

Bare-Shaft Slurry Pumps



The 'SL' Series use a high efficiency open impeller with replaceable wear plate making these pumps versatile and suitable for pumping animal waste with fibers in suspension requiring high operating pressures used in irrigation.

These pumps can be fitted with chopper cone equipment with rotating knives suitable for pulverizing solids, they are ideal to pump slurry with fibers in suspension such as straw and leaves and are capable of handling virtually any waste products that require chopping. Thanks to the oil bath overgear and various transmission ratios available, these pumps can be coupled to a diesel engine or electric motor with coupling or pulleys.

Rovatti SL Series Performances

| Suction X Discharge | RPM | Pump Model (Chopper) | Impeller | Capacity (G.P.M.) | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---------------------|----------------------|----------|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | | | | 158 | 185 | 211 | 237 | 264 | 290 | 317 | 343 | 369 | 396 | 422 | 449 | 475 | 502 | 528 | 581 | 634 | 686 | 739 | 792 | 845 | |
| 80 x 65 | 1750 | SL2-85GA (TCK 85S) | E PSI | 25 | 25 | 24 | 23 | 22 | 21 | 19 | 17 | 15 | | | | | | | | | | | | | |
| | | | E HP | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | | | | | | | | | | | | | |
| | | | E PSI | 33 | 33 | 32 | 32 | 31 | 30 | 28 | 26 | 24 | 21 | | | | | | | | | | | | |
| | | | E HP | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 9 | 9 | | | | | | | | | | | | |
| | | | E PSI | 40 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 32 | 30 | 27 | 23 | | | | | | | | | | |
| | 2600 | | E HP | 7 | 8 | 8 | 9 | 9 | 10 | 10 | 11 | 11 | 11 | 12 | 12 | | | | | | | | | | |
| | | | E PSI | 56 | 55 | 55 | 55 | 55 | 54 | 53 | 52 | 50 | 48 | 46 | 43 | 39 | 35 | | | | | | | | |
| | | | E HP | 11 | 12 | 12 | 13 | 14 | 15 | 15 | 16 | 17 | 17 | 18 | 18 | 19 | 19 | | | | | | | | |
| | | | E PSI | 70 | 70 | 69 | 69 | 68 | 67 | 66 | 64 | 63 | 61 | 59 | 57 | 53 | 48 | | | | | | | | |
| | | | E HP | 15 | 16 | 17 | 18 | 19 | 19 | 20 | 21 | 22 | 22 | 23 | 24 | 24 | 25 | | | | | | | | |
| 1750 | SL3-80GA (TCK 80) | E PSI | 49 | 48 | 48 | 46 | 45 | 43 | 41 | 38 | 35 | 32 | | | | | | | | | | | | | |
| | | E HP | 9 | 9 | 10 | 10 | 11 | 11 | 12 | 12 | 13 | 13 | | | | | | | | | | | | | |
| | | E PSI | 65 | 64 | 63 | 62 | 61 | 59 | 57 | 55 | 53 | 49 | 46 | | | | | | | | | | | | |
| | | E HP | 12 | 13 | 14 | 15 | 15 | 16 | 17 | 17 | 18 | 19 | 19 | | | | | | | | | | | | |
| | | E PSI | 78 | 78 | 77 | 76 | 75 | 74 | 72 | 70 | 68 | 65 | 62 | 58 | 54 | | | | | | | | | | |
| 2600 | | E HP | 16 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 22 | 23 | 24 | 25 | 26 | | | | | | | | | | |
| | | E PSI | 110 | 110 | 109 | 108 | 107 | 106 | 104 | 102 | 100 | 98 | 96 | 93 | 88 | | | | | | | | | | |
| | | E HP | 24 | 25 | 27 | 28 | 29 | 30 | 31 | 33 | 34 | 35 | 36 | 38 | 39 | 40 | | | | | | | | | |
| | | E PSI | 136 | 135 | 135 | 134 | 133 | 132 | 131 | 130 | 128 | 126 | 124 | 121 | 117 | 110 | | | | | | | | | |
| | | E HP | 33 | 34 | | | | | | | | | | | | | | | | | | | | | |
| 100 x 80 | 1750 | SL3-110GA (TCK 110) | E PSI | | | 34 | 33 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 25 | 23 | | | | | | | | | |
| | | | E HP | | | 8 | 8 | 8 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | | | | | | | | | |
