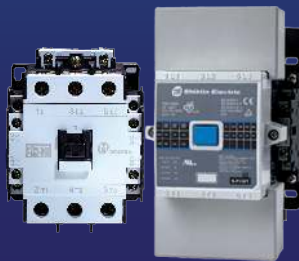


PRODUCT CATALOGUE

TOTAL SOLUTION INTEGRATOR



COMPANY PROFILE

Alo Bitan is one of the leading power and electrical engineering solution providers in Bangladesh, proudly serving the industry since 1988. With over three decades of experience and a team of highly skilled engineers and technical professionals, we deliver innovative, reliable, and cost-effective solutions for industrial, commercial, and infrastructure projects.

As an authorized distributor and solution partner of globally recognized brands, Alo Bitan offers genuine products backed by professional engineering support and after-sales service. Our portfolio includes renowned brands such as **KSB Pumps, ABB, Hitachi, Shihlin Electric, Osram, Mikro, Frako, Iskra, Rishabh, Panasonic, Selec, GIC** and many others.

Over the years, Alo Bitan has earned a strong reputation for quality, reliability, and technical excellence. Through our commitment to customer satisfaction, continuous innovation, and responsive service, we have successfully built long-term relationships with clients across various industries throughout Bangladesh.

We firmly believe that every satisfied customer creates another opportunity for growth. This philosophy, combined with our proactive and multidisciplinary approach, has enabled us to become a trusted partner for industries seeking dependable electrical and automation solutions.

With a well-maintained inventory, quality products, comprehensive technical support, and a dedicated workforce, Alo Bitan remains committed to delivering value-added services that help our customers improve efficiency, productivity, and operational performance.



Mr. Helal Uddin
Founder



Mr. Afsar Uddin
Director & CEO

KSB Product Features :

- High suction with self-priming
- Low power consumption
- High quality long life mechanical seal
- Aluminium die cast, Aluminium extruded & CI body
- Rotor: Dynamically balanced
- 99.9% Pure Copper winding
- In-built thermal overload protector (T.O.P.)

KSB User Applications :

- Water supply to residential buildings, bungalows, garages, flats
- Gardening, farm houses & building construction
- Booster application
- Hotels, hospitals and fountains
- Water circulation

Self Priming Pump - 2880 RPM

for small water supply, automatic water pressure boosting system in house.



Sr No	Pump Model	kW	HP	Phase	Suc/ DN. (in)	Total Head in Meters												Remark
						6	12	15	24	27	39	42	45	51	54	57	60	
1	AQUA SUNNY II	0.37	0.5	~1	1x1	LPM	32	23	18	6	-	-	-	-	-	-	-	**
2	AQUA SPORTY II	0.37	0.5	~1	1x1		40	28	25	14	9	-	-	-	-	-	-	**
3	AQUA HULK PLUS	1.10	1.5	~1	1x1		-	-	73	69	67	52	48	44	37	33	29	**

Self Priming Jet Pump

Multipurpose use in domestic, pressure boosting in duplex villa, commercial & Industrial uses.



Sr No	Pump Model	kW	HP	Phase	Suc/ DN. (in)	Total Head in Meters									Remark
						6	12	18	24	30	36	39	40	44	
1	PERIJET G II	0.37	0.5	~1	1x1	LPM	50	48	40	25	10	-	-	-	-
2	PERIJET G I	0.75	1.0	~1	1x1		-	-	55	48	31	12	5	-	**
3	PERIJET N II	0.37	0.5	~1	1x1		52	47	40	30	12	-	-	-	-
4	PERIJET N I	0.75	1.0	~1	1x1		-	56	55	40	25	10	-	-	-
5	PERIJET N 15	1.5	1.5	~1	1x1		-	-	-	48	40	29	32	18	8

Domestic Pressure Boosting system

for villas, Commercial buildings, Residential Buildings, Factories, Hotels Etc.



Sr No	Pump Model	kW	HP	Phase	Suc/ DN. (in)	Total Head in Meters									Remark
						3	6	9	12	15	18	21	24	26	
1	PERIBOOST Plus 05	0.37	0.5	~1	1x1	LPM	37	33	29	26	21	15	12	9	**
2	PERIBOOST Plus 10	0.75	1.0	~1	1x1		53	52	48	43	40	37	34	30	**



STRIDE



SMARTY



SUNNY



SPORTY



SIMBA



SUMO



HULK



CUB +



BURLY



STARK

Open well Special Submersible Pump for Reserve Tank

for Highrise buildings, domestic & Industrial applications.



Sr No	Pump Model	kW	HP	Phase	Suc/ DN. (in)	Total Head in Meters												Remark
						6	9	12	16	18	20	22	24	28	32	36	38	
1	OPAL 05 i	0.37	0.5	~1	1 x 1	LPM	156	144	130	90	60	17	-	-	-	-	-	
2	OPAL 10 i	0.75	1.0	~1	1.25 x 1		-	-	175	145	130	110	78	45	-	-	-	
3	OPAL 10CX i	0.75	1.0	~1	1.25 x 1		-	-	-	174	156	144	126	108	54	-	-	*
4	OPAL 15 i	1.5	1.5	~1	1.25 x 1		-	-	-	-	145	140	135	120	98	65	39	**

#All models with 10 meter cable

Open well Special Submersible Pump for Reserve Tank

for Highrise buildings, domestic & Industrial applications.



Sr No	Pump Model	kW	HP	Phase	Suc/ DN. (in)		Total Head in Meters						Remark
							10	14	16	18	22	28	
1	OPAL 20 i 2020	1.5	2	~1	2 x 2	LPM	528	444	390	336	180	-	*
2	OPAL 20 i 2020 HH	1.5	2	~1	2 x 2		312	288	270	252	204	90	
3	OPAL 20 i 2520	1.5	2	~1	2.5 x 2		510	408	348	264	-	-	*

#All models with 3 meter cable

Open well Special Submersible Pump for Reserve Tank

for Highrise buildings, domestic & Industrial applications.

VO Series : Three Phase Vertical Multistage Openwell Submersible Pumpset | Power supply : 415 V, 50 Hz, Three Phase



VO 80 Series														Remark
Pump Type / stages	kW	HP	Starting Method	Cable Size (mm ²)	Rated Current (A)	Q(m ³ /h)	0.0	4.5	6.0	9.0	12.0	15.0		
VO 080 / 4	2.20	3.0	DOL	1.5	9.0	Head (m)	0	75	100	150	200	250		*
VO 080 / 6	3.70	5.0	DOL	1.5	12.6		88	82	79	70	58	41		**
VO 080 / 7	4.50	6.0	DOL	2.5	15.5		132	123	118	105	87	62		
VO 080 / 9	5.50	7.5	S.D / DOL	1.5	19.0		154	144	138	123	102	72		*
							198	185	177	158	131	93		

Del. Size : 1.5 in

VO 100 Series														Remark
Pump Type / stages	kW	HP	Starting Method	Cable Size (mm ²)	Rated Current (A)	Q(m ³ /h)	0.0	4.5	7.5	9.0	10.5	13.5	16.5	
VO 100 / 3	2.20	3.0	DOL	1.5	9.0	Head (m)	0	75	125	150	175	225	275	**
VO 100 / 5	3.70	5.0	DOL	2.5	12.6		72	67	63	61	57	47	32	**
VO 100 / 6	3.70	5.0	DOL	2.5	15.5		120	112	105	102	95	78	53	
VO 100 / 7	5.50	7.5	S.D / DOL	1.5	19.0		144	134	125	122	114	93	63	
							168	146	147	142	133	109	74	

Del. Size : 1.5 in





Sewage Submersible Pump for Waste/Dirty water Transfer

for drainage in factories, construction site, residential buildings.

Sr No	Pump Model	kW	HP	Phase	Suc/ DN. (in)	Max. Solid Size (mm)		Head in Meters								Remark
								5	6	7	8	9	10	11	12	
1	KSTP 10*	0.75	1	~1	2	20	LPM	350	300	250	200	150	50	-	-	**
2	KSTP 20*	1.5	2	~1	2	20		-	-	-	450	400	350	250	150	**
3	KSTP 30*	2.2	3	~1	2	20		-	-	-	-	-	530	475	400	
4	KSTP 30 (3PH)	2.2	3	~3	2	20		-	-	-	-	-	530	475	400	



Heavy Duty & high flow submersible sewage Pump : AMAREX IN

for sewage & waste management, Dewatering, commercial, Industrial & Municipal Projects. | 415V, 50 Hz, Three Phase

Sr No	Pump Type	Motor Type	Motor Rating	Nominal Speed	Rated Current	Dia meter	Free Passage		Q (m³/he)														Remark
	Amarex IN	ULG	kW	HP	rpm	A	mm	mm	LPM	20	30	50	60	70	80	90	100	110	120	130	140		
1	F 100-220	034	1.9	2.5	1450	6.1	120	100		3.2	2.0	2.6	2.3	2.0	1.6	1.1							
2	F 100-220	034	2.6	3.5	1450	6.8	150	100		6.1	5.8	5.1	4.8	4.3	3.9	3.5	3.0	2.5	2.0				
3	F 100-220	044	3.7	5.0	1450	8.4	180	100		9.1	8.8	8.0	7.6	7.2	6.7	6.1	5.6	5.0	4.4	3.7	3.1		
4	F 100-220	044	3.7	5.0	1450	8.4	210	100		11.1	11.1	10.3	9.8	9.3	8.8	8.2							



Centrifugal Pump : AGRIBLOC

for Domestic & Residential buildings water supply.

