

# WBW 100 mm (4 ") Prathak - Water Filled Borewell Submersible Pumpset

SB\_WPO Maxima (1 Ph)\_03\_A4\_080915\_E



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### WBW 100 mm (4 ") Prathak - Water Filled

#### Borewell Submersible Pumpset



**Technical Data:**

**Flow:** upto 460 LPM  
**Head:** upto 181 m  
**Power:** upto 3.7 kW (5 hp)

**Material of construction:**

**Casing :** Glass Filled Virgin Noryl  
**Impeller :** Glass Filled Virgin Noryl  
**Motor Body :** SS  
**Stator Winding:** Copper

**Application**

- Domestic household water supply
- Water supply to high rise building, housing complex, villas, farm houses, gardens and nurseries
- Washing - garages, poultry farms, cattle farms, and stud farms
- Fountains

**Standard Features:**

- Wide voltage range available in single phase
- High grade engineered polymer - glass filled virgin Noryl impeller
- High quality Winding Wires to ensure reliability & capability to withstand wide voltage fluctuation
- Adequate Bearing supports are provided at top, bottom and middle for better stability
- Non return valve designed for minimum friction loss
- Water lubricated and fully rewindable motor with 2.75 m, 3 core, PVC flat cable along with earthing provision
- Resistant to corrosion and abrasion
- Spline coupling as per NEMA standard

**Selection Table - Single Phase**

Pump Model	Article No.	No. of Stage	Power Rating			Rated Current (A)	Discharge Dia. (mm)	Total Head (m)	Discharge (LPM)									
			kW	hp	1Ph				0	50	60	80	100	130	150			
WBWP4 Prathak-10/08	8200245	8	0.75	1	7.8	40	45	40	38	34	28	18	10					
WBWP4 Prathak-10/10	8200244	10	0.75	1	7.8	40	57	52	46	40	34	20	12					
WBWP4 Prathak-10/14	8200243	14	0.75	1	7.8	40	95	92	80	70	52	32						
Pump Set- Description	Art. No.	No. of Stages	Motor Rating			Max. Current	Discharge Dia. (mm)	Total Head (m)	Discharge (LPM)									
			hp	kW	Poly Ph				0	180	220	280	340	380	420			
WBWP4 Prathak-20/06	8200657	6	2	1.5	10	65	35	27	25	22	19	16	13					
WBWP4 Prathak-30/07	8200658	7	3	2.2	19	65	40	33	30	26	22	19	15					
WBWP4 Prathak-30/08	8200659	8	3	2.2	19	65	46	37	34	27	25	21	17					
Pump Set- Description	Art. No.	No. of Stages	Motor Rating			Max. Current	Discharge Dia. (mm)	Total Head (m)	Discharge (LPM)									
			hp	kW	1 Ph				0	15	25	35	45	55				
WBWP4 Prathak-20/20	8224455	2	1.5	13.8	40		137	120	110	95	80	60						
Pump Set- Description	Art. No.	No. of Stages	Motor Rating			Max. Current	Discharge Dia. (mm)	Total Head (m)	Discharge (LPM)									
			hp	kW	1 Ph				0	10	20	30	33	40	50	60		
WBWP4 Prathak-05/08	8224442	8	0.5	0.37	5.3	40	58	53	45	40	36	31	20	8				
WBWP4 Prathak-10/16	8224443	16	1	0.75	7.5	40	116	106	90	80	72	62	40	16				
WBWP4 Prathak-15/18	8224447	18	1.5	1.1	10.5	40	130	120	102	90	81	69	45	18				
WBWP4 Prathak-15/20	8224448	20	1.5	1.1	10.5	40	145	133	113	100	90	78	50	20				
WBWP4 Prathak-20/25	8224456	25	2	1.5	13.8	40	181	166	141	125	113	97	63	25				

Conversion Table: 1m = 3.281 ft and 1 m<sup>3</sup>/hr = 16.67 LPM = 3.67 GPM  
 The above performance is based on mean supply voltage of 220V/415V at 50 Hz and subject to change due to continuous R&D.

