

SOUTHERN CROSS AND CLIMAX WINDMILL SELECTION CHART

| DEPTH OF WATER | WATER TO BE PUMPED ON AVERAGE DAY LITRES | | | | | | | | | |
|---|--|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|--------------|
| | 3700 | 5000 | 7500 | 10000 | 15000 | 20000 | 25000 | 30000 | 45000 | |
| 5 METRES | 2.5 M | 2.5 M | 2.5 M | 2.5 M | 2.5 M | 2.5 M | 2.5 M | 2.5 M | <u>2.5 M</u> | SIZE MILL |
| | 50 MM | 50 MM | 64 MM | 76 MM | 90 MM | 102 MM | 128 MM | 128 MM | <u>153 MM</u> | SIZE PUMP |
| | 40 MM | 40 MM | 40 MM | 50 MM | 50 MM | 76 MM | 76 MM | 76 MM | <u>76 MM</u> | SIZE PIPE |
| | 12 MM | 12 MM | 12 MM | 12 MM | 12 MM | 12 MM | 12 MM | 12 MM | <u>12 MM</u> | SIZE PUMPROD |
| 10 METRES | 2.5 M | 2.5 M | 2.5 M | 2.5 M | 2.5 M | 2.5 M | <u>2.5 M</u> | 3.0 M | <u>3.0 M</u> | SIZE MILL |
| | 50 MM | 50 MM | 64 MM | 76 MM | 90 MM | 102 MM | <u>128 MM</u> | 128 MM | <u>153 MM</u> | SIZE PUMP |
| | 40 MM | 40 MM | 40 MM | 40 MM | 64 MM | 76 MM | <u>76 MM</u> | 76 MM | <u>76 MM</u> | SIZE PIPE |
| | 12 MM | 12 MM | 12 MM | 12 MM | 12 MM | 12 MM | <u>12 MM</u> | 12 MM | <u>12 MM</u> | SIZE PUMPROD |
| 15 METRES | 2.5 M | 2.5 M | 2.5 M | 2.5 M | <u>2.5 M</u> | 3.0 M | 3.0 M | <u>3.0 M</u> | <u>3.7 M</u> | SIZE MILL |
| | 50 MM | 50 MM | 64 MM | 76 MM | <u>90 MM</u> | 102MM | 128 MM | <u>128 MM</u> | <u>153 MM</u> | SIZE PUMP |
| | 40 MM | 40 MM | 40 MM | 50 MM | <u>50 MM</u> | 64 MM | 76 MM | <u>76 MM</u> | <u>76 MM</u> | SIZE PIPE |
| | 12 MM | 12 MM | 12 MM | 12 MM | <u>12 MM</u> | 16 MM | 16 MM | <u>16 MM</u> | <u>16 MM</u> | SIZE PUMPROD |
| 20 METRES | 2.5 M | 2.5 M | 2.5 M | <u>2.5 M</u> | 3.0 M | <u>3.0 M</u> | 3.7 M | <u>3.7 M</u> | <u>4.3 M</u> | SIZE MILL |
| | 50 MM | 50 MM | 64 MM | <u>76 MM</u> | 90 MM | <u>102 MM</u> | 102 MM | <u>128 MM</u> | <u>153 MM</u> | SIZE PUMP |
| | 40 MM | 40 MM | 40 MM | <u>50 MM</u> | 64 MM | <u>64 MM</u> | 76 MM | <u>76 MM</u> | <u>76 MM</u> | SIZE PIPE |
| | 12 MM | 12 MM | 12 MM | <u>12 MM</u> | 16 MM | <u>16 MM</u> | 16 MM | <u>16 MM</u> | <u>16 MM</u> | SIZE PUMPROD |
| 25 METRES | 2.5 M | 2.5 M | <u>2.5 M</u> | 3 M | <u>3.0 M</u> | 3.7 M | <u>3.7 M</u> | <u>4.3 M</u> | | SIZE MILL |
| | 50 MM | 50 MM | <u>64 MM</u> | 90 MM | <u>102 MM</u> | 102 MM | <u>128 MM</u> | <u>128 MM</u> | | SIZE PUMP |
| | 40 MM | 40 MM | <u>40 MM</u> | 64 MM | <u>76 MM</u> | 76 MM | <u>76 MM</u> | <u>76 MM</u> | | SIZE PIPE |
| | 12 MM | 12 MM | <u>12 MM</u> | 16 MM | <u>16 MM</u> | 16 MM | <u>16 MM</u> | <u>20 MM</u> | | SIZE PUMPROD |
| 30 METRES | 2.5 M | <u>2.5 M</u> | 3.0M | <u>3.0 M</u> | 3.7 M | <u>3.7 M</u> | <u>4.3 M</u> | | | SIZE MILL |
| | 50 MM | <u>50 MM</u> | 64 mm | <u>76 MM</u> | 90MM | <u>102 MM</u> | <u>128 MM</u> | | | SIZE PUMP |
| | 40 MM | <u>40 MM</u> | 40 MM | <u>50 mm</u> | 64 MM | <u>64 MM</u> | <u>64 MM</u> | | | SIZE PIPE |