Sr No	Pump Model	kW	HP	Phase	Pipe Size Suc x Del. (in)	LPM	Total Head in Meters												Remark		
							12	16	18	20	22	24	26	28	30	32	34	36		38	
High Head Series																					
1	AGRIBLOC 07-2525-B	0.55	0.75	~1	1 x 1			-	99	96	95	94	92	76	55	30	-	-	-	-	**
2	AGRIBLOC 15-3225-B	1.10	1.5	~1	1.25 x 1			-	-	-	144	138	132	126	120	109	97	82	63	43	**



Centrifugal Pump : AGRIBLOC

for Domestic, Residential buildings & Irrigation Field | Power Supply : 415V, 50 Hz, Three Phase

Sl. No.	Pump Model	kW	HP	Voltage Range	Suc x Del. (in)		Head in Meter								Remark
Medium Head Series							8	10	12	14	16	18	20	22	
01	AGRIBLOC 05-2525-B	0.37	0.5	160-260	1 X 1	LPM	97	96	94	92	68	36	-	-	
02	AGRIBLOC 05-2525-B HH	0.37	0.5	160-260	1 X 1		-	115	112	110	99	72	33	-	
03	AGRIBLOC 05-2525-BE	0.37	0.5	160-240	1 X 1		108	102	90	67	27	0	-	-	
04	AGRIBLOC 05-2525-B CI	0.37	0.5	160-260	1 X 1		97	96	94	92	68	36		-	
05	AGRIBLOC 05-2525-B CI-N	0.37	0.5	160-260	1 X 1		-	-	100	99	95	81	43	-	
06	AGRIBLOC 10-4040-B	0.75	1.0	160-260	1.5 X 1.5		260	250	230	220	175	80	-	-	
07	AGRIBLOC 15-5040-B	1.10	1.5	160-260	2 X 1.5		480	450	440	400	350	280	240	-	
08	AGRIBLOC 15-5050-B	1.10	1.5	160-260	2 X 2		530	500	470	410	350	290	230	-	
09	AGRIBLOC 20-5050-B	1.50	2.0	140-250	2 X 2		430	390	350	315	280	240	190	140	
10	AGRIBLOC 20-6550-B	1.50	2.0	140-250	2.5 X 2		630	580	550	520	440	360	240	-	

Standard Centrifugal Monobloc Pumset : AGRIBLOC

for residential, commercial & Highrise buildings, circulation & pressure boosting, Industrial uses etc. | Three Phase

Sl. No.	Model	kW	HP	Voltage Range	Suc x Del. (in)		Head in Meter								Remark
							6	8	9	10	12	14	16	18	
01	AGRIBLOC 20-5050-B HH	1.5	2.0	160-250	2 X 2		LPM			390	380	360	335	310	
02	AGRIBLOC 20-6550-B & BEL	1.5	2.0	1160-250	2.5 X 2						490	460	420	390	
03	AGRIBLOC 20-8080-B	1.5	2.0	160-250	3.15 X 3.15			810	740	705	672	480	417		
04	AGRIBLOC 30-100100-B	2.2	3.0	160-250	4 X 4			1100	1000	950	900	750	500		
05	AGRIBLOC 30-100100-BE	2.2	3.0	160-250	4 X 4			1000	850	800	750	630	333		



ULTRA + : Horizontal Three Phase Monobloc Pumpset | Power Supply : 415V, 50 Hz, Three Phase



Sl. No.	Pump Model	Motor Rating		Inch		Rated Current (A)	Total Head in Metres												Remark
		kW	HP	Suc.	Del.		7.0	8.0	16.0	18.0	20.0	24.0	32.0	36.0	40.0	44.0	48.0	50.0	
							Discharge in LPM												
01	ULTRA+ 320 3025	2.20	3.0	3.15	2.5	5.2			600	520	450								
02	ULTRA+ 526 3025	3.70	5.0	3.15	2.5	8.3	1070	1055	933	877	803	607							
03	ULTRA+ 538 2520	3.70	5.0	2.5	2	8.3					540	500	398	337	293				
04	ULTRA+ 550 2015	3.70	5.0	2	1.5	8.3							342	310	272	220	156	115	
05	ULTRA+ 822 4040	5.50	7.5	4	4	11.4		1800	1413	1307	1170	1030							
06	ULTRA+ 830 3025	5.50	7.5	3.15	2.5	11.4	1340	1308	1048	1032	1017	993	843						
07	ULTRA+ 842 2520	5.50	7.5	2.5	2	11.4				922	883	805	732	681	569	482			
08	ULTRA+ 850 2520	5.50	7.5	2.5	2	11.4			660	640	620	580	500	473	462	435	408	383	
09	ULTRA+ 1034 4040	7.50	10.0	4	4	15.5					1583	1450	870	667					

All above models are available with Gland packing and Mechanical seal

ULTRA + : Horizontal Three Phase Monobloc Pumpset | Power Supply : 415V, 50 Hz, Three Phase



Sl. No.	Pump Model	Motor Rating		Inch		Rated Current (A)	Total Head in Metres												Remark	
		kW	HP	Suc.	Del.		8.0	16.0	18.0	20.0	28.0	32.0	40.0	48.0	50.0	56.0	64.0	68.0		72.0
							Discharge in LPM													
01	ULTRA+ 1044 3025	7.50	10.0	3.15	2.5	15.6					1133	1110	1050							
02	ULTRA+ 1056 2520	7.50	10.0	2.5	2	15.6		802	775	757	685	649	577	505	484	432				
03	ULTRA+ 1336 4040	9.30	12.5	4	4	19.5			1850	1750	1395	1180	640							
04	ULTRA+ 1347 3025	9.30	12.5	3.15	2.5	19.5	1415	1318	1286	1254	1125	1115	1093	808						
05	ULTRA+ 1364 2520	9.30	12.5	2.5	2	19.5				886	815	780	723	638	630	612	491			
06	ULTRA+ 1542 4040	11.00	15.0	4	4	22.4			2362	2295	1982	1726	999							
07	ULTRA+ 1574 2520	11.00	15.0	2.5	2	22.4			905	900	862	843	805	767	762	750	725	630	455	

CORA 7C & 7D + UMAI 100 : 100 mm Borewell Submersible Pumpset

Minimum well size 4" for domestic, civil work, field irrigation & Industry uses.

Power supply : 400V, 50Hz
Starting method : DOL
Cable Length : 3 meters
Minimum Well Diameter : 100 mm
NRV Size 7C / 7D : 38 mm / 50 mm
Nominal speed : 2900 rpm
Nominal speed : 2900 rpm
Rotor : Copper



UMAI 100	kW	HP	Phase	Stages	Cable Size mm ²	Rated Current A	m ³ /hr.	0.0	2.0	4.0	6.0	8.0	10.0	Remark
							LPM	0	33	67	100	133	167	
0.75 / 22	0.75	1.0	~1	5	1.5	2.4	Head (m)	35	34	33	29	22	12	
1.1 / 22	1.10	1.5	~1	7	1.5	3.2		49	48	46	40	30	17	
1.5 / 22	1.50	2.0	~1	10	1.5	4.1		70	68	65	57	43	25	**
2.2 / 22	2.20	3.0	~1	13	2.5	5.8		91	89	85	74	56	32	
2.2 / 22	2.20	3.0	~1	15	2.5	5.8		105	102	98	86	65	37	**
3.0 / 22	3.00	4.0	~3	19	2.5	7.4		134	139	124	109	82	47	**
3.7 / 22	3.70	5.0	~3	22	2.5	9.2		155	150	144	126	95	54	
3.7 / 22	3.70	5.0	~3	25	2.5	9.2		176	170	163	143	108	62	**
4.5 / 22	4.50	6.0	~3	31	2.5	12.4		218	211	202	177	134	77	
5.5 / 22	5.50	7.5	~3	35	2.5	14.3		246	238	229	200	152	86	**

CORA 12C + UMAI 100 : 100 mm Borewell Submersible Pumpset

Power supply : 400V, 50Hz
Starting method : DOL
Cable Length : 3 meters
Minimum Well Diameter : 100 mm
NRV Size : 50 mm
Nominal speed : 2900 rpm
Nominal speed : 2900 rpm
Rotor : Copper



UMAI 100	kW	HP	Phase	Stages	Cable Size mm ²	Rated Current A	m ³ /hr.	0.0	6.0	8.0	10.0	12.0	14.0	Remark
							LPM	0	100	133	167	200	233	
2.2 / 22	2.20	3.0	~3	10	2.5	5.8	Head (m)	67	59	53	45	36	26	
3.0 / 22	3.00	4.0	~3	13	2.5	7.4		87	76	69	59	47	34	
3.7 / 22	3.70	5.0	~3	17	2.5	9.2		113	99	90	77	62	44	
4.5 / 22	4.50	6.0	~3	21	2.5	12.4		140	123	111	95	76	55	
5.5 / 22	5.50	7.5	~3	27	2.5	14.3		180	158	142	122	98	70	

Power supply : 400V, 50Hz
Starting method : DOL
Cable Length : 3 meters
Minimum Well Diameter : 100 mm
NRV Size : 65 mm
Nominal speed : 2900 rpm
Rotor : Copper



CORA 18C + UMAI 100 : 100 mm Borewell Submersible Pumpset

UMAI 100	kW	HP	Phase	Stages	Cable Size mm ²	Rated Current A	m ³ /hr.	0.0	9.0	12.0	16.0	20.0	24.0	Remark
								LPM	0	150	200	267	333	
1.5 / 22	1.50	2.0	~1	5	1.5	4.1	Head (m)	30	25	22	19	14	8	
2.2 / 22	2.20	3.0	~3	8	2.5	5.8		48	40	36	30	22	13	
5.5 / 22	5.50	7.5	~3	20	2.5	14.3		119	99	90	75	56	32	**

CORA 18AA + UMN (S) 100 : 100 mm Borewell Submersible Pumpset

UMAI 100	kW	HP	Phase	Stages	Cable Size mm ²	Rated Current A	m ³ /hr.	0.0	10.8	13.5	16.2	18.0	19.2	Remark
								LPM	0	180	225	270	300	
	1.50	2.0	~1	6	2.0	13.3	Head (m)	30	21	18	15	12	9	
	2.20	3.0	~1	9	2.5	17.1		45	32	27	23	18	14	**

Power supply : 210 V, 50 Hz
Starting method : CSCR
Cable Length : 3 meters
Outer Diameter : 97 mm
NRV Size : 65 mm
Nominal speed : 2850 rpm



CORA 2C + XUMA DX (S) 100 / UMA (S) 100 : 100 mm Borewell Submersible Pumpset

Motor Type		Motor Rating			Pump Type	Cable Size	Rated Current A		Discharge							Remark
XUMA DX (S)	UMA (S)	kW	HP	Phase	CORA 2C / stages	mm ²	XUMA DX (S)	UMA (S)	m ³ /hr.	0.0	1.1	1.6	2.0	2.5	2.8	
									LPM	0	18	27	33	42	47	
10 / 23	10 / 22	2.2	3.0	~1	38	2.5	17.5	17.5	Head (m)	228	207	181	154	114	83	
10 / 23	10 / 22	2.2	3.0	~1	45	2.5	17.5	17.5		270	245	214	182	135	98	

Power supply : 220V, 50Hz
Starting method : DOL
Cable Length : 3 meters
Minimum Well Diameter : 100 mm
NRV Size : 32 mm
Nominal speed : 2900 rpm
Rotor : Copper



Borewell Submersible Pumpset : CORA 4C + XUMA DX (S) 100

Minimum well size 4" for domestic, civil work, field irrigation & Industry uses.

