

# 4BLOCK

4" monoblock submersible pumps



## PERFORMANCE RANGE

Capacity up to 40 g.p.m

Head up to 442 ft

## OPERATING LIMITS

Liquid temperature up to +86°F

Submersion depth up to 131 feet

## CONSTRUCTION AND SAFETY STANDARDS

EN 60 335-1

EN 60034-1

IEC 335-1

IEC 34-1

CEI 61-150

CEI 2-3



## INSTALLATION AND USE

THEY ARE RECOMMENDED FOR PUMPING CLEAN WATER DUE TO THEIR HIGH EFFICIENCY AND RELIABILITY, THEY ARE RECOMMENDED FOR DOMESTIC WATER SUPPLIES AS PART OF A PRESSURE SET, OR FOR IRRIGATION.

## CONSTRUCTION CHARACTERISTICS

- **DELIVERY BODY:** stainless steel AISI 304 with threaded port.
- **CASE:** stainless steel AISI 304.
- **IMPELLERS AND DIFFUSERS:** technopolymer.
- **DIFFUSER HOUSING:** stainless steel AISI 304.
- **PUMP SHAFT:** stainless steel AISI 304.
- **PUMP BEARINGS:** housing in special technopolymer with stainless steel AISI 316 shaft bushes, chrome oxide coated to resist sand.
- **DRIVE COUPLING:** stainless steel AISI 316L.
- **SCREWS AND CABLE COVER:** stainless steel AISI 304.
- **MOTOR SHAFT:** stainless steel AISI 316 (EN 10088-3 - 1.4104 up to 0.7 HP).
- **MOTOR:** submersible for continuous duty (dry rewindable).  
4BLOCK: single-phase 230 V - 60 Hz.
- **INSULATION:** class F. • **PROTECTION:** IP 68.
- **DOUBLE SEAL:** mechanical seal ceramic - graphite - NBR with oil barrier chamber and inner lip seal to protect the seal in the event of dry running.

