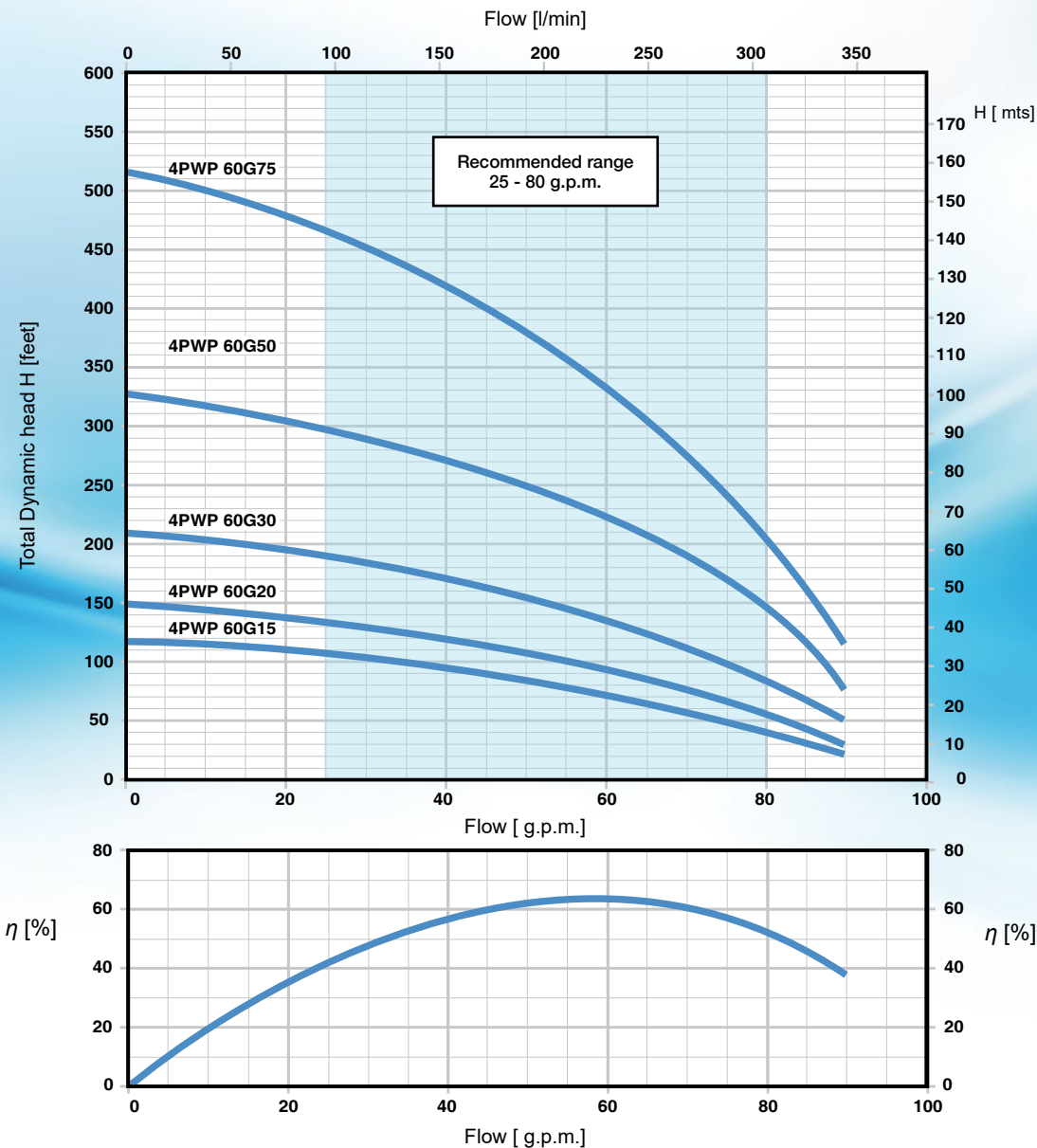


Pearl®

4PWP 60

Performance Curves at 3450 r.p.m.