Motor Type	Motor Rating			Pump Type & Stage	Cable Size	Rated Current	m³/hr.	Discharge						Remark
XUMA DX (S) 100	kW	HP	Phase	CORA 4C	mm²	Amp	LPM	0.0	2.0	3.0	4.0	5.0	6.0	
								0	33	50	67	83	100	
4 / 22	0.75	1.0	~1	9	1.5	7.3	Head (m)	54	53	50	45	36	27	**
6 / 22	1.10	1.5	~1	12	1.5	10.0		73	71	67	60	50	37	**
7 / 22	1.50	2.0	~1	15	2.5	13.0		91	89	83	74	62	47	

Starting method : CSCR
Cable Length : 3 meters
Outer Diameter : 96 mm
NRV Size : 38 mm
Nominal speed : 2900 rpm
Models available for 220 V, 50 Hz, supply
1 m³/hr = 1000 LPH
1 m³/hr = 16.67 LPM
1 m = 3.29 ft.



UPC 151+ UMAI 125 (Radial flow) : 125 mm Borewell Submersible Pumpset

Minimum well size 5" for commercial & Industrial purpose uses.

Motor Type	Motor Rating			Pump Type	Cable Size	Starting Method	Rated Current	Discharge									Remark
	UMAI 125	kW	HP	Phase	UPC 151 / Stage	mm ²	Amp	m ³ /hr.	0.0	5.7	7.5	9.3	11.1	12.9	14.7	16.5	
								LPM	0	95	125	155	185	215	245	275	
2.2 / 22	2.20	3.0	~1	6	1.5	DOL	6.5	Head (m)	62	56	53	49	44	38	31	23	
3.0 / 22	3.00	4.0	~3	8	1.5	DOL	8.5		82	74	70	66	59	51	42	30	
3.7 / 22	3.70	5.0	~3	10	2.5	DOL	10		103	93	88	82	74	64	52	38	
4.5 / 22	4.50	6.0	~3	12	4.0	DOL	12		123	112	106	98	89	77	62	46	
5.5 / 22	5.50	7.5	~3	14	6.0	DOL	14.5		144	130	123	115	104	90	73	53	
5.5 / 22	5.50	7.5	~3	15	6.0	DOL	14.5		154	140	132	123	111	96	78	57	
7.5 / 22	7.50	10.0	~3	20	4.0	S.D	19.5		205	186	176	164	148	125	104	76	**

Power supply : 380V, 50Hz,
Phase : 1-3 Ph
Cable Length : 3 meters
Minimum Well Diameter : 125 mm
NRV Size : 50 mm
Nominal speed : 2900 rpm
Rotor : Copper



UPC 171+ UMAI 125 (Radial flow) : 125 mm Borewell Submersible Pumpset

Minimum well size 5" for commercial & Industrial purpose uses.

Motor Type	Motor Rating			Pump Type	Cable Size	Starting Method	Rated Current	Discharge									Remark
	UMAI 125	kW	HP	Phase	UPC 171 / Stage	mm ²	Amp	m ³ /hr.	0.0	6.6	9.0	11.4	13.8	16.2	18.6	21.0	
								LPM	0	110	150	190	230	270	310	350	
2.2 / 22	2.20	3.0	~1	5	1.5	DOL	6.5	Head (m)	53	48	46	43	39	34	28	20	
3.0 / 22	3.00	4.0	~3	6	1.5	DOL	8.5		64	57	55	52	47	41	34	23	
3.7 / 22	3.00	4.0	~3	7	1.5	DOL	10.0		75	67	64	60	55	48	39	27	
3.7 / 22	3.70	5.0	~3	8	2.5	DOL	12.0		85	76	73	69	62	54	45	31	
4.5 / 22	4.50	7.5	~3	10	4.0	DOL	14.5		107	95	91	86	78	68	56	39	
5.5 / 22	5.50	7.5	~3	12	6.0	DOL	14.5		128	114	109	103	94	82	67	47	
7.5 / 22	7.50	10.0	~3	15	4.0	S.D	19.5		160	143	137	129	117	102	84	59	
7.5 / 22	7.50	10	~3	16	4.0	S.D	19.5		170	152	146	138	125	109	90	62	**

Power supply : 380V, 50Hz,
Phase : 1-3 Ph
Cable Length : 3 meters
Minimum Well Diameter : 125 mm
NRV Size : 50 mm
Nominal speed : 2900 rpm
Rotor : Copper



BPB 241 + UMAI 125 (Mixed flow) : 125 mm Borewell Submersible Pumpset

Minimum well size 6" for commercial & Industrial purpose uses.

Power supply : 380V, 50Hz,
Phase : 1-3 Ph
Cable Length : 3 meters
Minimum Well Diameter : 125 mm
NRV Size : 75 mm
Nominal speed : 2900 rpm
Rotor : Copper



Motor Type	Motor Rating			Pump Type	Cable Size	Starting Method	Rated Current		Discharge								Remark
	UMA1 125	kW	HP	Phase	UPC 171 / Stage	mm ²	Amp	m ³ /hr.	0.0	18.0	22.0	25.0	29.0	32.0	36.0	40.0	
								LPM	0	300	367	417	483	533	600	667	
	2.2 / 22	2.20	3.0	~1	3	1.5	DOL	6.5	Head (m)	28	23	22	20	18	17	14	11
	3.0 / 22	3.00	4.0	~3	4	1.5	DOL	8.5		37	31	29	27	24	22	19	15
	3.7 / 22	3.70	5.0	~3	5	2.5	DOL	10.0		47	39	36	34	30	28	24	19
	4.5 / 22	4.50	6.0	~3	6	4.0	DOL	12.0		56	46	43	40	36	33	28	22
	5.5 / 22	5.50	7.5	~3	7	6.0	DOL	14.5		65	54	50	47	42	39	33	26
	5.5 / 22	5.50	7.5	~3	8	6.0	DOL	14.5		74	62	58	54	48	44	38	30
	7.5 / 22	7.50	10.0	~3	10	4.0	S/D	19.6		93	77	72	67	60	55	47	37

BPD 262 + UMAI 150 (Mixed Flow) : 150 mm Borewell Submersible Pumpset

for commercial, Irrigation & Industrial purpose uses.

Power supply : 400V, 50Hz
Cable Length : 3 meters
Min Well Diameter : 150 mm
NRV Size : 65, 75 mm
Nominal speed : 2900 rpm



Motor Type	Motor Rating			Pump Type	Cable Size	Starting Method	Rated Current		m³/ hr.	Discharge					Remark
UMAI 150 / 150E	kW	HP	Phase	BPD 262 / Stages	mm²		Amp		LPM	0.0	25.0	54.0	72.0	85.0	
							UMAI 150	UMAI 150E		0	417	900	1200	1417	
8 / 22	7.50	10.0	~3	2.5	1.5	S/D	16.1	17.0	Head (m)	88	85	64	44	32	**

BPD 273 + UMAI 150 (Mixed Flow) : 150 mm Borewell Submersible Pumpset

for commercial, Irrigation & Industrial purpose uses.

Power supply : 400V, 50Hz,
Cable Length : 3 meters
Min Well Diameter : 150 mm
NRV Size : 75 mm
(Internal threading),
100 mm
(External threading)
Nominal speed : 2900 rpm



Motor Type	Motor Rating			Pump Type	Cable Size	Starting Method	Rated Current		m ³ /hr.	Discharge						Remark
UMA1 150 / 150E	kW	HP	Phase	BPD 273 / Stages	mm ²		Amp		LPM	0.0	20.0	30.0	40.0	45.0	50.0	
							UMA1 150	UMA1 150E		0	333	500	667	750	833	
2 / 22	2.20	3.0	~3	2	1.5	DOL	5.8	5.8	Head (m)	23	21	18	15	13	10	
3 / 22	3.70	5.0	~3	3	1.5	DOL	9.5	9.5		34	31	27	22	19	15	
4 / 22	4.50	6.0	~3	4A	2.5	DOL	10.5	10.5		40	37	33	26	22	14	
6 / 22	5.50	7.5	~3	4	2.5	DOL	13.0	13.0		46	41	37	30	26	20	
6 / 22	5.50	7.5	~3	4	1.5	S/D	13.0	13.0		46	41	37	30	26	20	
6 / 22	5.50	7.5	~3	5A	2.5	DOL	13.0	13.0		50	46	41	33	28	17	**
6 / 22	5.50	7.5	~3	5A	1.5	S/D	13.0	13.0		50	46	41	33	28	17	
8 / 22	7.50	10.0	~3	6	2.5	S/D	16.1	17.0		68	62	55	44	38	30	
8 / 22	7.50	10.0	~3	7A	2.5	S/D	16.1	17.0		70	65	58	46	39	24	
9 / 22	9.30	12.5	~3	8A	2.5	S/D	20.0	21.0		80	74	66	52	44	27	
13 / 22	11.00	15.0	~3	8	2.5	S/D	22.8	24.0		91	82	73	59	51	40	
13 / 22	11.00	15.0	~3	10A	2.5	S/D	22.8	24.0		100	93	83	65	55	34	**
UMA1 150E																
14 / 23	13.00	17.5	~3	10	2.5	S/D	30.0	-		114	103	91	74	64	50	
14 / 23	13.00	17.5	~3	11	2.5	S/D	30.0	-		125	113	100	81	70	55	
15 / 23	15.00	20.0	~3	12A	4.0	S/D	33.0	-		120	111	99	78	66	41	
15 / 23	15.00	20.0	~3	12	4.0	S/D	33.0	-		137	124	110	89	77	60	**
17 / 23	18.50	25.0	~3	12	4.0	S/D	42.0	-		137	124	110	89	77	60	
17 / 23	18.50	25.0	~3	14	4.0	S/D	42.0	-		160	144	128	103	89	70	**



BPDN 302 + UMAI 150 (Mixed Flow) : 150 mm Borewell Submersible Pumpset

for commercial, Irrigation & Industrial purpose uses.