## STANDARD FEATURES:

**4BLOCK** (single-phase) Motor thermal protection built into the winding.  
Internal capacitor.  
65 ft power cord.

## OPTIONS ON REQUEST

- 100 ft power cord
- other voltages or frequency 50 Hz

**WARRANTY: 2 YEAR** (according to our general sale conditions).



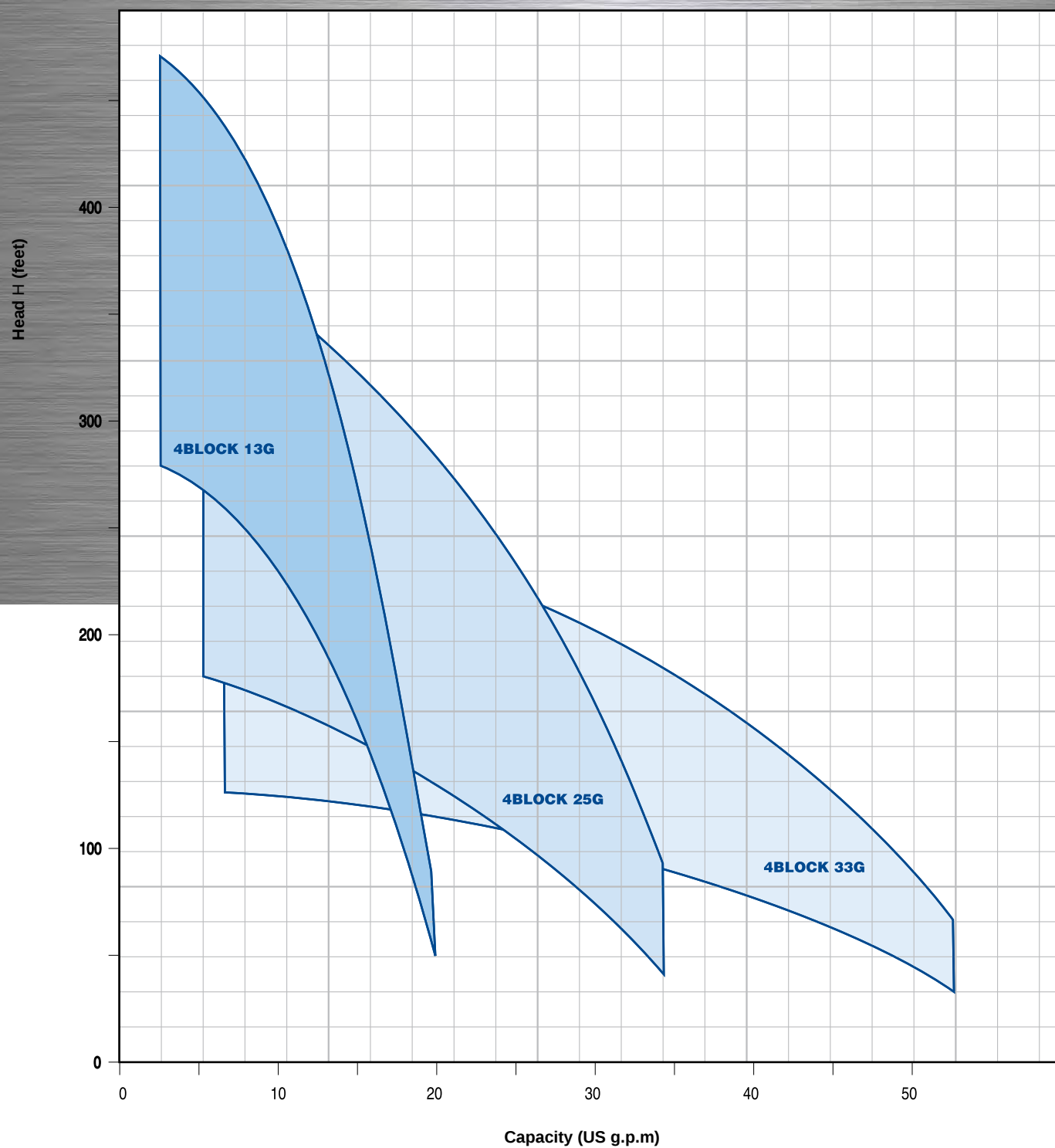
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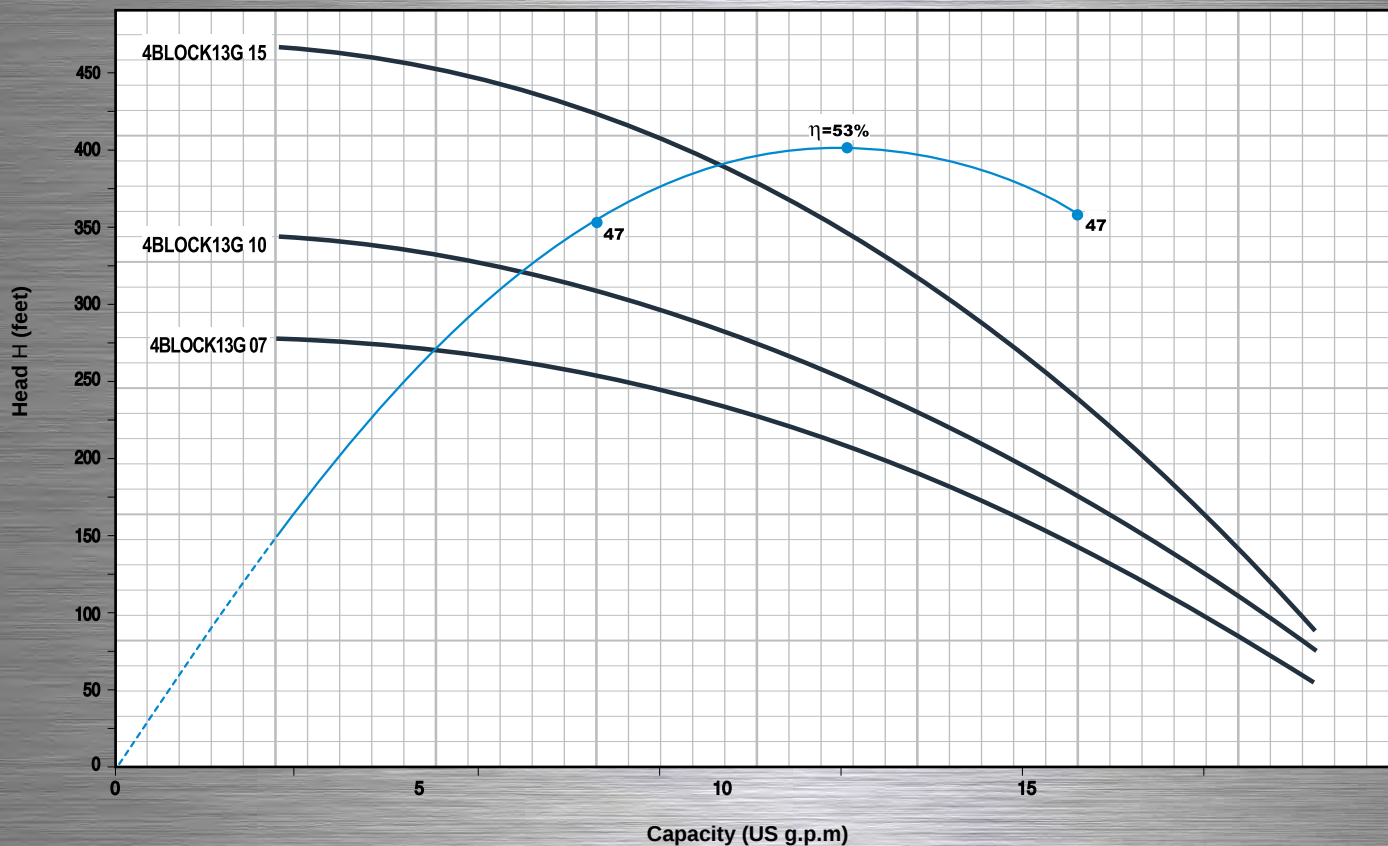
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CURVES AND PERFORMANCE DATA