2" DISCHARGE



Selection Chart

| MODEL | STAGES | MOTOR | | Q = FLOW | | | | | | | | | | | | | | | | PUMP END | | | | | | | | | | | | | | | | | |
|---------------------------------|--------|-------|-----|----------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|--------|-----|-----|-----|-----|----|-----|----|-----|----|-----|----|-----|------|------|------|------|
| | | KW | HP | l/min | 0 | 80 | 90 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 340 | LENGTH | WEIGHT | | | | | | | | | | | | | | | | |
| | | | | gpm | 0 | 21.2 | 23.8 | 26.5 | 31.7 | 37.0 | 42.3 | 47.6 | 52.9 | 58.2 | 63.5 | 68.8 | 74.1 | 79.4 | 89.9 | | | | | | | | | | | | | | | | | | |
| H = TOTAL HEAD IN METERS / FEET | | | | | | | | | | | | | | | | | | | | | | mm | in | kgs | lbs | | | | | | | | | | | | |
| m | ft | m | ft | m | ft | m | ft | m | ft | m | ft | m | ft | m | ft | m | ft | m | ft | m | ft | | | | | | | | | | | | | | | | |
| 4PWP 60G15 | 4 | 1.1 | 1.5 | 36 | 118 | 34 | 112 | 33 | 108 | 32 | 105 | 31 | 102 | 30 | 98 | 28 | 92 | 26 | 85 | 24 | 79 | 22 | 72 | 19 | 62 | 17 | 56 | 14 | 46 | 12 | 39 | 6 | 20 | 378 | 14.9 | 3.9 | 8.6 |
| 4PWP 60G20 | 5 | 1.5 | 2 | 46 | 151 | 43 | 141 | 42 | 138 | 41 | 134 | 39 | 128 | 37 | 121 | 36 | 118 | 34 | 112 | 32 | 105 | 29 | 95 | 26 | 85 | 23 | 75 | 20 | 66 | 17 | 56 | 9 | 30 | 430 | 16.9 | 4.4 | 9.7 |
| 4PWP 60G30 | 7 | 2.2 | 3 | 64 | 210 | 59 | 194 | 58 | 190 | 57 | 187 | 55 | 180 | 53 | 174 | 51 | 167 | 48 | 157 | 45 | 148 | 42 | 138 | 38 | 125 | 34 | 112 | 30 | 98 | 25 | 82 | 15 | 49 | 534 | 21 | 5.3 | 11.7 |
| 4PWP 60G50 | 11 | 4 | 5 | 100 | 328 | 96 | 315 | 93 | 305 | 90 | 295 | 87 | 285 | 83 | 272 | 80 | 262 | 75 | 246 | 71 | 233 | 67 | 220 | 60 | 197 | 54 | 177 | 48 | 157 | 41 | 134 | 24 | 79 | 742 | 29.2 | 7.2 | 15.9 |
| 4PWP 60G75 | 17 | 5.5 | 7.5 | 157 | 515 | 144 | 472 | 142 | 466 | 140 | 459 | 136 | 446 | 131 | 430 | 126 | 413 | 119 | 390 | 112 | 367 | 104 | 341 | 95 | 312 | 85 | 279 | 73 | 239 | 61 | 200 | 35 | 115 | 1092 | 43 | 10.1 | 22.3 |

HP Range: 1.5 - 7.5 HP

Recommended Flow Range: 25 - 80 g.p.m.

