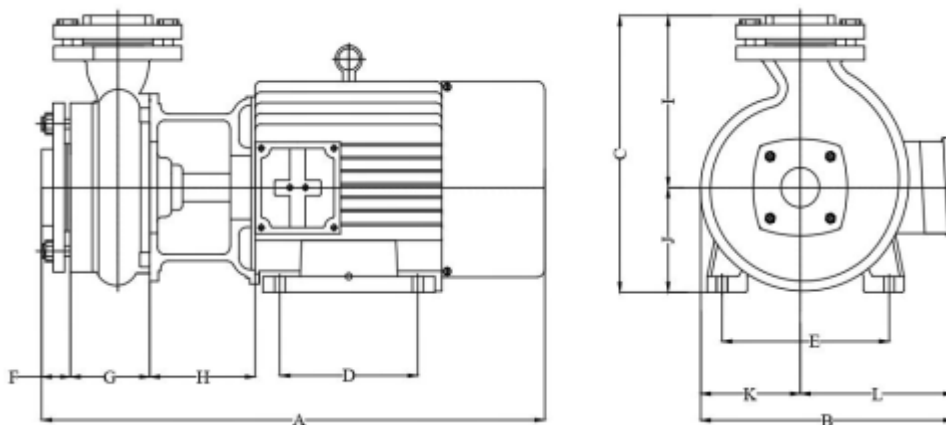
IMB.6550.03.3.GS - IMB - Industrial Monoblock | 6550 - Pipe size SUC X DEL | 03 - HP | 3 - Phase | GS - Gland Seal

Sr. No.	Pump Model No.	KOEL Part No	Power Rating	Pipe Size		Total Head in Meters																			
				10	12	14	16	18	20	22	24	26	28	30	32	34	36	40	42	44	48	50			
																							SUC	DEL	Discharge in Liters Per Second
1	KMB 3-325G	IMB.6550.03.3.GS	3	65	50	11.0	9.7	9.4	9.0	8.2	7.2	6.5	5.5	3.5	-	-	-	-	-	-	-	-	-	-	-
2	KMB 3-335G	IMB.5040.03.3.GS	3	50	40	-	-	-	-	8.3	6.7	6.0	6.4	5.8	5.5	4.6	3.5	-	-	-	-	-	-	-	-
3	KMB 5-327G	IMB.8065.05.3.GS	5	80	65	-	-	17.0	17.5	16.0	14.3	13.0	11.1	7.5	5.8	-	-	-	-	-	-	-	-	-	-
4	KMB 5-338G	IMB.6550.05.3.GS	5	65	50	-	-	-	-	10.4	10.0	9.1	8.7	8.2	7.8	7.3	6.4	6.0	4.8	-	-	-	-	-	-
5	KMB 5-320G	IMB.1010.05.3.GS	5	100	100	24.8	22.9	21.0	19.0	14.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	KMB 8-344G	IMB.6565.75.3.GS	7.5	65	65	-	-	-	-	17.2	17.0	16.8	16.6	16.0	15.1	14.9	14.6	13.9	12.4	10.2	8.3	-	-	-	-
7	KMB 8-352G	IMB.6550.75.3.GS	7.5	65	50	-	-	12.5	12.2	12.0	11.6	11.2	11.0	10.8	10.5	10.0	9.2	8.8	8.8	8.7	8.7	8.3	6.6	4.3	
8	KMB 8-330G	IMB.8065.75.3.GS	7.5	80	65	-	-	-	-	-	22.4	18.8	18.6	17.9	16.5	14.6	-	-	-	-	-	-	-	-	-
9	KMB 8-322G	IMB.1010.75.03.GS	7.5	100	100	28.9	27.0	25.3	23.5	22.1	21.0	17.8	15.0	-	-	-	-	-	-	-	-	-	-	-	-
10	KMB 10-330G	IMB.1010.10.03.GS	10	100	100	-	32.9	31.5	30.0	28.6	27.5	26.3	25.0	22.8	21.1	19.7	15.4	11.0	-	-	-	-	-	-	-
11	KMB 10-340G	IMB.8065.10.3.GS	10	80	65	23.3	22.7	22.2	22.0	21.6	21.3	21.0	20.7	20.3	19.8	19.6	19.4	19.2	19.1	18.1	15.8	13.4	-	-	-
12	KMB 13-348G	IMB.8065.12.3.GS	12.5	80	65	-	23.2	22.5	22.0	24.5	21.0	20.7	20.5	20.3	20.2	20.1	20.0	19.9	19.8	19.6	18.8	18.7	17.0	-	
13	KMB 15-337G	IMB.1010.15.3.GS	15	100	100	-	-	-	38.0	37.0	36.5	36.0	35.0	34.5	30.0	31.3	26.5	24.0	20.0	13.0	12.3	-	-	-	-
14	KMB 15-355G	IMB.8065.15.3.GS	15	80	65	-	27.6	27.4	27.0	26.8	26.6	26.0	25.8	25.7	25.6	25.5	25.2	24.9	24.7	24.5	22.4	21.5	17.2	14.6	
15	KMB 20-350G	IMB.1080.20.3.GS	20	100	80	-	-	-	-	39.9	39.0	38.1	37.5	36.7	36.1	36.0	35.6	34.0	32.0	28.2	26.0	23.7	18.2	10.0	
						52.0	56.0	60.0	64.0	68.0	72.0	74.0													
16	KMB 15-375G	IMB.6550.15.3.GS	15	65	50	12.2	12.0	11.9	11.5	10.5	8.3	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-
						48.0	50.0	52.0	54.0	58.0	63.0	70.0	72.0	74.0	78.0										
17	KMB 10-365G	IMB.6550.10.3.GS	10	65	50	11.3	11.2	11.0	10.9	10.8	10.5	8.8	-	-	-	-	-	-	-	-	-	-	-	-	-
18	KMB 15-370G	IMB.6550.15.3.GSHD	15	65	50	17.7	17.5	17.4	17.4	17.3	17.0	12.7	-	-	-	-	-	-	-	-	-	-	-	-	-
19	KMB 20-380G	IMB.6550.20.3.GS	20	65	50	-	-	-	16.7	15.8	15.0	14.5	14.0	13.5	9.2	-	-	-	-	-	-	-	-	-	-