**Selection Table - Single Phase**

Pump Set- Description	Art. No.	No. of Stages	Motor Rating		Max. Current	Discharge Dia. (mm)	Total Head (m)	Discharge (LPM)										
			hp	kW				1 Ph	0	35	45	55	65	75	85	95		
WBWP4 Prathak-15/10	8224444	10	1.5	1.1	10.5	40	81	72	68	63	53	45	37	25				
WBWP4 Prathak-15/12	8224445	12	1.5	1.1	10.5	40	97	86	81	75	63	54	43	29				
WBWP4 Prathak-15/14	8224446	14	1.5	1.1	10.5	40	113	101	95	88	74	63	52	35				
WBWP4 Prathak-20/16	8224453	16	2	1.5	13.8	40	129	115	109	101	85	72	59	40				
WBWP4 Prathak-20/18	8224454	18	2	1.5	13.8	40	146	128	121	113	95	81	67	45				
WBWP4 Prathak-30/18	8224461	18	3	2.2	19.8	50	146	128	121	113	95	81	67	45				
Pump Set- Description	Art. No.	No. of Stages	Motor Rating		Max. Current	Discharge Dia. (mm)	Total Head (m)	Discharge (LPM)										
			hp	kW				1 Ph	0	40	60	80	100	120	140	160		
WBWP4 Prathak-20/12	8224452	12	2	1.5	13.8	50	74	68	65	58	49	40	29	17				
Pump Set- Description	Art. No.	No. of Stages	Motor Rating		Max. Current	Discharge Dia. (mm)	Total Head (m)	Discharge (LPM)										
			hp	kW				1 Ph	0	60	80	100	120	140	160	180		
WBWP4 Prathak-20/08	8224449	8	2	1.5	13.8	50	54	49	48	44	39	33	26	18				
Pump Set- Description	Art. No.	No. of Stages	Motor Rating		Max. Current	Discharge Dia. (mm)	Total Head (m)	Discharge (LPM)										
			hp	kW				1 Ph	0	70	90	110	130	150	170	190		
WBWP4 Prathak-20/10	8224450	10	2	1.5	13.8	50	63	56	52	47	41	34	25	17				
WBWP4 Prathak-30/12	8224459	12	3	2.2	19.8	50	76	67	62	57	49	39	30	20				
WBWP4 Prathak-30/15	8224460	15	3	2.2	19.8	50	94	84	78	71	62	51	38	25				
Pump Set- Description	Art. No.	No. of Stages	Motor Rating		Max. Current	Discharge Dia. (mm)	Total Head (m)	Discharge (LPM)										
			hp	kW				1 Ph	0	150	190	230	270	310	350	390		
WBWP4 Prathak-30/09	8224458	9	3	2.2	19.8	65	46	36	34	32	28	24	19	14				
Pump Set- Description	Art. No.	No. of Stages	Motor Rating		Max. Current	Discharge Dia. (mm)	Total Head (m)	Discharge (LPM)										
			hp	kW				1 Ph	0	180	220	280	340	380	420	460		
WBWP4 Prathak-30/07	8224457	7	3	2.2	19.8	65	39	30	28	24	21	19	17	13				

  

Pump Set Description	Art. No.	No. of Stages	Motor Rating		Max. Current	Discharge Dia. (mm)	Total Head (m)	Discharge (LPM)										
			hp	kW				3 Ph	0	70	90	110	130	150	170	190		
WBWP4 -20/10	8224451	10	2	1.5	4.8	50	63	56	52	47	41	34	25	17				
WBWP4 -30/12	8224464	12	3	2.2	6.9	50	76	67	62	57	49	39	30	20				
WBWP4 -50/20	8224467	20	5	3.7	10.6	50	126	112	104	94	82	66	50	34				
WBWP4 -50/25	8224468	25	5	3.7	10.6	50	158	140	130	118	102	82	63	42				
Pump Set Description	Art. No.	No. of Stages	Motor Rating		Max. Current	Discharge Dia. (mm)	Total Head (m)	Discharge (LPM)										
			hp	kW				3 Ph	0	150	190	230	270	310	350	390		
WBWP4 -50/17	8224466	17	5	3.7	10.6	65	88	68	64	60	52	45	35	26				
Pump Set Description	Art. No.	No. of Stages	Motor Rating		Max. Current	Discharge Dia. (mm)	Total Head (m)	Discharge (LPM)										
			hp	kW				3 Ph	0	180	220	280	340	380	420	460		
WBWP4 -30/07	8224462	7	3	2.2	6.9	65	39	30	28	24	21	19	17	13				
WBWP4 -30/10	8224463	10	3	2.2	6.9	65	55	43	40	34	25	23	18	13				
WBWP4 -50/11	8224465	11	5	3.7	10.6	65	61	47	44	37	28	25	20	14				