| MODEL | HP | PSI | DEPTH TO WATER IN FEET / FLOW IN GPM | | | | | | | | | | | | | | | | | | | |
|---------------------|-----|-----|--------------------------------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 120 | 140 | 160 | 180 | 200 | 240 | 280 | 300 | 320 | |
| 4PWP 60G15 | 1.5 | 0 | | 90 | 85 | 79 | 74 | 67 | 61 | 53 | 44 | 35 | | | | | | | | | | |
| | | 20 | 70 | 67 | 61 | 53 | 44 | 35 | 18 | | | | | | | | | | | | | |
| | | 30 | 53 | 44 | 35 | 18 | 5 | | | | | | | | | | | | | | | |
| | | 40 | 34 | 17 | | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | 51 | 47 | 42 | 38 | 34 | 29 | 25 | 21 | 16 | 12 | 8 | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|----|------|----|-----|------|----|----|----|----|----|-----|----|------|--|--|--|--|--|--|--|--|
| 4PWP 60G20 | 2 | 0 | | | 90 | 84 | 82 | 78 | 73 | 67 | 62 | 55 | 39 | 12.5 | | | | | | | | |
| | | 20 | 80 | 75 | 70 | 65 | 58 | 51 | 43 | 34 | 21 | 7.5 | | | | | | | | | | |
| | | 30 | 67.5 | 62 | 55 | 47.5 | 39 | 28 | 15 | 5 | | | | | | | | | | | | |
| | | 40 | 53 | 45 | 42 | 25 | 14 | | | | | | | | | | | | | | | |
| | | 50 | 37 | 22 | 7.5 | | | | | | | | | | | | | | | | | |
| Shut-off PSI | | 65 | 61 | 57 | 52 | 48 | 44 | 39 | 35 | 31 | 26 | 22 | 13 | 5 | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---|------|------|------|----|------|------|----|----|------|----|----|----|----|-----|----|--|--|--|--|--|--|
| 4PWP 60G30 | 3 | 0 | | | | 90 | 87.5 | 84 | 81 | 77 | 73 | 66 | 57 | 46 | 33 | | | | | | | |
| | | 20 | 89 | 86 | 80 | 77.5 | 75 | 73 | 70 | 65 | 60 | 55 | 43 | 30 | 7.5 | | | | | | | |
| | | 30 | 80 | 78 | 74 | 70 | 66 | 62 | 57 | 52 | 46 | 40 | 25 | 5 | | | | | | | | |
| | | 40 | 72.5 | 70 | 65 | 61 | 56 | 50 | 43 | 37 | 30 | 20 | 5 | | | | | | | | | |
| | | 50 | 65 | 60 | 55 | 48 | 43 | 37 | 30 | 17.5 | 7 | | | | | | | | | | | |
| | | 60 | 52.5 | 47.5 | 40 | 33 | 24 | 15 | 5 | | | | | | | | | | | | | |
| Shut-off PSI | | 90.9 | 87 | 82 | 78 | 74 | 69 | 65 | 61 | 56 | 52 | 48 | 39 | 30 | 22 | 13 | | | | | | |

| MODEL | HP | PSI | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 320 | 340 | 360 | 380 | 400 | 420 | 440 | 460 | 480 | 500 |
|---------------------|----|-----|------|------|------|-----|------|-----|------|------|------|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4PWP 60G50 | 5 | 0 | | | | 90 | 87.5 | 84 | 81 | 77 | 72.5 | 67 | 60 | 53 | 44 | 28.5 | 22.5 | | | | | | | | | | |
| | | 20 | | 89 | 87 | 84 | 80 | 77 | 72 | 67 | 59 | 52 | 43 | 27 | 19 | 5 | 2.5 | | | | | | | | | | |
| | | 30 | 90 | 86 | 83.5 | 78 | 75 | 69 | 66 | 62.5 | 50 | 40 | 28 | 16 | 2.5 | | | | | | | | | | | | |
| | | 40 | 86 | 82.5 | 78 | 74 | 70 | 65 | 56 | 48 | 39 | 27 | 16 | | | | | | | | | | | | | | |
| | | 50 | 82.5 | 78 | 74 | 69 | 62 | 55 | 47 | 38 | 26 | 15 | | | | | | | | | | | | | | | |
| | | 60 | 77.5 | 72.5 | 67 | 60 | 53 | 44 | 28.5 | 22 | 5 | | | | | | | | | | | | | | | | |
| Shut-off PSI | | 142 | 133 | 125 | 116 | 107 | 99 | 90 | 81 | 73 | 64 | 55 | 47 | 38 | 29 | 21 | 12 | | | | | | | | | | |