| | 12 MM | <u>12 MM</u> | 12 MM | <u>16 MM</u> | 16 MM | <u>16 MM</u> | <u>16 MM</u> | | | SIZE PUMPROD |
| 40 METRES | <u>2.5 M</u> | 3.0 M | <u>3.0 M</u> | 3.7 M | <u>3.7 M</u> | <u>4.3 M</u> | | | | SIZE MILL |
| | <u>50 MM</u> | 50 MM | <u>64 MM</u> | 76 MM | <u>76 MM</u> | <u>90 MM</u> | | | | SIZE PUMP |
| | <u>40 MM</u> | 40 MM | <u>40 MM</u> | 50 MM | <u>50 MM</u> | <u>75 MM</u> | | | | SIZE PIPE |
| | <u>12 MM</u> | 12 MM | <u>12 MM</u> | 16 MM | <u>16 MM</u> | <u>16 MM</u> | | | | SIZE PUMPROD |
| 50 METRES | 3.0 M | <u>3.0 M</u> | 3.7 M | <u>3.7 M</u> | <u>4.3 M</u> | | | | | SIZE MILL |
| | 50 MM | <u>50 MM</u> | 64 MM | <u>76 MM</u> | <u>90 MM</u> | | | | | SIZE PUMP |
| | 40 MM | <u>40 MM</u> | 40 MM | <u>50 MM</u> | <u>64 MM</u> | | | | | SIZE PIPE |
| | 12 mm | <u>12 MM</u> | 12 MM | <u>16 MM</u> | <u>16 MM</u> | | | | | SIZE PUMPROD |
| 60 METRES | 3.0 M | <u>3.0 M</u> | <u>3.7 M</u> | <u>4.3 M</u> | | | | | | SIZE MILL |
| | 50 MM | <u>50 MM</u> | <u>64 MM</u> | <u>76 MM</u> | | | | | | SIZE PUMP |
| | 40 MM | <u>40 MM</u> | <u>40 MM</u> | <u>50 MM</u> | | | | | | SIZE PIPE |
| | 12 MM | <u>12 MM</u> | <u>12 MM</u> | <u>16 MM</u> | | | | | | SIZE PUMPROD |
| 70 METRES | <u>3.0 M</u> | 4.3 M | 4.3 M | <u>4.3 M</u> | | | | | | SIZE MILL |
| | <u>50 MM</u> | 64 MM | 76 MM | <u>76 MM</u> | | | | | | SIZE PUMP |
| | <u>40 MM</u> | 40 MM | 50 MM | <u>50 MM</u> | | | | | | SIZE PIPE |
| | <u>12 MM</u> | 12 MM | 12 MM | <u>16 MM</u> | | | | | | SIZE PUMPROD |
| 80 METRES | 3.7 M | <u>3.7 M</u> | <u>4.3 M</u> | | | | | | | SIZE MILL |
| | 50 MM | <u>50 MM</u> | <u>64 MM</u> | | | | | | | SIZE PUMP |
| | 50 MM | <u>50 MM</u> | <u>50 MM</u> | | | | | | | SIZE PIPE |
| | 12 MM | <u>12 MM</u> | <u>12 MM</u> | | | | | | | SIZE PUMPROD |
| 90 METRES | 3.7 M | <u>3.7 M</u> | | | | | | | | SIZE MILL |
| | 50 MM | <u>50 MM</u> | | | | | | | | SIZE PUMP |
| | 40 MM | <u>40 MM</u> | | | | | | | | SIZE PIPE |
| | 12 MM | <u>12 MM</u> | | | | | | | | SIZE PUMPROD |
| 100 METRES | 4.3 M | <u>4.3 M</u> | | | | | | | | SIZE MILL |
| | 50 MM | <u>50 MM</u> | | | | | | | | SIZE PUMP |
| | 40 MM | <u>40 MM</u> | | | | | | | | SIZE PIPE |
| | 12 MM | <u>12 MM</u> | | | | | | | | SIZE PUMPROD |
| 0.3 0.5 0.7 0.9 1.4 1.9 2.4 2.8 4.2 | | | | | | | | | | |
| REQUIRED TESTED BOREHOLE YIELD IN LITRES PER SECOND | | | | | | | | | | |

| | | | |
|--|----------------------------|-------|--------------|
| Tested borehole yield of 1.4 litres per second Borehole depth of 30 metres Required water supply of 15000 litres per day | | 3.7 M | SIZE MILL |
| | Read from table and choose | 90MM | SIZE PUMP |
| | | 64 MM | SIZE PIPE |
| | | 16 MM | SIZE PUMPROD |

SOUTHERN CROSS INDUSTRIES

P.O. BOX 627
BLOEMFONTEIN 9300
TEL: 051 - 4343861
FAX: 051 - 4343575

