# STRONGLY BUILT POWERFUL PUMP

C.R.I. OPENWELL SUBMERSIBLE PUMPSET



Pumping trust. Worldwide.



## C.R.I. OPENWELL SUBMERSIBLE PUMPSET - RYKER SERIES

Pumpsets are ideally suitable for openwells or tanks where a wide fluctuation of water level occur. This works under water and rest at the bottom of the well. Prime mover is rewindable, water - cooled motor. Specially designed water lubricated bearings are used to withstand the axial thrust loads with minimum wear and tear. The stator is wound with special waterproof synthetic film insulated copper winding wires and made up of low watt loss silicon steel laminations assembled under pressure and rigidly locked. Motor sealing is made by polymers, 'O' rings, oil seals and sand guard to avoid ingress of well water/salt into the motor. Pressure equalizing rubber diaphragm is provided to guard the motor from pressure and volume variation of water as detailed in our operator's manual. Three phase motor requires an adequate motor protection control panel.



#### C.R.I. OPENWELL SUBMERSIBLE PUMPSET





**Strongly built** with enhanced stability



Premium **performance** 



CED coat used for rust prevention and longer life



for smooth operation and low power consumption

### Technical Specification:

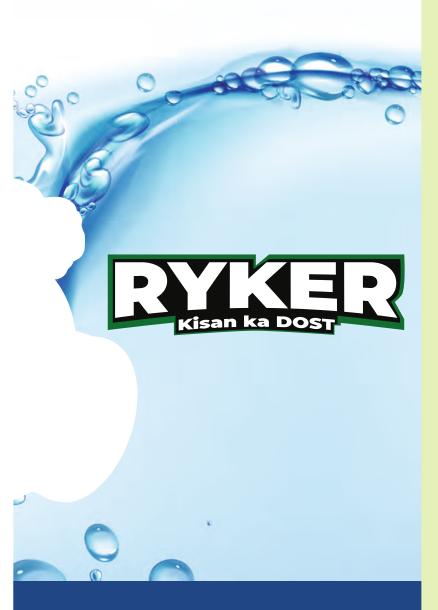
Power range	3HP to 10HP (2.2 kW to 7.5 kW)
Head range	13 Mtrs to 47 Mtrs
Flow range	4m³/hr to 104 m³/hr
Version	380-440Volts, Three phase, 50Hz Supply
Pipe size	50x50, 65x50, 75x65

#### **Applications**

- Agriculture
- Domestic
- Irrigation
- Gardens
- Industrial
- Rural Water Supply







#### Performance Chart:

Horizontal Openwell Submersible Pumpsets 2880 RPM, at Rated Voltage - Three Phase 380 V, 50Hz.

Model	kW	НР	Outlet Size in	m³/hr	0	14.4	18	21.6	25.2	28.8	<b>32.4</b> )ISCHA	<b>36</b> RGE	39.6	43.2	46.8	50.4	54	57.6	61.2
Model	KVV	nP	Size in mm	lps	0	4	5	6	7	8	9 9	10	11	12	13	14	15	16	17
RYKER-350	2.2	3	50		27	26	25.5	25	24	23	21.5	20	18.5	17	14.5				
RYKER-550	3.7	5	50	Metres	38		36	35	33	31	28	25	21						
RYKER-551	3.7	5	50	ii.	43	41	40	39	37.5	34.5	27								
RYKER-750	5.5	7.5	50	Head	42					41	40	38.5	37	35.5	34.5	32.5	31	29	27
RYKER-365	2.2	3	65		23			21	20.5	20	19.5	19	18	17.5	16.5	16	15	14	13
RYKER-565	3.7	5	65		28					26	25	24	23	22	20.5	19	17.5	16	14

Model	kW	НР	Outlet Size in	m³/hr	0	29	40	43	47	50	54	58	<b>61</b>	<b>65</b>	<b>68</b> GE	72	76	79	83	86	90	94	97	101	104
Wouei	KVV	nP	mm	lps	0	8	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
RYKER-765	5.5	7.5	65	Head in Metres	35	34	33	32	31.5	31	30	29.5	28.5	27.5	26	25	24	23	22	21	20	19	18	17	15.5

Model	kW	un	Outlet Size in	m³/hr	0	32	36	40	43	47	<b>50</b>	<b>54</b>	58	61	65	68	72	76	79	83
Wouei	KVV	nP	mm	lps	0	9	10	11	12	13	14	<b>15</b>	16	17	18	19	20	21	22	23
RYKER-950	7.5	10	50	Head in Metres	47	46.5	46	45.5	45	44	43.5	42.5	42	41	39.5	38	37	35	33	32

#### Material of Construction - Pumpset

Part Name	Material	Part Name	Material
Rear cover / Bracket	Cast iron	Shaft seal	Nitrile butyl rubber
Stator shell	Cast iron	Thrust assembly	SS 420 with graphite carbon
Shaft	SS 410	Diaphragm	High nitrile butyl rubber
Impeller	Cast iron	Journal bearings	Carbon
Pump casing	Cast iron		



- 5 decades of engineering excellence Sold in more than 120 countries
- More than 9000 models of pumps and motors Over 700 service centres across India
  - Fully equipped R&D wing recognized by Ministry of Science and Technology
    - ISO 9001 & 14001 accreditations

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