| MODEL        | HP   | PSI | DEPTH TO WATER IN FEET/RATINGS IN GPM |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--------------|------|-----|---------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|              |      |     | 20                                    | 40  | 60  | 80  | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 | 260 | 280 | 300 | 340 | 380 | 420 | 460 |
| 4BLOCK13G07  | 0.70 | 0   |                                       |     |     |     | 18  | 17  | 16  | 15  | 14  | 12  | 11  | 9   | 7   |     |     |     |     |     |     |
|              |      | 20  |                                       |     | 17  | 16  | 15  | 14  | 12  | 11  | 10  | 7   | 5   |     |     |     |     |     |     |     |     |
|              |      | 30  |                                       | 17  | 16  | 15  | 14  | 12  | 11  | 10  | 8   | 4   |     |     |     |     |     |     |     |     |     |
|              |      | 40  | 17                                    | 16  | 15  | 14  | 12  | 11  | 10  | 8   | 4   |     |     |     |     |     |     |     |     |     |     |
|              |      | 50  | 16                                    | 15  | 14  | 12  | 10  | 9   | 6   | 2   |     |     |     |     |     |     |     |     |     |     |     |
|              |      | 60  | 15                                    | 14  | 12  | 11  | 9   | 6   | 2   |     |     |     |     |     |     |     |     |     |     |     |     |
| Shut-off PSI |      |     | 117                                   | 108 | 100 | 91  | 82  | 74  | 65  | 56  | 48  | 39  | 30  | 22  | 13  |     |     |     |     |     |     |
| 4BLOCK13G10  | 1    | 0   | 12                                    |     |     |     |     | 18  | 17  | 16  | 16  | 15  | 14  | 13  | 12  | 10  | 9   | 3.2 |     |     |     |
|              |      | 20  |                                       |     |     | 18  | 17  | 16  | 15  | 14  | 13  | 12  | 11  | 10  | 8   | 6   | 2   |     |     |     |     |
|              |      | 30  |                                       |     | 18  | 17  | 16  | 15  | 14  | 13  | 12  | 11  | 10  | 8   | 6   | 2   |     |     |     |     |     |
|              |      | 40  |                                       | 18  | 17  | 16  | 15  | 14  | 13  | 12  | 11  | 10  | 8   | 6   | 2   |     |     |     |     |     |     |
|              |      | 50  | 17                                    | 16  | 15  | 14  | 14  | 13  | 12  | 10  | 9   | 7   | 3   |     |     |     |     |     |     |     |     |
|              |      | 60  | 17                                    | 16  | 15  | 14  | 13  | 11  | 11  | 9   | 7   | 3   |     |     |     |     |     |     |     |     |     |
| Shut-off PSI |      |     | 145                                   | 136 | 128 | 119 | 110 | 102 | 93  | 84  | 76  | 67  | 58  | 50  | 41  | 32  | 24  | 9   |     |     |     |
| 4BLOCK13G15  | 1.5  | 0   |                                       |     |     |     |     |     |     | 18  | 18  | 17  | 16  | 16  | 15  | 14  | 14  | 12  | 10  | 8   | 4   |
|              |      | 20  |                                       |     |     |     | 18  | 18  | 17  | 17  | 16  | 15  | 15  | 14  | 13  | 13  | 12  | 10  | 7   | 3   |     |
|              |      | 30  |                                       |     |     | 18  | 18  | 18  | 17  | 16  | 15  | 15  | 14  | 13  | 13  | 12  | 11  | 9   | 6   | 2   |     |
|              |      | 40  |                                       |     | 18  | 18  | 17  | 17  | 16  | 16  | 15  | 14  | 13  | 13  | 12  | 11  | 10  | 7   | 2   |     |     |
|              |      | 50  |                                       | 18  | 18  | 17  | 16  | 16  | 15  | 15  | 14  | 13  | 12  | 11  | 10  | 9   | 8   | 4   |     |     |     |
|              |      | 60  | 18                                    | 18  | 17  | 16  | 16  | 15  | 14  | 14  | 13  | 13  | 11  | 10  | 9   | 8   | 5   |     |     |     |     |
| Shut-off PSI |      |     | 199                                   | 190 | 182 | 173 | 165 | 156 | 147 | 139 | 130 | 121 | 113 | 104 | 95  | 87  | 78  | 61  | 43  | 26  | 9   |