INDUSTRIAL MONOBLOCK PUMP

OVERALL PUMP DIMENSIONS (GAD)

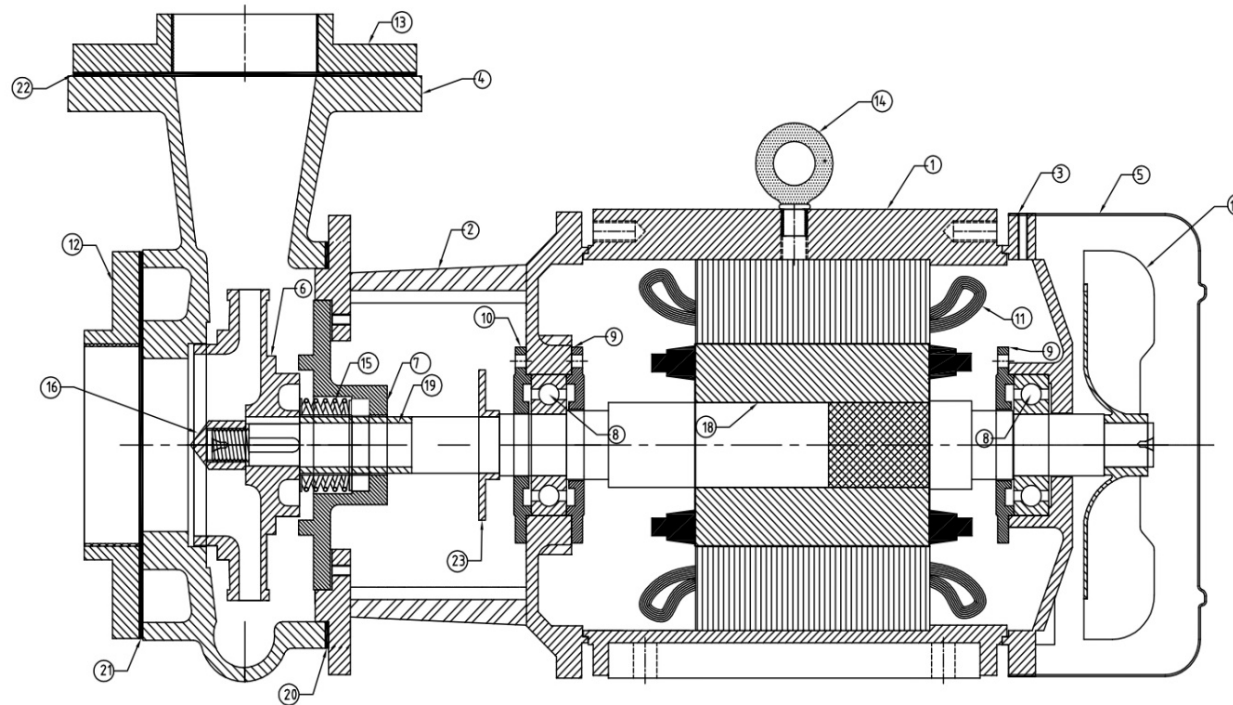
The overall dimensions of the pump is same for Gland / Mechanical Seal Pumps.



