

# SOUTHERN CROSS SAVA

## 4 INCH OIL FILLED SUBMERSIBLE ELECTRIC MOTORS

EFFICIENT AND RELIABLE MOTORS FOR BOREHOLE AND SUBMERSIBLE PUMPING APPLICATIONS



### FEATURES

- Non-toxic, premium quality, colourless food grade white oil. (USA FDA, US Pharmacopeia/National Formulary & European Pharmacopeia approved)
- Special stator design with high starting torque in single phase models.
- Unique single-phase electrical design for starting capacitor and PSC starting or PSC only starting.
- Cable materials are CE approved for potable water applications.
- Stainless steel motor casing, shaft, upper cover and bottom end cover.
- Nickel plated cast iron upper bracket.
- High efficiency stators with the ability to operate within wide voltage fluctuations.
- High quality European components: mechanical seal, cable connectors, copper winding wires and insulation.
- Removable waterproof cable connector for easy maintenance.
- Factory tested.

### APPLICATIONS

Domestic Water Supplies  
 Agriculture  
 Stock Watering  
 Irrigation

### OPERATING PARAMETERS

Max. Temp.	+35°C
Max Start Frequency	40/hr
Max Voltage Variation	±10%
Max Immersion Depth	200m
Axial Thrust	2000N (0.37-1.5kW) 3000N (2.2kW) 5000N (3-7.5kW)
Standard Voltages	230V (1 Phase) 400V (3 Phase)

### TECHNICAL SPECIFICATIONS

Single Phase Motors	0.37-2.2kW
Three Phase Motors	0.37-7.5kW
Mounting Flange	4" NEMA Standard
IP Rating	IP68
Insulation Class	F
Cable Length	1.5m (0.37-1.5kW) 2.5m (2.2-7.5kW)

## SINGLE PHASE

Motor Type	Power		Voltage V	FLA A	LRA A	Efficiency %	Power Factor cosΦ	Nominal Speed RPM	Thrust Load N	Capacitor μF	Cable	
	kW	HP									mm <sup>2</sup>	m
4R201	0.37	0.5	230	3.7	12	53	0.85	2840	2000	16	1.5	1.7
4R202	0.55	0.75	230	4.3	15	62	0.90	2840	2000	20	1.5	1.7
4R203	0.75	1	230	5.7	20	64	0.90	2840	2000	25	1.5	1.7
4R204	1.1	1.5	230	7.8	32	68	0.90	2850	2000	35	1.5	1.7
4R206	1.5	2	230	9.8	38	73	0.90	2850	2000	40	1.5	1.7
4R307	2.2	3	230	15	46	72	0.88	2820	3000	55	1.5	2.5

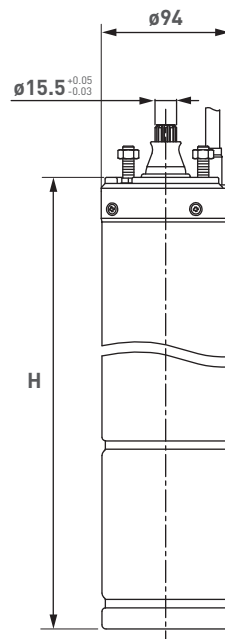
## THREE PHASE

Motor Type	Power		Voltage V	FLA A	LRA A	Efficiency %	Power Factor cosΦ	Nominal Speed RPM	Thrust Load N	Cable	
	kW	HP								mm <sup>2</sup>	m
4R222	0.37	0.5	230	2.05	7.8	60	0.75	2820	2000	1.5	1.7
4R223	0.55	0.75	230	2.8	11.6	64	0.78	2830	2000	1.5	1.7
4R224	0.75	1	230	3.6	15	66	0.78	2830	2000	1.5	1.7
4R225	1.1	1.5	230	4.7	21	70	0.84	2840	2000	1.5	1.7
4R226	1.5	2	230	6.3	24	72	0.84	2840	2000	1.5	1.7
4R328	2.2	3	230	9.3	38	71	0.83	2840	3000	1.5	2.5
4R529	3	4	230	13	74	73	0.8	2850	5000	1.5	2.5
4R530	4	5.5	230	17	84	75	0.8	2850	5000	1.5	2.5
4R531	5.5	7.5	230	24	112	75	0.8	2850	5000	1.5	2.5
4R210	0.37	0.5	400	1.2	4.5	60	0.75	2820	2000	1.5	1.7
4R211	0.55	0.75	400	1.6	6.7	64	0.78	2830	2000	1.5	1.7
4R212	0.75	1	400	2.1	8.9	66	0.78	2830	2000	1.5	1.7
4R213	1.1	1.5	400	2.7	12	70	0.84	2840	2000	1.5	1.7
4R214	1.5	2	400	3.6	14	72	0.84	2840	2000	1.5	1.7
4R316	2.2	3	400	5.4	22	71	0.83	2840	3000	1.5	2.5
4R517	3	4	400	7.5	43	73	0.8	2850	5000	1.5	2.5
4R518	4	5.5	400	9.9	49	75	0.8	2855	5000	1.5	2.5
4R519	5.5	7.5	400	13.8	65	75	0.8	2850	5000	1.5	2.5
4R521	7.5	10	400	19	87	76	0.8	2850	5000	1.5	2.5

## SINGLE PHASE MOTORS

Power		H mm	Weight KG	Thrust Load N
kW	HP			
0.37	0.5	346	7.3	2000
0.55	0.75	365	8.2	2000
0.75	1	380	8.8	2000
1.1	1.5	405	10.0	2000
1.5	2	440	11.5	2000
2.2	3	495	14.0	3000

## DIMENSIONS



## THREE PHASE MOTORS

Power		H mm	Weight kg	Thrust Load N
kW	HP			
0.37	0.5	330	6.7	2000
0.55	0.75	346	7.4	2000
0.75	1	365	8.2	2000
1.1	1.5	380	8.9	2000
1.5	2	405	10.0	2000
2.2	3	440	11.6	3000
3	4	516	15.2	5000
4	5.5	607	19.5	5000
5.5	7.5	683	23.1	5000
7.5	10	783	27.5	5000



### PENTAIR SOUTHERN CROSS

8618 Warrego Highway, Withcott, QLD 4352 [www.southerncross.pentair.com](http://www.southerncross.pentair.com)

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