| MODEL | HP | PSI | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 340 | 380 | 420 | 460 | 500 | 540 | 580 | 620 | 660 | 700 |
|---------------------|-----|-----|------|------|------|------|------|------|------|-----|------|------|------|-----|-----|-----|------|-----|------|-----|------|-----|-----|-----|-----|-----|-----|
| 4PWP 60G75 | 7.5 | 0 | | | | | | 89 | 87.5 | 85 | 82.5 | 80 | 78 | 75 | 72 | 69 | 66 | 62 | 50 | 39 | 26.5 | | | | | | |
| | | 20 | | | | 89 | 87.5 | 85 | 82.5 | 80 | 77 | 74 | 71 | 67 | 65 | 61 | 57 | 49 | 38 | 25 | 7.5 | | | | | | |
| | | 30 | | | 88.5 | 87.5 | 85 | 82.5 | 79 | 75 | 73 | 70.5 | 67.5 | 64 | 60 | 56 | 52.5 | 42 | 32.5 | 15 | | | | | | | |
| | | 40 | 90 | 88 | 86.5 | 82.5 | 81 | 78 | 76 | 73 | 70 | 67 | 63 | 59 | 55 | 51 | 46 | 35 | 22.5 | 2.5 | | | | | | | |
| | | 50 | 87.5 | 86 | 82.5 | 81 | 79 | 76 | 73 | 69 | 67 | 63 | 57 | 55 | 50 | 46 | 41 | 19 | 17.5 | | | | | | | | |
| | | 60 | 86 | 82.5 | 80 | 78 | 75 | 72 | 69 | 66 | 62 | 58 | 54 | 50 | 45 | 40 | 35 | 20 | | | | | | | | | |
| Shut-off PSI | | 223 | 214 | 206 | 197 | 188 | 180 | 171 | 162 | 154 | 145 | 136 | 128 | 119 | 110 | 102 | 93 | 76 | 58 | 41 | 24 | | | | | | |