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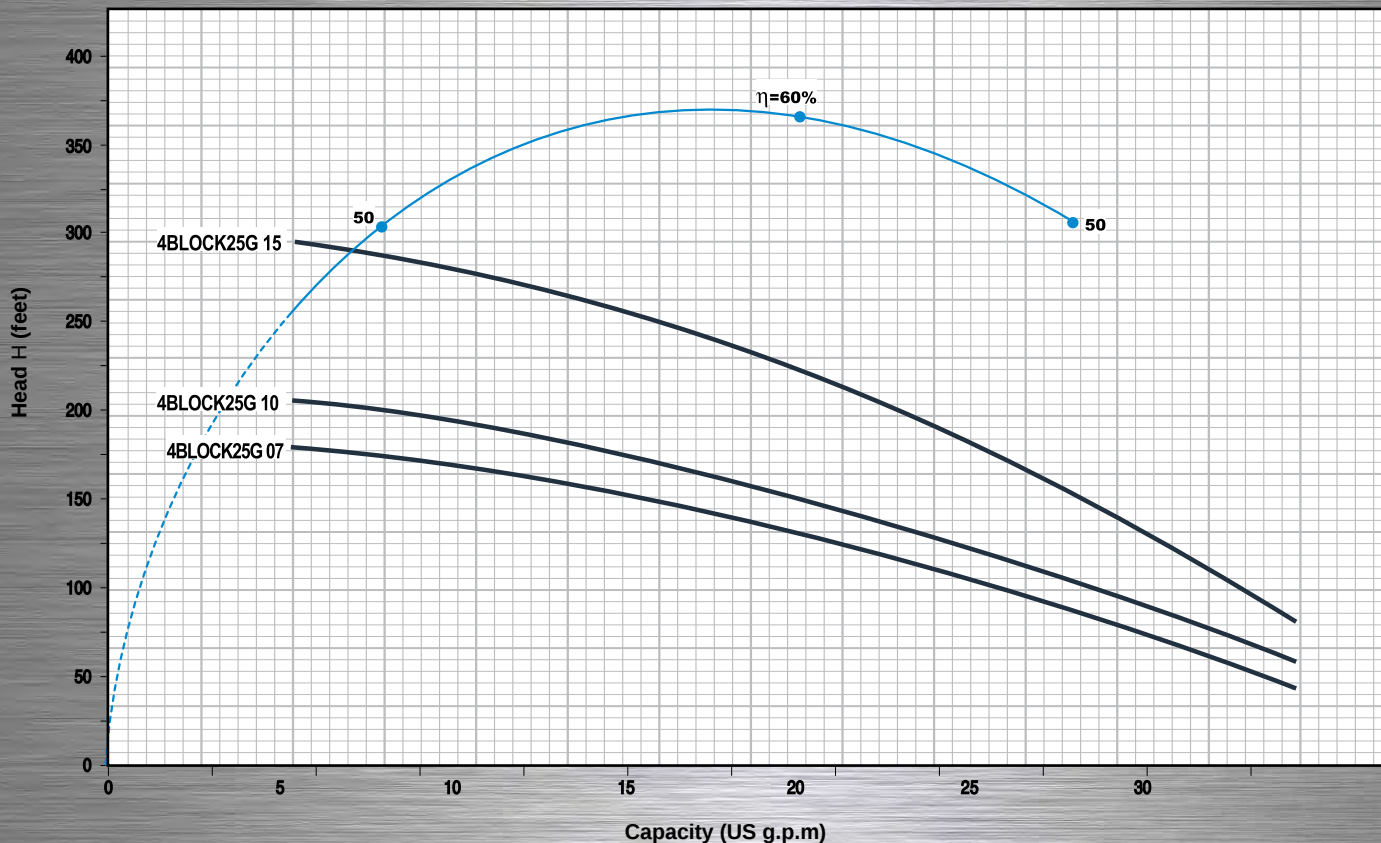