Power supply : 400V, 50Hz
Cable Length : 3 meters
Min Well Diameter : 150 mm
NRV Size : 75 mm
(Internal threading),
: 100 mm
(External threading)

Nominal speed : 2900 rpm



Motor Type	Motor Rating			Pump Type	Cable Size	Starting Method	Rated Current		m³/ hr.	Discharge					Remark
UMA I 150 / 150E	kW	HP	Phase	BPD 302 / Stages	mm²		Amp		LPM	0.0	25.0	54.0	72.0	85.0	
							UMAI 150	UMAI 150E		0	417	900	1200	1417	
4 / 22	4.50	6.0	~3	3A	2.5	DOL	10.5	10.5	Head (m)	37.2	30.9	22.2	14.1	6	
6 / 22	5.50	7.5	~3	4A	2.5	DOL	13.0	13.0		49.6	41.2	29.6	18.8	8	
6 / 22	5.50	7.5	~3	4A	1.5	S/D	13.0	13.0		49.6	41.2	29.6	18.8	8	
8 / 22	7.50	10.0	~3	5A	2.5	S/D	16.1	17.0		62	51.5	37	23.5	10	**
9 / 22	9.30	12.5	~3	6A	2.5	S/D	20.0	21.0		74.4	61.8	44.4	28.2	12	
13 / 22	11.00	15.0	~3	7A	2.5	S/D	22.8	24.0		86.8	72.1	51.8	32.9	14	
UMA H 150															
14 / 23	13.00	17.5	~3	8A	4.0	S/D	30.0	-		99.2	82.4	59.2	37.6	16	
15 / 23	15.00	20.0	~3	10A	4.0	S/D	33.0	-		124	103	74	47	20	
17 / 23	18.50	25.0	~3	12A	4.0	S/D	42.0	-		148.8	123.6	88.8	56.4	24	

BPDN 302 + UMAI 150 (Mixed Flow) : 150 mm Borewell Submersible Pumpset

for commercial, Irrigation & Industrial purpose uses.

Power supply : 400V, 50Hz
Cable Length : 3 meters
Min Well Diameter : 150 mm
NRV Size : 75 mm
(Internal threading),
: 100 mm
(External threading)

Nominal speed : 2900 rpm



Motor Type	Motor Rating			Pump Type	Cable Size	Starting Method	Rated Current		m³/hr.	Discharge					Remark
UMA I 150 / 150E	kW	HP	Phase	BPD 302 / Stages	mm²		Amp		LPM	0	30	60	70	90	
							UMA I 150	UMA I 150E		0	500	1000	1167	1500	
3 / 22	3.7	5.0	~3	2	1.5	DOL	8.4	9.5	Head (m)	26	21	16	13	5	
6 / 22	5.5	7.5	~3	3	2.5	DOL	11.8	13		39	32	24	20	7	
6 / 22	5.5	7.5	~3	3	1.5	S/D	11.8	13		39	32	24	20	7	
8 / 22	7.5	10.0	~3	4	2.5	S/D	15.6	-		52	42	32	26	9	
9 / 22	9.3	12.5	~3	5	2.5	S/D	18.5	-		65	53	40	33	12	
13 / 22	11.0	15.0	~3	6	4.0	S/D	33.0	-		78	63	48	39	14	**
UMA H 150															
15 / 23	15.0	20	~3	8	4.0	S/D	33.0	-		104	84	65	52	18	**
17 / 23	18.5	25	~3	10	4.0	S/D	42.0	-		130	105	80	65	23	**
28 / 23	22.0	30	~3	12	6.0	S/D	43.0	-		156	132	96	78	28	

BPI 322 + UMA 150 (7" Pump + 6" Motor - Mixed flow) : 175 mm Borewell Submersible Pumpset

for commercial, Irrigation & Industrial purpose uses.

Power supply : 400V, 50Hz
Cable Length : 3 meters
Min Well Diameter : 175 mm
NRV Size : 100 mm
Nominal speed : 2900 rpm



Motor Type	Motor Rating			Pump Type	Cable Size	Starting Method	Rated Current	m³/hr.	Discharge					Remark
UMAI 150	kW	HP	Phase	BPI 322 / Stages	mm²		Amp	LPM	40.0	60.0	70.0	80.0	85.0	
									667	1000	1167	1334	1417	
4 / 22	4.50	6.0	~3	2D	2.5	DOL	10.5	Head (m)	23	18	14	10	8	
6 / 22	5.50	7.5	~3	2B	2.5	DOL	13.0		27	24	22	18	13	
6 / 22	5.50	7.5	~3	2B	1.5	S/D	13.0		27	24	22	18	13	
6 / 22	5.50	7.5	~3	3D	2.5	DOL	13.0		35	26	21	15	12	
6 / 22	5.50	7.5	~3	3D	1.5	S/D	13.0		35	26	21	15	12	
8 / 22	7.50	10.0	~3	3A	2.5	S/D	16.1		40	33	27	23	20	
9 / 22	9.30	12.5	~3	3C	2.5	S/D	20.0		45	40	36	31	28	
13 / 22	11.00	15.0	~3	4B	2.5	S/D	22.8		54	48	44	36	26	
13 / 22	11.00	15.0	~3	5D	2.5	S/D	22.8		58	44	35	25	20	
UMA H 150E														
14 / 23	13.00	17.5	~3	4C	2.5	S/D	30.0	60	53	48	41	37		
15 / 23	15.00	20.0	~3	5C	4.0	S/D	33.0	75	67	60	51	46		
17 / 23	18.50	25.0	~3	6C	4.0	S/D	42.0	90	80	72	62	56	**	



BPHA 333 + HBC (SMALL) (Mixed flow) : 200 mm Borewell Submersible Pumpset

for commercial, Irrigation & Industrial purpose uses.

Power supply : 400V, 50Hz
Cable Length : 5 meters
Min Well Diameter : 200 mm
NRV Size : 100 mm
Nominal speed : 2900 rpm



Motor Type	Motor Rating			Pump Type	Cable Size	Starting Method	Rated Current	m ³ /hr.	Discharge						Remark
	HBC (SML)	kW	HP						40.0	60.0	80.0	90.0	100.0	110.0	
				BPHA 333 / Stages	mm ²		Amp	LPM	667	1000	1334	1500	1667	1834	
153	11.00	15.0	~3	3G	2.5	S/D	23.5	Head (m)	53	48	40	35	-	-	
203	15.00	20.0	~3	3C	4.0	S/D	31.0		60	57	50	41	39	-	
153	11.00	15.0	~3	4E	2.5	S/D	23.5		60	51	41	36	-	-	
203	15.00	20.0	~3	4F	4.0	S/D	31.0		75	70	-	-	-	-	
253	18.50	25.0	~3	4F	6.0	S/D	37.5		75	70	60	51	46	34	
303	22.00	30.0	~3	4C	6.0	S/D	43.5		80	76	66	55	52	40	
253	18.50	25.0	~3	5F	6.0	S/D	37.5		94	87	-	-	-	-	
303	22.00	30.0	~3	5F	6.0	S/D	43.5		94	87	75	-	-	-	
333	24.50	33.0	~3	5F	6.0	S/D	49.5		94	87	75	64	57	43	
333	24.50	33.0	~3	6F	6.0	S/D	49.5		113	105	-	-	-	-	
413	30.00	41.0	~3	6C	10.0	S/D	58.5		120	114	99	83	78	-	**
413	30.00	41.0	~3	7F	10.0	S/D	58.5		132	122	105	-	-	-	

BPHA 333 + HBCN (BIG) (Mixed flow) : 200 mm Borewell Submersible Pumpset

for commercial, Irrigation & Industrial purpose uses.

Power supply : 400V, 50Hz
Cable Length : 5 meters
Min Well Diameter : 200 mm
NRV Size : 100 mm
Nominal speed : 2900 rpm



Motor Type	Motor Rating			Pump Type	Cable Size	Starting Method	Rated Current	m ³ /hr.	Discharge						Remark
	HBCN (BIG)	kW	HP						40.0	60.0	80.0	90.0	100.0	110.0	
				BPHA 333 / Stages	mm ²		Amp	LPM	667	1000	1334	1500	1667	1834	
523	38.00	52.0	~3	08C	10 / 25	S.D./ATS	77.0	Head (m)	160	152	132	110	104	80	
603	45.00	60.0	~3	09C	16 / 25	S.D./ATS	88.0		180	171	149	124	117	90	
603	45.00	60.0	~3	10C	16 / 25	S.D./ATS	88.0		200	190	165	138	130	100	
603	45.00	60.0	~3	12G	16 / 25	S.D./ATS	88.0		214	192	162	142	119	--	

BPHA 373 + UMA 150 (8" Pump + 6" Motor - Mixed flow) : 200 mm Borewell Submersible Pumpset

for commercial, Irrigation & Industrial purpose uses.