* Friction losses in pipe have not been calculated

Weight and Dimensions with Pearl 4" Motors

| MODEL | HP | KW | PUMP END H1 | | | | 1 PH MOTOR - 3W | | | | | | 1 PH MOTOR - 2W | | | | | | 3 PH MOTOR - 3W | | | | | |
|------------|-----|------|-------------|-------|--------|------|-----------------|------|--------------|-------|------|------|-----------------|------|--------------|------|------|------|-----------------|------|--------------|-------|------|------|
| | | | HEIGHT | | WEIGHT | | MOTOR H2 | | PUMP + MOTOR | | | | MOTOR H2 | | PUMP + MOTOR | | | | MOTOR H2 | | PUMP + MOTOR | | | |
| | | | inch | cm | lbs | kg | inch | cm | inch | cm | lbs | kg | inch | cm | inch | cm | lbs | kg | inch | cm | inch | cm | lbs | kg |
| 4PWP 25G10 | 1 | 0.75 | 12.6 | 32.0 | 6.9 | 3.1 | 11.3 | 28.6 | 23.9 | 60.6 | 26.7 | 12.1 | 17.9 | 45.5 | 30.5 | 77.5 | 27.4 | 12.4 | 10.5 | 26.6 | 23.1 | 58.6 | 24.5 | 11.1 |
| 4PWP 25G15 | 1.5 | 1.1 | 14.6 | 37.0 | 7.7 | 3.5 | 13.0 | 33.1 | 27.6 | 70.1 | 32.0 | 14.5 | 19.7 | 50.0 | 34.3 | 87.0 | 32.7 | 14.8 | 11.3 | 28.6 | 25.8 | 65.6 | 27.6 | 12.5 |
| 4PWP 25G20 | 2 | 1.5 | 16.5 | 41.9 | 8.6 | 3.9 | 15.5 | 39.3 | 32.0 | 81.2 | 37.3 | 16.9 | | | | | | | 13.7 | 34.8 | 30.2 | 76.7 | 32.9 | 14.9 |
| 4PWP 25G30 | 3 | 2.2 | 20.4 | 51.8 | 10.4 | 4.7 | 16.3 | 41.3 | 36.7 | 93.1 | 40.9 | 18.5 | | | | | | | 15.5 | 39.3 | 35.9 | 91.1 | 39.1 | 17.7 |
| 4PWP 25G50 | 5 | 3.7 | 32.5 | 82.6 | 15.7 | 7.1 | 26.9 | 68.4 | 59.4 | 151.0 | 74.3 | 33.6 | | | | | | | 24.2 | 61.4 | 56.7 | 144.0 | 66.5 | 30.1 |
| 4PWP 35G10 | 1 | 0.75 | 14.1 | 35.9 | 7.5 | 3.4 | 11.3 | 28.6 | 25.4 | 64.5 | 27.4 | 12.4 | 17.9 | 45.5 | 31.8 | 80.8 | 28.1 | 12.7 | 10.5 | 26.6 | 24.6 | 62.5 | 25.2 | 11.4 |
| 4PWP 35G15 | 1.5 | 1.1 | 16.6 | 42.1 | 8.8 | 4.0 | 13.0 | 33.1 | 29.6 | 75.2 | 33.2 | 15.0 | 19.7 | 50.0 | 36.3 | 92.1 | 33.8 | 15.3 | 11.3 | 28.6 | 27.8 | 70.7 | 28.7 | 13.0 |
| 4PWP 35G20 | 2 | 1.5 | 19.0 | 48.3 | 10.2 | 4.6 | 15.5 | 39.3 | 34.5 | 87.6 | 38.9 | 17.6 | | | | | | | 13.7 | 34.8 | 32.7 | 83.1 | 34.5 | 15.6 |
| 4PWP 35G30 | 3 | 2.2 | 23.9 | 60.7 | 12.6 | 5.7 | 16.3 | 41.3 | 40.2 | 102.0 | 43.1 | 19.5 | | | | | | | 15.5 | 39.3 | 39.4 | 100.0 | 41.3 | 18.7 |
| 4PWP 35G50 | 5 | 3.7 | 35.2 | 89.3 | 17.9 | 8.1 | 26.9 | 68.4 | 62.1 | 157.7 | 76.5 | 34.6 | | | | | | | 24.2 | 61.4 | 59.3 | 150.7 | 68.7 | 31.1 |
| 4PWP 35G75 | 7.5 | 5.5 | 49.5 | 125.7 | 25.6 | 11.6 | | | | | | | | | | | | | 26.9 | 68.4 | 76.4 | 194.1 | 84.4 | 38.2 |
| 4PWP 40G15 | 1.5 | 1.1 | 12.8 | 32.5 | 6.9 | 3.1 | 13.0 | 33.1 | 25.8 | 65.6 | 31.2 | 14.1 | 19.7 | 50.0 | 32.5 | 82.5 | 31.8 | 14.4 | 11.3 | 28.6 | 24.1 | 61.1 | 26.7 | 12.1 |