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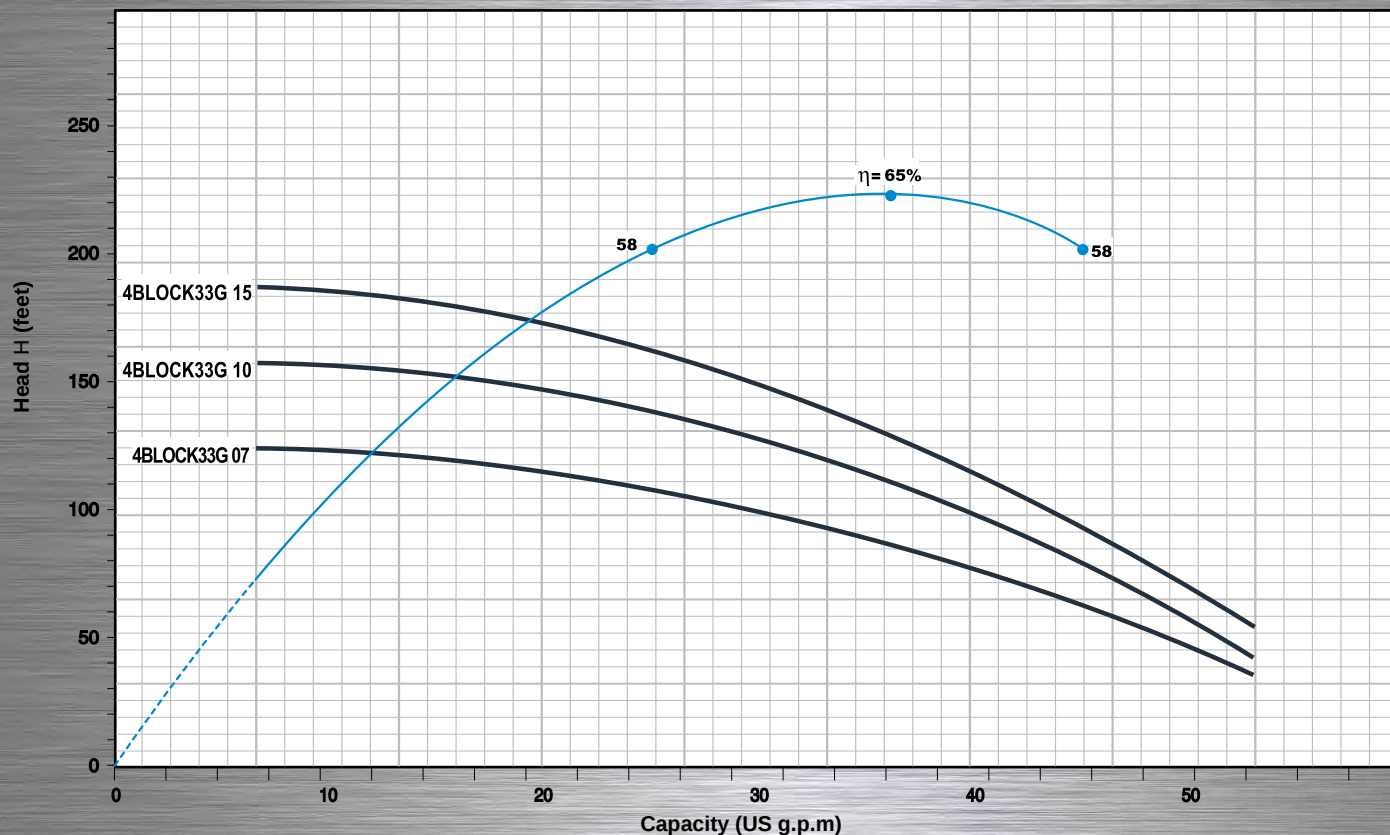