Power supply : 400V, 50Hz
Cable Length : 3 meters
Min Well Diameter : 200 mm
NRV Size : 150 mm
Nominal speed : 2900 rpm



Motor Type	Motor Rating			Pump Type	Cable Size	Starting Method	Rated Current	m³/ hr.	Discharge							Remark
UMA I 150	kW	HP	Phase	BPH 373 / Stages	mm²		Amp	LPM	80.0 1334	90.0 1500	110.0 1834	130.0 2167	150.0 2501	160.0 2667	170.0 2834	
6 / 22	5.50	7.5	~3	1A	2.5	DOL	13.0	Head (m)	15	15	14	13	-	-	-	
8 / 22	7.50	10.0	~3	1B	2.5	S/D	16.1		19	18	17	16	14	13	12	
9 / 22	9.30	12.5	~3	1D	2.5	S/D	20.0		20	19	18	17	15	15	14	
13 / 22	11.00	15.0	~3	2A	2.5	S/D	22.8		31	30	28	26	-	-	-	
UMA H 150E																
14 / 23	13.00	17.5	~3	2C	2.5	S/D	30.0		33	32	30	28	24	22	13	
15 / 23	15.00	20.0	~3	2B	4.0	S/D	33.0		37	36	34	32	29	26	24	
17 / 23	18.50	25.0	~3	2D	4.0	S/D	42.0		39	38	36	33	30	29	28	
17 / 23	18.50	25.0	~3	3C	4.0	S/D	42.0		50	48	46	42	37	33	20	

BPHA 373 + HBC (SMALL) (Mixed flow) : 200 mm Borewell Submersible Pumpset

for commercial, Irrigation & Industrial purpose uses.

Power supply : 400V, 50Hz
Cable Length : 3 meters
Min Well Diameter : 200 mm
NRV Size : 150 mm
Nominal speed : 2900 rpm



Motor Type	Motor Rating			Pump Type	Cable Size	Starting Method	Rated Current	m³/ hr.	Discharge								Remark
HBC / HBCN	kW	HP	Phase	BPHA 373 / stages	mm²		Amp	LPM	80.0 1334	90.0 1500	110.0 1834	130.0 2167	150.0 2501	160.0 2667	170.0 2834		
153	11.0	15.0	~3	2A	2.5	S/D	23.5	Head (m)	31	30	28	26	20	20	20		
203	15.0	20.0	~3	2B	4.0	S/D	31.0		37	36	34	32	29	26	24		
303	22.0	30.0	~3	3B	6.0	S/D	43.5		56	53	51	48	43	39	36		
253	18.5	25.0	~3	3C	6.0	S/D	37.5		50	48	46	42	37	33	20		
333	24.5	33.0	~3	3D	6.0	S/D	49.5		59	57	53	50	45	44	42		
413	30.0	41.0	~3	4B	10.0	S/D	58.5		74	71	68	64	57	53	48		

BPHA 373 + HBCN (BIG) (Mixed flow) : 200 mm Borewell Submersible Pumpset

for commercial, Irrigation & Industrial purpose uses.

Power supply : 400V, 50Hz
Cable Length : 5 meters
Min Well Diameter : 200 mm
NRV Size : 150 mm
Nominal speed : 2900 rpm



Motor Type	Motor Rating			Pump Type	Cable Size	Starting Method	Rated Current	m³/hr.	Discharge								Remark
HBCN (BIG)	kW	HP	Phase	BPHA 373 / stages	mm²		Amp	LPM	80.0	90.0	110.0	130.0	140.0	150.0	170.0		
									1334	1500	1834	2167	2334	2501	2834		
523	38.0	52.0	~3	04D	10/25	S.D./ATS	77.0	Head (m)	78	76	71	66	63	60	56	**	
603	45.0	60.0	~3	05D	16/25	S.D./ATS	88.0		98	95	89	83	79	75	70	**	
603	56.0	75.0	~3	06D	16/25	S.D./ATS	108.0		118	114	107	99	95	90	84		
603	56.0	75.0	~3	07B	16/25	S.D./ATS	108.0		121	117	109	100	95	86	79	**	

BPHA 384 + HBC (SMALL) (Mixed flow) : 200 mm Borewell Submersible Pumpset

for commercial, Irrigation & Industrial purpose uses.

Power supply : 400V, 50Hz
Cable Length : 5 meters
Min Well Diameter : 200 mm
NRV Size : 125 mm
Nominal speed : 2900 rpm



Motor Type	Motor Rating			Pump Type	Cable Size	Starting Method	Rated Current	m³/hr.	Discharge								Remark
HBC (SML)	kW	HP	Phase	BPHA 384 / stages	mm²		Amp	LPM	50.0 834	70.0 1167	80.0 1334	90.0 1500	100.0 1667	110.0 1834	130.0 2167		
253	18.5	25.0	~3	3G	6.0	S/D	37.5	Head (m)	64	62	59	55	52	49	43		
303	22.0	30.0	~3	3D	6.0	S/D	43.5		71	71	68	65	60	57	51	* *	
333	24.5	33.0	~3	4J	6.0	S/D	49.5		90	88	84	80	-	-	-		

BPHA 384 + HBC (SMALL) (Mixed flow) : 200 mm Borewell Submersible Pumpset

for commercial, Irrigation & Industrial purpose uses.

Power supply : 400V, 50Hz
Cable Length : 5 meters
Min Well Diameter : 200 mm
NRV Size : 125 mm
Nominal speed : 2900 rpm



Motor Type	Motor Rating			Pump Type	Cable Size	Starting Method	Rated Current	m³/hr.	Discharge								Remark
HBC (SML)	kW	HP	Phase	BPHA 384 / stages	mm²		Amp	LPM	20.0 333	40.0 667	60.0 1000	80.0 1334	100.0 1667	110.0 1834	130.0 2167		
303	22.0	30.0	~3	06M1	6.0	S/D	43.5	Head (m)	130	122	102	78	46	27	-		
333	24.5	33.0	~3	07M1	6.0	S/D	49.5		152	143	119	91	54	32	-		
413	30.0	41.0	~3	08M1	10.0	S/D	58.5		174	163	136	104	61	36	-	**	

BPHA 384 + UMA 150 (8" Pump + 6" Motor combination - Mixed flow) : 200 mm Borewell Submersible Pumpset

for commercial, Irrigation & Industrial purpose uses.

Power supply : 400V, 50Hz
Cable Length : 3 meters
Min Well Diameter : 200 mm
NRV Size : 125 mm
Nominal speed : 2900 rpm



Motor Type	Motor Rating			Pump Type	Cable Size	Starting Method	Rated Current	m³/ hr.	Discharge								Remark
UMAI 150	kW	HP	Phase	BPHA 373 / stages	mm²		Amp	LPM	50.0 834	70.0 1167	90.0 1500	110.0 1667	110.0 134	120.0 2000	130.0 2167		
8 / 22	7.50	10.0	~3	1D	2.5	S/D	16.1	Head (m)	-	24	22	20	-	-	-		
9 / 22	9.30	12.5	~3	2E	2.5	S/D	20.0		-	38	33	31	-	-	-		
13 / 22	11.00	15.0	~3	2F	2.5	S/D	22.8		-	39	35	32	-	-	-		
UMA H 150E																	
15 / 23	15.00	20.0	~3	2D	4.0	S/D	33.0		48	47	43	40	38	-	-		
15 / 23	15.00	20.0	~3	3H	4.0	S/D	33.0		62	60	-	-	-	-	-		
17 / 23	18.50	25.0	~3	3G	4.0	S/D	42.0	64	62	55	52	49	46	43			

CORAchrom 150-30A + UMA 150 : 150 mm Borewell Submersible Pumpset

for commercial, Irrigation & Industrial purpose uses.

Power supply : 400V, 50Hz
Cable Length : 3 meters
Min Well Diameter : 150 mm
NRV Size : 75 mm
Nominal speed : 2900 rpm



Motor Type	Motor Rating			Pump Type	Cable Size	Starting Method	Rated Current (A)	m³/hr.	Discharge								Remark
UMAI 150 / CH	kW	HP	Phase	CORACHROM 30A/Stages	mm²		UMAI 150 / CH	LPM	0.0 0	12.0 200	20.0 333	24.0 400	28.0 467	32.0 533	39.0 650		
3 / 22	3.70	5.0	~3	3	1.5	DOL	9.5	Head (m)	36	32	28	27	24	19	13		
6 / 22	5.50	7.5	~3	5	2.5	DOL	13.0		59	53	47	44	40	33	21		
8 / 22	7.50	10.0	~3	7	2.5	S/D	16.1		82	74	66	62	56	46	30		
9 / 22	9.30	12.5	~3	9	2.5	S/D	20.0		105	96	85	80	73	60	38		
13 / 22	11.00	15.0	~3	13	2.5	S/D	22.8		151	138	123	115	105	88	56	**	
UMA H 150							UMA H 150										
14 / 23	13.00	17.5	~3	15	2.5	S/D	30		174	160	142	133	121	102	64		
15 / 23	15	20	~3	17	4.0	S/D	33		197	181	161	150	137	115	73		
17 / 23	18.5	25	~3	21	4.0	S/D	42	242	223	199	186	169	143	90			
28 / 23	22.00	30	~3	26	6.0	S/D	48.0	296	275	245	229	208	179	111			

Standardised Water Pump Etanorm

Technical Specification of Centrifugal Pump with Seal (Only Pump) Pump Body & Impeller : Cast Iron, Shaft : Carbon Steel | **Three Phase**

SI No.	Pump Model	RPM	Suction	Delivery	Head in (m)	Discharge Q: m ³ /h	Remark
1	ETN-050-032-160	2900	2"	1.25"	Depends on the Duty Parameter	Depends on the Duty Parameter	
2	ETN-050-032-200	2900	2"	1.25"			
3	ETN-065-040-125	2900	2.5"	1.5"			
4	ETN-065-040-160	2900	2.5"	1.5"			
5	ETN-065-040-250	2900	2.5"	1.5"			
6	ETN-065-050-125	2900	2.5"	2"			
7	ETN-065-050-160	2900	2.5"	2"			
8	ETN-065-050-200	2900	2.5"	2"			
9	ETN-065-050-250	2900	2.5"	2"			
10	ETN-065-050-315	2900	2.5"	2"			
11	ETN-080-065-125	2900	3"	2.5"			
12	ETN-080-065-160	2900	3"	2.5"			
13	ETN-080-065-200	2900	3"	2.5"			
14	ETN-080-065-250	2900	3"	2.5"			
15	ETN-100-080-160	2900	4"	3"			