| | | | E PSI | | | 44 | 43 | 43 | 43 | 42 | 41 | 40 | 39 | 38 | 36 | 35 | 33 | 31 | | | | | | | |
| | | | E HP | | | 11 | 11 | 12 | 12 | 12 | 13 | 13 | 14 | 14 | 14 | 15 | 15 | | | | | | | | |
| | | | E PSI | | | 53 | 53 | 52 | 52 | 51 | 50 | 49 | 48 | 47 | 46 | 45 | 43 | 42 | 38 | | | | | | |
| | 2600 | | E HP | | | 14 | 14 | 15 | 15 | 16 | 16 | 17 | 17 | 18 | 18 | 19 | 19 | 20 | | | | | | | |
| | | | E PSI | | | 75 | 75 | 74 | 74 | 73 | 72 | 71 | 70 | 68 | 67 | 66 | 64 | 61 | 58 | | | | | | |
| | | | E HP | | | 21 | 22 | 23 | 24 | 24 | 25 | 26 | 27 | 28 | 29 | 29 | 30 | 31 | 32 | | | | | | |
| | | | E PSI | | | 92 | 92 | 91 | 90 | 90 | 89 | 88 | 87 | 86 | 85 | 84 | 81 | 77 | 72 | 62 | | | | | |
| | | | E HP | | | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 37 | 38 | 39 | 40 | 42 | 43 | 44 | 45 | | | | | |
| 1750 | SL3-106GA (TCK 100) | E PSI | 55 | 54 | 54 | 53 | 53 | 52 | 51 | 50 | 49 | 47 | 46 | 44 | 42 | 40 | 38 | 33 | | | | | | | |
| | | E HP | 11 | 12 | 12 | 13 | 14 | 14 | 15 | 15 | 16 | 16 | 16 | 17 | 17 | 17 | 18 | 18 | | | | | | | |
| | | E PSI | | | 72 | 71 | 70 | 69 | 69 | 68 | 67 | 65 | 64 | 62 | 60 | 58 | 56 | 52 | 47 | 43 | | | | | |
| | | E HP | | | 18 | 18 | 19 | 20 | 21 | 21 | 22 | 23 | 24 | 24 | 25 | 25 | 26 | 26 | 27 | 28 | | | | | |
| | | E PSI | | | 88 | 87 | 87 | 86 | 85 | 84 | 83 | 82 | 80 | 79 | 77 | 75 | 73 | 69 | 64 | 59 | | | | | |
| | | E HP | | | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | | | | | | |
| | | E PSI | | | 122 | 122 | 121 | 120 | 119 | 119 | 118 | 117 | 116 | 114 | 113 | 111 | 109 | 106 | 102 | 98 | | | | | |
| | | E HP | | | 35 | 36 | 37 | 39 | 40 | 41 | 43 | 44 | 45 | 47 | 48 | 49 | 50 | 52 | 54 | 55 | | | | | |
| | | E PSI | | | 153 | 152 | 152 | 150 | 150 | 149 | 147 | 147 | 146 | 145 | 143 | 141 | 140 | 135 | 131 | 125 | 119 | 110 | | | |
| | | E HP | | | 47 | 49 | 50 | 52 | 53 | 55 | 57 | 58 | 60 | 62 | 63 | 65 | 66 | 69 | 71 | 74 | 76 | 78 | | | |
| 1750 | SL3-101GA (TCK 101) | E PSI | 71 | 70 | 70 | 69 | 68 | 67 | 66 | 65 | 64 | 62 | 61 | 59 | 57 | 55 | 53 | 49 | 44 | | | | | | |
| | | E HP | 17 | 17 | 18 | 19 | 20 | 21 | 21 | 22 | 23 | 24 | 25 | 25 | 26 | 26 | 27 | 28 | | | | | | | |
| | | E PSI | | | 91 | 91 | 90 | 89 | 88 | 87 | 86 | 85 | 83 | 82 | 80 | 78 | 76 | 72 | 68 | 62 | 56 | | | | |
| | | E HP | | | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 35 | 36 | 37 | 38 | 39 | 41 | 42 | | | | |
| | | E PSI | | | 112 | 111 | 110 | 110 | 109 | 108 | 107 | 106 | 105 | 104 | 102 | 101 | 99 | 96 | 91 | 85 | 79 | 72 | | | |
| 2600 | | E HP | | | 33 | 35 | 36 | 37 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 48 | 50 | 52 | 54 | 55 | | | | |
| | | E PSI | | | 157 | 157 | 156 | 156 | 155 | 153 | 153 | 152 | 150 | 149 | 147 | 146 | 145 | 141 | 136 | 131 | 125 | 119 | 112 | | |
| | | E HP | | | 52 | 54 | 56 | 57 | 59 | 61 | 63 | 65 | 66 | 68 | 70 | 72 | 73 | 76 | 79 | 82 | 84 | 87 | 90 | | |
| | | E PSI | | | 167 | 166 | 166 | 165 | 165 | 163 | 163 | 162 | 160 | 160 | 159 | 157 | 156 | 153 | 147 | 142 | 136 | 126 | | | |
| | | E HP | | | 54 | 56 | 59 | 61 | 63 | 65 | 67 | 69 | 71 | 73 | 75 | 77 | 79 | 83 | 87 | 90 | 93 | 96 | | | |

Performance data has been obtained under ideal test conditions and may be adversely affected by poor hydraulic entrance conditions or other factors. No representation regarding pressures and horsepower or suitability for a particular application is made herein.