



WAA MOTORS AND PUMPS
A WAAREE group company



AGRICULTURAL SUBMERSIBLE PUMPS

WASP Series

Specifications:

Power Range: 2.25 kW to 7.5 kW
(3 HP - 10 HP)
Versions : 3 Ø, 300 - 415 V,
50 Hz AC Supply
Speed : 2900 rpm
Liquid : Clear Water
Degree of Protection : IP68

Material of Construction:

Motor	Part Name	Material
	Motor body	: Stainless Steel
	Components	: Graded CI
	Stamping	: Electrical Grade Silicon Steel
	Thrust bearing	: Stainless Steel 420 / Carbon
	Shaft	: Stainless Steel 410
	Rotor	: Dynamically balanced
	Seal	: Nitrile rubber oil seal
	Winding	: Poly wrap double coated copper wire

Pump	Part Name	Material
	Pump bowl	: Graded CI
	Pump shaft	: Stainless Steel 410
	Bush bearing	: Nitril rubber / GM for sand application
	Impeller	: Stainless steel with hard chrome plating / Noryal

Features

• Multi Stage Centrifugal Pump With Radial & Mixflow Impeller • Prime Mover Motors Are Wet Type, Water Lubricated • Easy installation & Easy Servicing • Works On Low Voltage • Energy efficient design • Good Quality Components and Parts Require, less Maintenance

Performance Chart

HP	1 HP - 4" (V4)										2 HP - 4" (V4)																		
	5					12					18					5					10					15			
Liter Per minute (LPM)	66	83	116	133	10	40	46	52	8	26	35	43	110	180	210	235	58	85	116	133	21	55	85	100					
Head in Meter	33	30	24	19	76	60	44	28	110	90	72	57	40	30	21	15	65	60	47	39	110	90	59	43					

HP	3 HP - 4" (V4)										5 HP - 6" (V6)																		
	9					12					15					6					8					12			
Liter Per minute (LPM)	120	235	290	375	80	150	180	210	66	115	133	162	110	280	390	450	80	185	290	345	25	130	195	240					
Head in Meter	40	30	27	17	67	50	42	32	92	70	58	45	60	50	30	7	82	70	50	26	110	100	69	33					

HP	7.5 HP - 6" (V6)										10 HP - 6" (V6)																		
	6					8					12					6					8					12			
Liter Per minute (LPM)	280	390	460	520	115	310	420	460	80	225	290	330	400	580	670	725	225	455	620	705	200	280	390	430					
Head in Meter	60	50	38	22	80	70	48	35	123	100	75	51	60	50	38	30	85	70	48	32	110	100	60	36					



WAA MOTORS AND PUMPS PRIVATE LIMITED

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SELF PRIMING PUMPS

WSPP Series

Specifications:

Power Range : 0.37 kW to 0.75 kW
(0.5 HP - 1.0 HP)
Versions : 1Ø, 180 - 240 V, 50 Hz
AC Supply
Head : 01 - 39 m
Discharge : 48 - 01 LPM
Speed : 2800 rpm
Nominal size : 25 x 25 mm
Class of Insulation : B
Type of Duty : S1

Applications:

- Domestic
- Small gardens
- Residential bungalows
- Drinking water supply
- Gardens and lawns
- Water storage tanks
- Small farms

Material of Construction:

Part Name	Material
Impeller	: Gun Metal
Delivery Casing	: Cast Iron
Shaft	: Stainless Steel
Motor Body	: Aluminum
Mechanical seal	: Carbon/Ceramic
Adaptor	: Cast Iron
Winding wire	: Super Enameled Copper
Suction Chamber	: Cast Iron

Features

• Wide range of pump models • Uniquely designed to satisfy individual's need • Adequate & un-obstructed self priming capacity • Excellent hydraulic design & workmanship • Suitable in wide voltage variation with greater performance



Performance Chart

Model No.	HP	Head in Meters	3	6	9	12	15	18	21	24	27	30	33	36	39
WESAR0528	0.5	Discharge in LPM	2300	2100	1850	1680	1500	1360	1140	1000	840	645			
WESAR0140	1.0		2880	2580	2340	2220	1980	1860	1680	1440	1260	1080	900	756	250



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OPENWELL SUBMERSIBLE PUMPS

WOSP Series

Specifications:

Power Range	: 0.37 kW to 0.75 kW (0.5 HP – 1.0 HP)
Versions	: 1Ø, 200 – 240 V, 50 Hz AC Supply (CSCR)
Head	: 05–30 m
Discharge	: 208 – 01 LPM
Speed	: 2880 rpm
Degree of Protection	: IP68
Nominal sizes	: 25, 32 mm
Class of Insulation	: B
Type of Duty	: S1 (Continuous)
Liquid	: Clear Water

Applications:

- Agriculture
- Drip Irrigation
- Rural Water Supply
- Domestic
- Sprinkler Irrigation
- Gardening

Material of Construction:

Part Name	Material
Pump casing	: Cast Iron / S.S
Upper Housing	: Cast Iron
Lower Housing	: Cast Iron
Stator Shell	: S.S / M.S / C.I
Shaft	: SS 410
Shaft Seal	: Nitrile Rubber
Diaphragm	: High Nitrile Butyl Rubber
Impeller	: Cast Iron / Noryl
Thrust Assembly	: S.S vs Carbon



Features

- No suction & priming problem • Thrust bearing – Carbon vs SS low wear high efficiency • Noiseless operation • No need of pump housing

Performance Chart

Model No.	HP	Head in Meters	06	08	10	12	14	16	18	20	22	24	26
WEOAR0520	0.5	Discharge in LPM	186	166	152	149	122	101	74	35			
WEOAR1030	1.0		205	195	185	170	160	145	135	120	90	65	45

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100MM BOREWELL SUBMERSIBLE PUMPS

WBSP Series

Specifications:

Power Range	: 0.75 kW to 1.5 kW (1 HP – 2 HP)
Versions	: 1 Ø, 180 – 240 V, 50 Hz AC Supply 3 Ø, 350 – 440 V, 50 Hz AC Supply (For 100 mm only)
Speed	: 2880 rpm
Maximum Outer Diameter	: 72 mm and 98 mm
Available outlet sizes	: 25, 32, 38 mm
Duty	: S1
Method of Starting	: CSR
Liquid	: Clear Water, RL Oil

Applications:

- Irrigation
- Drip Irrigation
- Rural Water Supply
- Domestic
- Sprinkler Irrigation
- Gardening

Material of Construction:

Part Name	Material
Non Return Valve housing	: C.I
Outer Shell (Pipe)	: Stainless Steel
Impeller	: Noryl
Diffuser	: Noryl
Stop Ring	: SS 304
Intermediate Bearing	: SS 304 / NBR
Suction/Inter Connector	: C.I
Pump Shaft	: SS 410
Coupling	: SS 410

Features

- Corrosion and abrasive resistant parts made of stainless steel • High strength engineering polymers and special alloy materials • Fitted with NRV in discharge outlet to prevent backflow • Designed for optimum efficiency

Performance Chart

Model No.	HP	Stage	Delivery	Total head in meters	Discharge in LPM				
					50	55	73	91	101
WESA4R1008	1.0	7	32		46	43	39	28	23
WESA4R1010	1.0	10	32		48	45	40	30	25
WESA4R1512	1.5	12	32		57	54	48	36	30
WESA4R1515	1.5	15	32		71	68	60	45	38
WESA4R2015	2.0	15	38		96	88	64	30	20



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