Standardised Water Pump Etanorm

Technical Specification of Centrifugal Pump with Seal (Only Pump) Pump Body & Impeller : Cast Iron, Shaft : Carbon Steel | **Three Phase**

SI No.	Pump Model	RPM	Suction	Delivery	Head in (m)	Discharge Q: m ³ /h	Remark
1	ETN-080-065-315	1450	3"	2.5"	Depends on the Duty Parameter	Depends on the Duty Parameter	
2	ETN-100-080-200	1450	4"	3"			
3	ETN-100-080-250	1450	4"	3"			
4	ETN-100-080-315	1450	4"	3"			
5	ETN-125-100-250	1450	5"	4"			
6	ETN-125-100-160	1450	5"	4"			
7	ETN-125-100-315	1450	5"	4"			
8	ETN-150-100-250	1450	6"	4"			
9	ETN-150-125-200	1450	6"	5"			
10	ETN-150-125-315	1450	6"	5"			
11	ETN-200-150-200	1450	8"	6"			
12	ETN-200-150-315	1450	8"	6"			
13	ETN-200-150-400	1450	8"	6"			



Etanorm



Etanorm SYT
Thermal Oil / Hot Water Pump



Mega CPK Chemical Pump

Water Pump Etabolc

Technical Specification of Centrifugal Pump with Seal, Pump Body & Impeller : Cast Iron, Shaft : Carbon Steel | **Three Phase**



SI No.	Pump Model	KW	HP	RPM	Suction	Delivery	Head in (m)	Discharge Q: m³/h	Remark
1	ETB-065-050-200 GG	-	-	2900	2.5"	2"	Depends on the Duty Parameter	Depends on the Duty Parameter	
2	ETB-040-025-200 GG	0.37	0.5	1450	1.5"	1"			
3	ETB-050-032-125 GG	0.75	1	1450	2"	1.25"			
4	ETB-040-025-160 GG	1.1	1.5	2900	1.5"	1"			
5	ETB-040-025-160 GG	1.5	2	2900	1.5"	1"			

Water Pump Etabolc

Technical Specification of Centrifugal Pump with Seal, Pump Body : Cast Iron, Impeller : SS, Shaft : Carbon Steel | **Three Phase**



SI No.	Pump Model	KW	HP	RPM	Suction	Delivery	Head in (m)	Discharge Q: m³/h	Remark
1	ETB-065-050-315 GC	30	40	-	2.5"	2"	Depends on the Duty Parameter	Depends on the Duty Parameter	
2	ETB-065-040-315 GC	30	40	-	2.5"	1.5"			
3	ETB-065-040-125 GC	3.0	4	-	2.5"	1.5"			

Movitec High Pressure Vertical Multistage Pump

Technical Specification of Movitec High Pressure Vertical Multistage Pump with Seal, Pump Body & Impeller : SS-304, Shaft : SS-431, Motor IE2 | **Three Phase**



SI No.	Pump Model	KW	HP	RPM	Suction	Delivery	Head in (m)	Discharge Q: m³/h	Remark
1	Movitec VF 2/09-B	0.75	1	2900	1"	1"	53	2	
2	Movitec VF 6/05-B	1.1	1.5	2900	1.25"	1.25"	36	6	
3	Movitec VF 2/16-B	1.5	2	2900	1"	1"	100	2	
4	Movitec VF 2/30-B	2.2	3	2900	1"	1"	185	2	
5	Movitec VF 4/14-B	2.2	3	2900	1"	1"	100	4	
6	Movitec VF 4/20-B	3	4	2900	1"	1"	140	4	
7	Movitec VF 4/24-B	4	5.5	2900	1"	1"	170	4	
8	Movitec VF 10/10-B	4	5.5	2900	1.5"	1.5"	83	10	
9	Movitec VF 10/13-B	5.5	7.5	2900	1.5"	1.5"	110	10	
10	Movitec VF 15/08-B	5.5	7.5	2900	2"	2"	88	17	
11	Movitec VF 15/10-B	9.5	12.5	2900	2"	2"	110	17	
12	Movitec VF 15/13-B	15	20	2900	2"	2"	140	19	
13	Movitec VF 25/07-B	15	20	2900	2.5"	2.5"	110	28	

Home Booster System : Multiboost

Technical Specification of Centrifugal Pump with Seal, Pump Body : Cast Iron, Impeller : SS, Shaft : Carbon Steel | **Three Phase**



SI No.	Pump Model	No. of Stages	KW	HP	Pipe Size (in)	LPM	17	25	33	42	50	58	Remark
1	KHM0204	4	0.37	0.5	1" X 1"	Head (m)	32	30	28	25	21	16	
2	KHM0206	6	0.75	1.0	1" X 1"		48	46	42	37	31	24	
SI No.	Pump Model	No. of Stages	KW	HP	Pipe Size (in)		33	42	67	83	100	117	Remark
1	KHM0402	2	0.37	0.5	1.25" X 1"		14	13	12	10	8	6	
2	KHM0403	3	0.75	1.0	1.25" X 1"		24	22	19	17	13	10	
3	KHM0404	4	0.75	1.0	1.25" X 1"		32	29	16	22	18	13	
4	KHM0406	6	1.1	1.5	1.25" X 1"		50	46	42	36	31	25	
SI No.	Pump Model	No. of Stages	KW	HP	Pipe Size (in)		67	83	100	117	133	167	Remark
1	KHM0803	3	1.5	2.0	1.5" X 1.25"		45	43	40	38	35	26	

SPBLOC SELF PRIMING CENTRIFUGAL PUMP

Technical Specification of Centrifugal Pump with Seal, Pump Body : Cast Iron, Impeller : SS-316, Shaft : AISI-410 | Three Phase



SI No.	Pump Model	KW	HP	RPM	Suction	Delivery	Head in (m)	Discharge Q: m³/h	Remark
1	SPbloc-15M-40X40 GC	0.75	1	2900	1.5"	1.5"	8-16	18-3	
2	SPbloc-16M-40X40 GC	1.5	2	2900	1.5"	1.5"	10-20	23-6	
3	SPbloc-17M-50X50 GC	2.2	3	2900	2"	2"	12-24	32-2	
4	SPbloc-18M-80X80 GC	3.7	5	2900	3"	3"	8-20	67-13	

SPBLOC SELF PRIMING CENTRIFUGAL PUMP

Technical Specification of Centrifugal Pump with Seal, Pump Body : Cast Iron, Impeller : Cast Iron, Shaft : AISI-410 | Three Phase

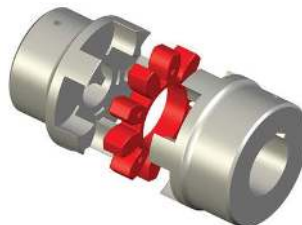


SI No.	Pump Model	KW	HP	RPM	Suction	Delivery	Head in (m)	Discharge Q: m³/h	Remark
1	SPbloc-15M-40X40 G1	0.75	1	2900	1.5"	1.5"	8-16	18-3	
2	SPbloc-16M-40X40 G1	1.5	2	2900	1.5"	1.5"	10-20	23-6	
3	SPbloc-17M-50X50 G1	2.2	3	2900	2"	2"	12-24	32-2	
4	SPbloc-18M-80X80 G1	3.7	5	2900	3"	3"	8-20	67-13	
5	SPbloc-14M-80X80 G1	3.7	5	2900	3"	3"	20-32	26-4	