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CURVES AND PERFORMANCE DATA



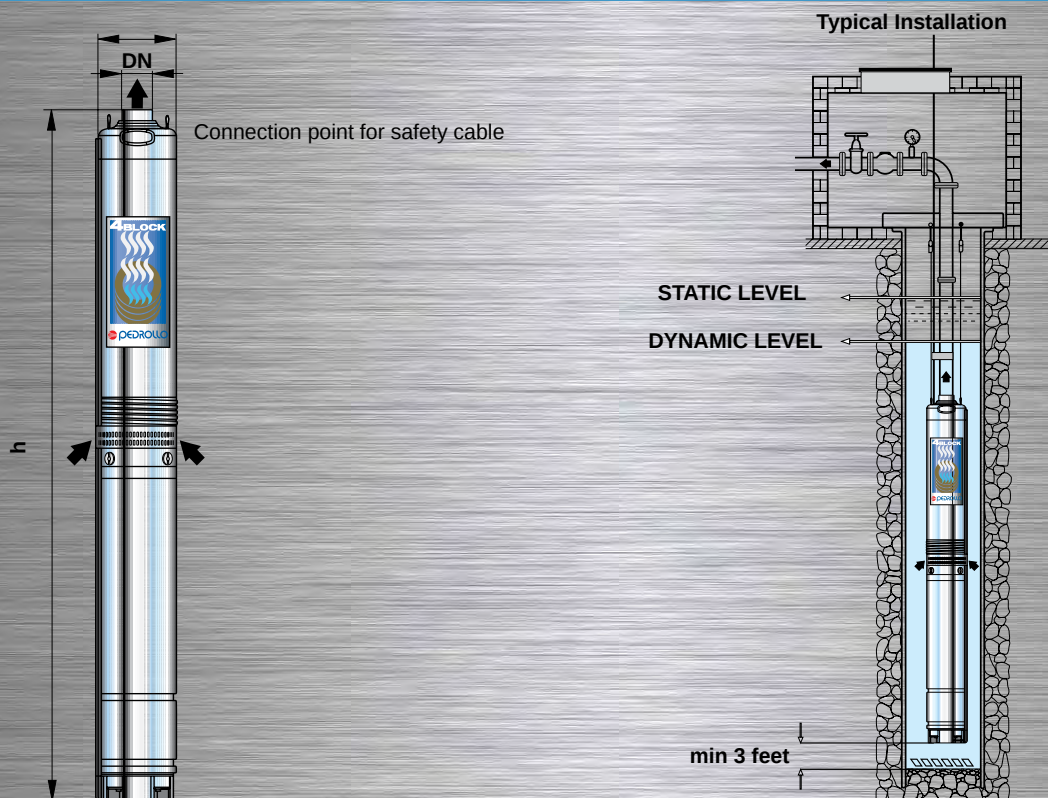
| MODEL        | HP   | PSI | DEPTH TO WATER IN FEET/RATINGS IN GPM |     |     |     |     |     |     |     |     |     |     |     |    |   |   |  |  |  |  |  |
|--------------|------|-----|---------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|---|---|--|--|--|--|--|
|              |      |     | 20                                    | 40  | 60  | 80  | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 |    |   |   |  |  |  |  |  |
| 4BLOCK25G07  | 0.75 | 0   |                                       |     | 32  | 30  | 26  | 23  | 18  | 14  | 6   |     |     |     |    |   |   |  |  |  |  |  |
|              |      | 20  | 31                                    | 28  | 24  | 21  | 15  | 10  |     |     |     |     |     |     |    |   |   |  |  |  |  |  |
|              |      | 30  | 28                                    | 24  | 21  | 15  | 10  |     |     |     |     |     |     |     |    |   |   |  |  |  |  |  |
|              |      | 40  | 24                                    | 21  | 16  | 9   |     |     |     |     |     |     |     |     |    |   |   |  |  |  |  |  |
|              |      | 50  | 18                                    | 14  | 6   |     |     |     |     |     |     |     |     |     |    |   |   |  |  |  |  |  |
|              |      | 60  | 13                                    | 5   |     |     |     |     |     |     |     |     |     |     |    |   |   |  |  |  |  |  |
| Shut-off PSI |      |     | 71                                    | 63  | 54  | 45  | 37  | 28  | 19  |     |     |     |     |     |    |   |   |  |  |  |  |  |
| 4BLOCK25G10  | 1    | 0   |                                       |     |     | 32  | 29  | 26  | 22  | 18  | 14  | 8   |     |     |    |   |   |  |  |  |  |  |
|              |      | 20  |                                       |     | 27  | 24  | 20  | 15  | 10  | 4   |     |     |     |     |    |   |   |  |  |  |  |  |
|              |      | 30  |                                       | 27  | 23  | 20  | 15  | 10  | 5   |     |     |     |     |     |    |   |   |  |  |  |  |  |
|              |      | 40  | 27                                    | 23  | 20  | 15  | 11  | 4   |     |     |     |     |     |     |    |   |   |  |  |  |  |  |
|              |      | 50  | 22                                    | 18  | 14  | 8   |     |     |     |     |     |     |     |     |    |   |   |  |  |  |  |  |
|              |      | 60  | 18                                    | 14  | 8   |     |     |     |     |     |     |     |     |     |    |   |   |  |  |  |  |  |
| Shut-off PSI |      |     | 84                                    | 76  | 67  | 58  | 50  | 41  | 32  | 24  | 15  |     |     |     |    |   |   |  |  |  |  |  |
| 4BLOCK25G15  | 1.5  | 0   |                                       |     |     |     |     | 31  | 30  | 28  | 25  | 23  | 20  | 17  | 14 | 9 | 4 |  |  |  |  |  |
|              |      | 20  |                                       |     | 32  | 30  | 29  | 26  | 24  | 22  | 19  | 15  | 12  |     |    |   |   |  |  |  |  |  |
|              |      | 30  |                                       | 32  | 31  | 28  | 27  | 24  | 22  | 19  | 15  | 12  | 7   |     |    |   |   |  |  |  |  |  |
|              |      | 40  | 32                                    | 31  | 29  | 27  | 24  | 22  | 19  | 15  | 12  | 7   |     |     |    |   |   |  |  |  |  |  |
|              |      | 50  | 30                                    | 28  | 25  | 23  | 20  | 17  | 14  | 9   | 4   |     |     |     |    |   |   |  |  |  |  |  |
|              |      | 60  | 28                                    | 25  | 23  | 20  | 17  | 14  | 10  | 4   |     |     |     |     |    |   |   |  |  |  |  |  |
| Shut-off PSI |      |     | 126                                   | 117 | 108 | 100 | 91  | 82  | 74  | 65  | 56  | 48  | 39  | 30  | 22 |   |   |  |  |  |  |  |