| 4PWP40G20 | 2 | 1.5 | 14.0 | 35.6 | 7.5 | 3.4 | 15.5 | 39.3 | 29.5 | 74.9 | 36.2 | 16.4 | | | | | | | 13.7 | 34.8 | 27.7 | 70.4 | 31.8 | 14.4 |
| 4PWP 40G30 | 3 | 2.2 | 16.5 | 41.8 | 8.8 | 4.0 | 16.3 | 41.3 | 32.7 | 83.1 | 39.3 | 17.8 | | | | | | | 15.5 | 39.3 | 31.9 | 81.1 | 37.6 | 17.0 |
| 4PWP 40G50 | 5 | 3.7 | 23.8 | 60.4 | 12.6 | 5.7 | 26.9 | 68.4 | 50.7 | 128.8 | 71.2 | 32.2 | | | | | | | 24.2 | 61.4 | 48.0 | 121.8 | 63.4 | 28.7 |
| 4PWP 40G75 | 7.5 | 5.5 | 33.8 | 85.9 | 17.2 | 7.8 | | | | | | | | | | | | | 26.9 | 68.4 | 60.7 | 154.3 | 76.0 | 34.4 |
| 4PWP 55G15 | 1.5 | 1.1 | 17.0 | 43.3 | 9.5 | 4.3 | 13.0 | 33.1 | 30.1 | 76.4 | 33.8 | 15.3 | 19.7 | 50.0 | 36.7 | 93.3 | 34.5 | 15.6 | 11.3 | 28.6 | 28.3 | 71.9 | 29.4 | 13.3 |
| 4PWP 55G20 | 2 | 1.5 | 21.1 | 53.7 | 11.7 | 5.3 | 15.5 | 39.3 | 36.6 | 93.0 | 40.4 | 18.3 | | | | | | | 13.7 | 34.8 | 34.8 | 88.5 | 36.0 | 16.3 |
| 4PWP 55G30 | 3 | 2.2 | 25.2 | 64.1 | 13.7 | 6.2 | 16.3 | 41.3 | 41.5 | 105.4 | 44.2 | 20.0 | | | | | | | 15.5 | 39.3 | 40.7 | 103.4 | 42.4 | 19.2 |
| 4PWP 55G50 | 5 | 3.7 | 37.5 | 95.3 | 19.9 | 9.0 | 26.9 | 68.4 | 64.4 | 163.7 | 78.5 | 35.5 | | | | | | | 24.2 | 61.4 | 61.7 | 156.7 | 70.7 | 32.0 |
| 4PWP 55G75 | 7.5 | 5.5 | 53.0 | 134.5 | 27.2 | 12.3 | | | | | | | | | | | | | 26.9 | 68.4 | 79.9 | 202.9 | 86.0 | 38.9 |
| 4PWP 60G15 | 1.5 | 1.1 | 14.9 | 37.8 | 8.6 | 3.9 | 13.0 | 33.1 | 27.9 | 70.9 | 32.9 | 14.9 | 19.7 | 50.0 | 34.6 | 87.8 | 33.6 | 15.2 | 11.3 | 28.6 | 26.1 | 66.4 | 28.5 | 12.9 |
| 4PWP 60G20 | 2 | 1.5 | 16.9 | 43.0 | 9.7 | 4.4 | 15.5 | 39.3 | 32.4 | 82.3 | 38.5 | 17.4 | | | | | | | 13.7 | 34.8 | 30.6 | 77.8 | 34.0 | 15.4 |
| 4PWP 60G30 | 3 | 2.2 | 21.0 | 53.4 | 11.7 | 5.3 | 16.3 | 41.3 | 37.3 | 94.7 | 42.2 | 19.1 | | | | | | | 15.5 | 39.3 | 36.5 | 92.7 | 40.4 | 18.3 |
| 4PWP 60G50 | 5 | 3.7 | 29.2 | 74.2 | 15.9 | 7.2 | 26.9 | 68.4 | 56.1 | 142.6 | 74.5 | 33.7 | | | | | | | 24.2 | 61.4 | 53.4 | 135.6 | 66.7 | 30.2 |
| 4PWP 60G75 | 7.5 | 5.5 | 43.0 | 109.2 | 22.3 | 10.1 | | | | | | | | | | | | | 26.9 | 68.4 | 69.9 | 177.6 | 81.1 | 36.7 |
| 4PWP 80G30 | 3 | 2.2 | 18.6 | 47.2 | 9.7 | 4.4 | 16.3 | 41.3 | 34.8 | 88.5 | 40.2 | 18.2 | | | | | | | 15.5 | 39.3 | 34.1 | 86.5 | 38.5 | 17.4 |
| 4PWP 80G50 | 5 | 3.7 | 29.3 | 74.3 | 12.4 | 5.6 | 26.9 | 68.4 | 56.2 | 142.7 | 70.9 | 32.1 | | | | | | | 24.2 | 61.4 | 53.4 | 135.7 | 63.2 | 28.6 |
| 4PWP 80G75 | 7.5 | 5.5 | 42.6 | 108.1 | 21.9 | 9.9 | | | | | | | | | | | | | 26.9 | 68.4 | 69.5 | 176.5 | 80.7 | 36.5 |