COUPLING



Rathi Couplings



Jaw Coupling



RUPEX Pin & Bush Coupling



Flange Coupling

IMPELLER



SS Impeller

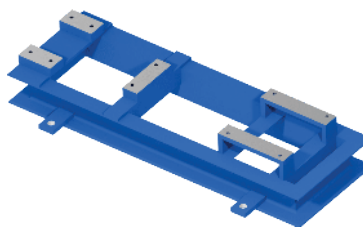


Bronze Impeller

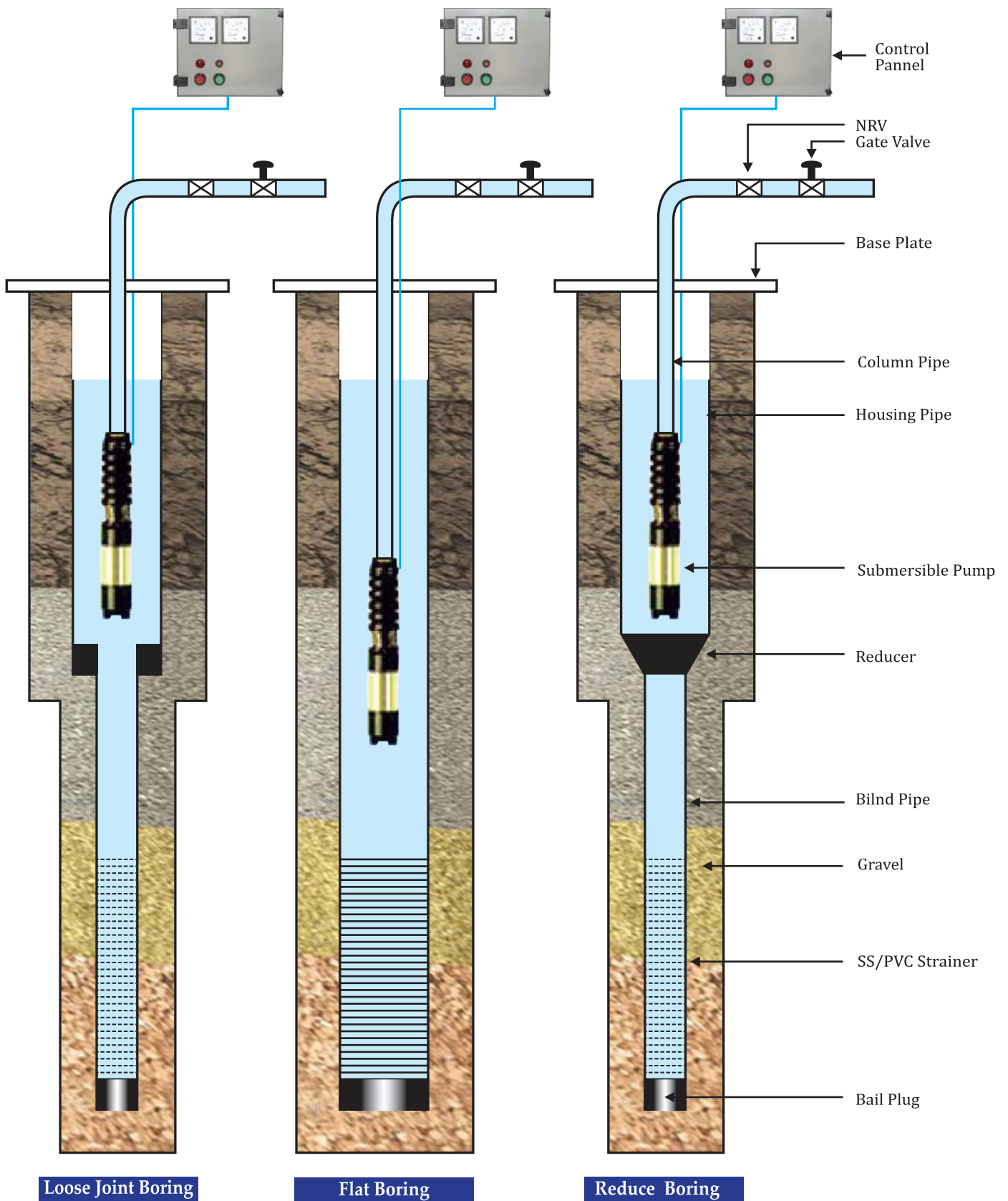


Cast Iron Impeller

BASE FRAME



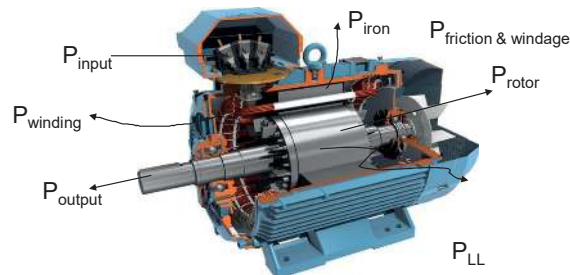
DEEP TUBEWELL



Energy Efficient Motors

High Efficiency Concept

Losses split into five major areas

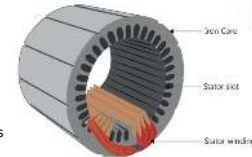
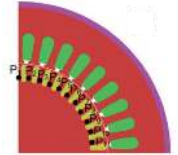
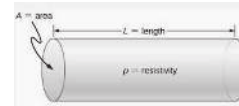


Decreasing the losses in Energy Efficiency motors

- Stator copper loss
- Rotor conductor loss
- Iron loss – Low loss electrical sheet steel
Lamination thickness
- Friction and windage losses – Optimally designed fans and bearings
- Stray load losses – Improved manufacturing process
Optimized slot geometry
Uniform air gap
Minimising overhand length

$$R = \frac{\rho L}{A}$$

ρ = resistivity
 L = length
 A = area



Key Features :

- European Technology
- **IE2** = High efficiency
- **IE3** = Premium efficiency
- **IE4** = Super premium efficiency
- **IE5** = Ultra-premium energy efficiency
- Wide Range (0.18 - 5000 kw)
- Cast Iron Body
- Easy connection to Top Terminal Box
- Polyamide based Class F Insulation
- Suitable for all VFDs/ AC Drives
- Polyurethane paint
- Temperature Rise Class B (70 deg)
- IE3 efficiency class 96.0 according to IEC 60034-30-1:2014, IS 12615:2018



General performance motors



Permanent magnet motors



Smoke extraction motors



Increased safety motors



IE5 Increased safety Synchronous reluctance motors



Flameproof motors

ACS355

Range :
0.37 to 22 kW



Features :

- Optimized design for cabinet installations saves space and installation time.
- Wide range of fieldbus adapters available offer flexible connectivity.
- Vector control capable of running both asynchronous motors and permanent magnet motors.
- Simple and visual sequence programming to make independent and repeatable operation sequences.
- Pre-defined application macros for quick basic setup.
- Unified height and depth of the IP20 product family simplifies wiring in cabinet installations.

ACS560

Range :
0.75 to 160 kW



Features :

- Coated circuit boards, colour coded I/O terminals, SIL3, PLE3 certified Safe Torque Off (STO)
- Ultra-fast commissioning with short cut menu icons without touching full parameter list.
- Built-in macros for many general-purpose applications such as fan, pump, mixer.
- Built-in Modbus RTU with one click configuration for quick PLC connectivity fieldbus modules.
- Built-in EMC filters and DC choke for reduced network pollution for all range of load and longer cable lengths.

ACS580

Range :
0.75 to 500 kW



Features :

- Enclosure class IP00 as standard
- Easy installation, commissioning & maintenance with pedestal on wheels and ramp.
- Integrated safety including safe torque off (STO) as standard.
- Supports various motor types including induction and permanent magnet motors with USB connection
- Redundant fans that enable the process to run in part load even with one fan only running.
- Coated boards as standard
- Built-in choke as standard for input harmonics reduction
- EMC filter option as standard

ACS880

Range :
0.55 to 3200 kW



Features :

- Intuitive control panel and PC tool.
- Direct torque control (DTC) for precise open and closed loop control.
- Built-in safety features for simplified configuration.
- Communication with all major automation networks.
- Removable memory unit for easy drive commissioning and replacement.
- Energy optimizer and energy efficiency information for monitoring and saving energy.
- Designed for easy service

IE3 PREMIUM EFFICIENCY CAST IRON MOTORS


General performance
motors

Permanent magnet
motors

Smoke extraction
motors

Increased safety
motors

IE5 Increased
safety Synchronous
reluctance motors

Flameproof
motors

Technical data

IE3 premium efficiency cast iron motors

Technical data for totally enclosed squirrel cage three phase induction motors

IP 55 - IC 411 - Insulation class F, temperature rise class B, IE3 efficiency class according to IEC 60034-30-1:2014, IS 12615:2018
2-Pole, TEFC, 415V, 50Hz, IP55, IC411, Ambt. 50 deg, Rise Class B (70 deg)

Output KW	Frame Size	Speed r/min	Efficiency			Power factor cos Ø	Current		Torque			Moment of inertia J=1/4GD² kgm²	Weight kg
			Full load 100%	3/4 load 75%	1/2 load 50%		I _n , A	I _s /I _n	T _n Nm	T _s /T _n	T _b /T _n		
3000 r/min = 2 poles			415V, 50Hz										
0.37	M2BAX71MC2	2790	75.5	75.4	72.7	0.72	0.95	5.5	1.3	2.1	2.5	0.00033	9
0.55	M2BAX71MB2	2782	78.1	78.4	76.4	0.73	1.35	5.5	1.9	2.1	2.6	0.00041	10
0.75	M2BAX80MC2	2870	80.7	80.0	76.7	0.76	1.7	6.5	2.5	2.8	3.6	0.00080	14
1.1	M2BAX80MD2	2865	82.7	83.3	81.9	0.80	2.3	7.0	3.7	2.8	3.6	0.00119	17
1.5	M2BAX90SB2	2882	84.2	84.6	83.0	0.83	3	6.0	5.0	2.7	3.3	0.00224	21
2.2	M2BAX90SLA2	2890	85.9	86.7	85.8	0.88	4.4	7.0	7.3	3.0	3.5	0.00304	25
3.7	M2BAX100LKB2	2900	87.8	88.1	86.8	0.85	6.9	7.7	12.2	3.5	3.9	0.00756	42
5.5	M2BAX132SMA2	2900	89.2	89.6	88.9	0.82	10.5	7.0	18.1	2.1	3.3	0.01625	69
7.5	M2BAX132SMB2	2905	90.1	90.5	89.7	0.82	14.2	6.5	24.7	2.2	3.5	0.01821	74
9.3	M2BAX160MLJ2	2935	90.7	90.8	89.7	0.86	16.6	7.7	30.3	2.5	3.5	0.053	115
11	M2BAX160MLA2	2935	91.2	91.5	90.8	0.87	19.2	7.7	35.8	2.4	3.2	0.057	118
15	M2BAX160MLB2	2940	91.9	92.1	91.3	0.86	26.5	7.7	48.7	2.9	4.0	0.063	126
18.5	M2BAX160MLC2	2950	92.4	92.9	92.5	0.90	33.0	7.7	59.9	3.0	3.9	0.076	144
22	M2BAX180MLA2	2950	92.7	93.2	92.7	0.88	37.7	7.7	71.2	2.6	3.3	0.110	181
30	M2BAX200MLA2	2950	93.3	93.6	93.2	0.89	51	7.7	97.1	2.4	2.9	0.182	230
37	M2BAX200MLB2	2955	93.7	94.1	93.6	0.88	62.7	7.7	119.6	2.8	3.4	0.222	257
45	M2BAX225SMA2	2965	94.0	94.1	93.3	0.86	77.7	7.7	144.9	2.8	3.4	0.296	287
55	M2BAX250SMA2	2965	94.3	94.3	93.5	0.87	93.5	7.0	177.2	2.7	3.1	0.426	344
75	M2BAX280SMB2	2978	94.7	94.7	93.7	0.85	129.0	7.7	240.0	2.7	3.0	0.900	596
90	M2BAX280SMC2	2975	95.0	95.0	94.0	0.88	150.0	7.7	289.0	2.5	3.0	0.990	618
110	M2BAX315SMB2	2982	95.2	95.2	94.2	0.87	185.0	7.7	352.0	1.9	2.8	1.300	801
132	M2BAX315SMC2	2982	95.4	95.4	94.4	0.87	220.0	7.7	423.0	2.0	2.8	1.500	852
160	M2BAX315SMD2	2983	95.6	95.6	94.6	0.88	265.0	7.7	512.0	2.2	2.8	1.700	909
200	M2BAX315MLA2	2984	95.8	95.8	94.8	0.86	338.0	7.7	640.0	3.0	3.6	2.100	1051
250	M2BAX355SMA2	2985	95.8	95.8	94.8	0.87	417.0	7.7	800.0	2.1	3.3	3.000	1412
315	M2BAX355SMB2	2980	95.8	95.8	94.8	0.87	525.0	7.7	1009.0	2.1	3.0	3.400	1495
355	M2BAX355SMC2	2984	95.8	95.8	94.8	0.87	593.0	7.7	1136.0	2.5	3.2	3.600	1565
375	E3BA355MLD2	2982	95.8	95.8	94.8	0.90	605.0	7.7	1201.0	1.6	3.1	6.520	2260

Efficiency values are measured according to IEC 60034-2-1; 2007, IS 15999(Part2/Sec1):2011
Please note that the values are not comparable without knowing the testing method. ABB has
calculated the efficiency values according to indirect method, stray load losses (additional
losses) determined from measuring.