| MODEL        | HP   | PSI | DEPTH TO WATER IN FEET/RATINGS IN GPM |    |    |    |     |     |     |     |     |     |     |     |
|--------------|------|-----|---------------------------------------|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
|              |      |     | 20                                    | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 | 220 | 240 |
| 4BLOCK33G07  | 0.75 | 0   |                                       |    | 47 | 40 | 31  | 16  |     |     |     |     |     |     |
|              |      | 20  | 43                                    | 35 | 23 | 10 |     |     |     |     |     |     |     |     |
|              |      | 30  | 34                                    | 23 | 9  |    |     |     |     |     |     |     |     |     |
|              |      | 40  | 24                                    | 10 |    |    |     |     |     |     |     |     |     |     |
|              |      | 50  |                                       |    |    |    |     |     |     |     |     |     |     |     |
|              |      | 60  |                                       |    |    |    |     |     |     |     |     |     |     |     |
| Shut-off PSI |      |     | 50                                    | 41 | 32 | 24 | 15  |     |     |     |     |     |     |     |
| 4BLOCK33G10  | 1    | 0   |                                       |    |    | 45 | 40  | 34  | 24  |     |     |     |     |     |
|              |      | 20  | 48                                    | 43 | 37 | 29 | 15  |     |     |     |     |     |     |     |
|              |      | 30  | 42                                    | 38 | 29 | 16 |     |     |     |     |     |     |     |     |
|              |      | 40  | 37                                    | 28 | 16 |    |     |     |     |     |     |     |     |     |
|              |      | 50  | 25                                    | 6  |    |    |     |     |     |     |     |     |     |     |
|              |      | 60  |                                       |    |    |    |     |     |     |     |     |     |     |     |
| Shut-off PSI |      |     | 61                                    | 52 | 43 | 35 | 26  | 17  | 9   |     |     |     |     |     |
| 4BLOCK33G15  | 1.5  | 0   |                                       |    |    | 48 | 44  | 40  | 34  | 27  | 17  |     |     |     |
|              |      | 20  |                                       | 46 | 41 | 36 | 30  | 21  | 16  |     |     |     |     |     |
|              |      | 30  | 46                                    | 40 | 37 | 29 | 22  | 17  |     |     |     |     |     |     |
|              |      | 40  | 41                                    | 36 | 31 | 22 | 16  |     |     |     |     |     |     |     |
|              |      | 50  | 34                                    | 26 | 17 |    |     |     |     |     |     |     |     |     |
|              |      | 60  | 27                                    | 18 |    |    |     |     |     |     |     |     |     |     |
| Shut-off PSI |      |     | 76                                    | 67 | 58 | 50 | 41  | 32  | 24  | 17  | 9   |     |     |     |



## DIMENSIONS AND WEIGHTS



| MODEL       |             | DISCH  | DIMENSIONS INCHES |      |             | LBS |    |
|-------------|-------------|--------|-------------------|------|-------------|-----|----|
| 1 PH        | 3PH         | DN     | No Stages         | Ø    | h           | 1~  | 3~ |
| 4BLOCK13G07 | 4BLOCK13G07 | 1 1/4" | 9                 | 3.92 | 27.3 / 26.3 | 23  | 20 |
| 4BLOCK13G10 | 4BLOCK13G10 |        | 11                |      | 30.5 / 29.5 | 26  | 23 |
| 4BLOCK13G15 | 4BLOCK13G15 |        | 15                |      | 38.9 / 36.5 | 33  | 28 |
| 4BLOCK25G07 | 4BLOCK25G07 |        | 6                 |      | 26.2 / 25.2 | 22  | 19 |
| 4BLOCK25G10 | 4BLOCK25G10 |        | 7                 |      | 28.9 / 27.9 | 25  | 23 |
| 4BLOCK25G15 | 4BLOCK25G15 |        | 10                |      | 35.5 / 33.2 | 32  | 26 |
| 4BLOCK33G07 | 4BLOCK33G07 |        | 4                 |      | 24.8 / 23.8 | 21  | 19 |
| 4BLOCK33G10 | 4BLOCK33G10 |        | 5                 |      | 28.2 / 27.2 | 25  | 23 |
| 4BLOCK33G15 | 4BLOCK33G15 |        | 6                 |      | 34.1 / 31.7 | 31  | 25 |