Sr. No.	KOEL Model No.	Power Rating		Pump size (mm)		A	B	C	D	E	F	G	H	I	J	K	L
		HP	kW	Suc.	Del.	Dimension are in mm											
	1	IMB.6550.03.3.GS/MS	3.0	2.2	65	50	525	250	290	132	167	35	80	125	182	108	106
2	IMB.5040.03.3.GS/MS	3.0	2.2	50	40	525	250	290	132	167	35	80	125	182	108	106	144
3	IMB.8065.05.3.GS/MS	5.0	3.7	80	65	550	260	350	152	172	30	103	125	229	121	104	156
4	IMB.6550.05.3.GS/MS	5.0	3.7	65	50	550	260	350	152	172	30	103	125	229	121	104	156
5	IMB.1010.05.3.GS/MS	5.0	3.7	100	100	550	260	350	152	172	30	103	125	229	121	104	156
6	IMB.6550.75.3.GS/MS	7.5	5.5	65	50	640	315	365	178	216	38	97	143	244	121	128	187
7	IMB.6565.75.3.GS/MS	7.5	5.5	65	65	640	315	365	178	216	38	97	143	244	121	128	187
8	IMB.8065.75.3.GS/MS	7.5	5.5	65	65	640	315	365	178	216	38	97	143	244	121	128	187
9	IMB.1010.75.3.GS/MS	7.5	5.5	65	65	640	315	365	178	216	38	97	143	244	121	128	187
10	IMB.1010.10.3.GS/MS	10	7.5	80	65	627	315	360	178	216	35	84	143	244	116	128	187
11	IMB.8065.10.3.GS/MS	10	7.5	80	65	627	315	360	178	216	35	84	143	244	116	128	187
12	IMB.8065.12.3.GS/MS	13	9.3	80	65	790	340	390	235	216	35	105	190	230	160	140	200
13	IMB.1010.15.3.GS/MS	15	11	100	100	790	340	390	235	216	35	105	190	230	160	140	200
14	IMB.8065.15.3.GS/MS	15	11	80	65	790	340	390	235	216	35	105	190	230	160	140	200
15	IMB.6550.15.3.GS/MS	15	11	65	50	790	340	390	235	216	35	105	190	230	160	140	200
16	IMB.1080.20.3.GS/MS	20	15	100	80	820	350	440	275	216	35	110	190	275	165	140	200
17	IMB.6550.10.3.GS/MS	10	7.5	65	50	665	335	395	205	230	34	95	158	236	156	136	216
18	IMB.6550.15.3.GSHD/MSHD	15	11	65	50	725	390	415	210	254	33	90	195	258	160	180	210
19	IMB.6550.20.3.GS/MS	20	15	65	50	785	390	425	254	254	33	90	195	258	160	180	210

The performance of the pump is same for Gland / Mechanical Seal Pumps.

IMB CROSS SECTION



PART DESCRIPTION			
1	BODY	9	BEARING COVER (INNER)
2	BRACKET	10	BEARING COVER (OUTER)
3	END SHIELD	11	WINDING
4	CHAMBER	12	SUCTION FLANGE
5	COWL - FAN COVER	13	DELIVERY FLANGE
6	IMPELLER	14	EYE-BOLT
7	STANDARD STUFFING	15	MECHANICAL SEAL
8	BEARING	16	DOME NUT
		17	FAN
		18	ROTOR
		19	S.S.SLEEVE
		20	CHAMBER RUBBER PACKING
		21	SUC.FL.RUBBER PACKING
		22	DEL.FL.RUBBER PACKING
		23	RUBBER REFLECTOR