I_s / I_n = Starting current
 T_s / T_n = Locked rotor torque
 T_b / T_n = Breakdown

IP 55 - IC 411 - Insulation class F, temperature rise class B, IE3 efficiency class according to IEC 60034-30-1:2014, IS 12615:2018
4-Pole, TEFC, 415V, 50Hz, IP55, IC411, Ambt. 50 deg, Rise Class B (70 deg)

Output KW	Frame Size	Speed r/min	Efficiency			Power factor cos Ø	Current			Torque		Moment of inertia J=1/4GD² kgm²	Weight kg
			Full load 100%	3/4 load 75%	1/2 load 50%		I _n , A	I _s /I _n	T _n Nm	T _s /T _n	T _b /T _n		
1500 r/min = 4 poles			415V, 50Hz										
0.37	M2BAX71MLA4	1415	77.3	76.0	67.0	0.65	1.02	4.6	2.5	2.5	2.8	0.00098	12
0.55	M2BAX80MC4	1435	80.8	80.0	75.0	0.70	1.35	6.0	3.7	2.5	2.8	0.00195	17
0.75	M2BAX80MLA4	1445	82.5	81.1	77.1	0.70	2.05	4.5	5.0	3.5	3.9	0.00309	20
1.1	M2BAX90SB4	1435	84.1	83.7	81.0	0.70	2.60	6.0	7.3	3.0	3.7	0.00397	22
1.5	M2BAX90SLA4	1431	85.3	85.2	82.9	0.75	3.50	6.0	10.0	3.5	3.9	0.00486	25
2.2	M2BAX100LB4	1445	86.7	86.9	85.1	0.74	4.8	7.0	14.5	2.9	3.7	0.00919	34
3.7	M2BAX112MLA4	1450	88.4	88.5	87.0	0.76	7.7	7.5	24.4	3.3	3.9	0.01542	50
5.5	M2BAX132SMA4	1460	89.6	90.6	90.2	0.79	10.8	7.0	36.0	2.0	3.0	0.03505	72
7.5	M2BAX132MLA4	1462	90.4	90.9	90.3	0.75	15.4	7.0	48.8	2.1	3.2	0.04108	84
9.3	M2BAX160MLJ4	1470	91.0	90.9	89.5	0.77	18.5	7.5	60.4	2.7	3.5	0.105	130
11	M2BAX160MLA4	1470	91.4	91.5	90.5	0.78	21.6	7.5	71.5	2.6	3.2	0.11	134
15	M2BAX160MLB4	1470	92.1	92.2	91.3	0.80	28.8	7.5	97.4	2.6	3.4	0.135	159
18.5	M2BAX180MLA4	1475	92.6	93.0	92.5	0.80	34.7	7.5	119.8	2.5	3.3	0.219	192
22	M2BAX180MLB4	1475	93.0	93.5	93.0	0.79	41.5	7.5	142.4	2.9	3.5	0.243	205
30	M2BAX200MLA4	1480	93.6	93.8	93.2	0.83	54.0	7.5	193.6	2.9	3.3	0.385	259
37	M2ABX225SMA4	1480	93.9	94.2	93.8	0.80	68.5	7.5	238.8	2.8	3.2	0.427	274
45	M2BAX225SMB4	1480	94.2	94.6	94.3	0.81	82.5	7.5	290.4	2.5	3.1	0.525	307
55	M2BAX250SMA4	1482	94.6	94.7	94.1	0.82	99.0	7.5	354.4	2.6	3.0	0.694	358
75	M2BAX280SMB4	1485	95.0	95.0	94.0	0.83	133.0	7.7	482.0	2.3	2.8	1.38	573
90	M2BAX280SMC4	1485	95.2	95.2	94.2	0.83	159.0	7.7	579.0	2.5	2.9	1.73	636
110	M2BAX315SMB4	1489	95.4	95.4	94.4	0.82	196.0	7.7	705.0	2.1	3.0	2.43	823
132	M2BAX315SMC4	1488	95.6	95.6	94.6	0.85	226.0	7.7	847.0	2.2	2.9	2.9	892
160	M2BAX315SMD4	1488	95.8	95.8	94.8	0.84	276.0	7.7	1027.0	2.5	3.0	3.2	933
200	M2BAX315MLB4	1488	96.0	96.0	95.0	0.84	343.0	7.7	1283.0	2.4	3.0	3.9	1091
250	M2BAX355SMA4	1491	96.0	96.0	95.0	0.83	435.0	7.7	1601.0	2.1	2.9	5.9	1445
315	M2BAX355SMB4	1491	96.0	96.0	95.0	0.83	548.0	7.7	2017.0	2.3	3.0	6.9	1595
355	M2BAX355SMC4	1486	96.0	96.0	95.0	0.84	612.0	7.7	2281.0	2.3	2.5	7.2	1635
400	E3BA355MLB4H	1486	96.0	96.0	95.0	0.86	674.0	7.7	2570.0	2.5	3.0	11.065	2430

IP 55 - IC 411 - Insulation class F, temperature rise class B, IE3 efficiency class according to IEC 60034-30-1:2014, IS 12615:2018
6-Pole, TEFC, 415V, 50Hz, IP55, IC411, Ambt. 50 deg, Rise Class B (70 deg)

Output KW	Frame Size	Speed r/min	Efficiency			Power factor cos Ø	Current			Torque		Moment of inertia J=1/4GD² kgm²	Weight kg
			Full load 100%	3/4 load 75%	1/2 load 50%		I _n , A	I _s /I _n	T _n Nm	T _s /T _n	T _b /T _n		
1000 r/min = 6 poles			415V, 50Hz										
0.37	M2BAX80MC6	931	73.5	73.0	67.0	0.65	1.15	3.9	3.8	2.5	2.8	0.00220	15
0.55	M2BAX80MLA6	935	77.2	77.0	71.5	0.59	1.70	4.5	5.6	2.8	3.3	0.00349	19
0.75	M2BAX90SLA6	940	78.9	77.5	73.2	0.63	2.1	4.5	7.6	2.3	3.0	0.00487	25
1.1	M2BAX90LB6	945	81.0	79.7	75.4	0.61	3.1	4.5	11.1	3.0	3.6	0.00676	30
1.5	M2BAX100LKA6	954	82.5	82.6	80.2	0.67	3.8	4.5	15.0	2.2	2.4	0.00994	37
2.2	M2BAX112MLA6	952	84.3	84.4	82.5	0.66	5.5	5.0	22.1	1.9	2.7	0.01388	47
3.7	M2BAX132SMB6	960	86.5	87.0	86.0	0.68	8.8	5.0	36.8	1.6	2.7	0.03540	72
5.5	M2BAX132MLA6	965	88.0	88.3	87.3	0.68	12.7	5.0	54.4	1.6	2.8	0.05334	97
7.5	M2BAX160MLA6	965	89.1	90.2	90.0	0.72	16.2	6.5	74.2	1.8	3.1	0.089	119
9.3	M2BAX160MLJ6	970	89.8	90.3	89.7	0.70	20.6	6.5	91.5	1.9	3.1	0.128	153
11	M2BAX160MLB6	970	90.3	91.0	90.7	0.74	23.0	6.5	108.2	1.7	2.6	0.138	160
15	M2BAX180MLA6	972	91.2	91.6	91.0	0.75	30.5	6.0	147.3	1.5	2.6	0.212	190
18.5	M2BAX200MLA6	980	91.7	91.8	90.9	0.80	35.0	7.0	180.2	2.2	3.1	0.496	238
22	M2BAX200MLB6	980	92.2	92.2	91.1	0.79	42.2	7.5	214.3	2.3	3.6	0.585	263
30	M2BAX225SMA6	982	92.9	93.0	92.0	0.76	59.0	7.5	291.6	2.3	3.0	0.724	285
37	M2BAX250SMA6	985	93.3	93.7	93.4	0.80	69.3	7.0	358.6	2.1	2.5	1.3	379
45	M2BAX280SMB6	991	93.7	93.7	91.7	0.77	87.0	7.7	434.0	2.7	3.0	1.87	562
55	M2BAX280SMC6	993	94.1	94.1	92.1	0.80	102.0	7.7	529.0	2.8	3.0	2.57	615
75	M2BAX315SMB6	994	94.6	94.6	92.6	0.83	133.0	7.7	720.0	1.8	2.6	4.1	791

Efficiency values are measured according to IEC 60034-2-1; 2007, IS 15999(Part2 Sec1):2011
Please note that the values are not comparable without knowing the testing method. ABB has
calculated the efficiency values according to indirect method, stray load losses (additional losses)
determined from measuring.

I_s / I_n = Starting current
 T_s / T_n = Locked rotor torque
 T_b / T_n = Breakdown

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