



# **Technical Data** **Horizontal Centrifugal Slurry Pump - GAZ100-1-A42**

Revision no.

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Receiver

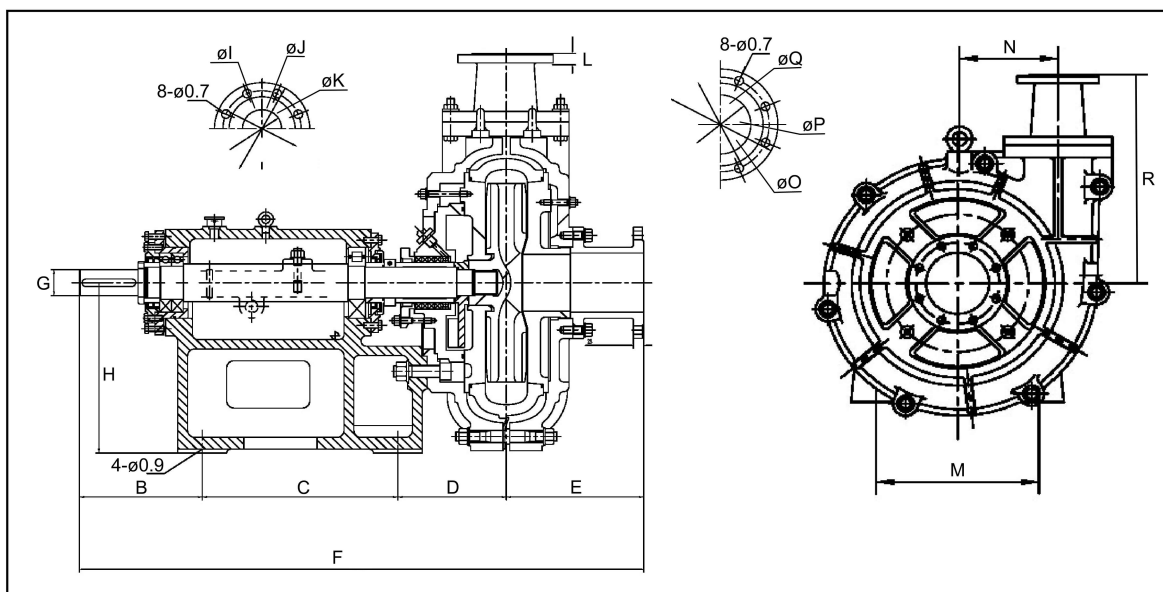
From

Company name  
 Respons. Department  
 Person in charge  
 Phone number  
 Fax no  
 E-mail address



**Brand: Gol Pumps**  
**Model: GAZ100-1-A42**

## **Dimensions:**



| Flange (inch) |        |
|---------------|--------|
| Inlet         | Outlet |
| 6             | 4      |

| Pump Installation Size (inch) |      |     |      |      |     |      |     |     |     |     |      |     |     |     |     |      |  |
|-------------------------------|------|-----|------|------|-----|------|-----|-----|-----|-----|------|-----|-----|-----|-----|------|--|
| B                             | C    | D   | E    | F    | G   | H    | I   | J   | K   | L   | M    | N   | O   | P   | Q   | R    |  |
| 10.3                          | 15.7 | 9.1 | 11.6 | 46.1 | 2.2 | 14.2 | 7.1 | 8.5 | 3.9 | 0.8 | 17.7 | 9.8 | 8.9 | 9.8 | 5.9 | 19.2 |  |

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# Performance Curve

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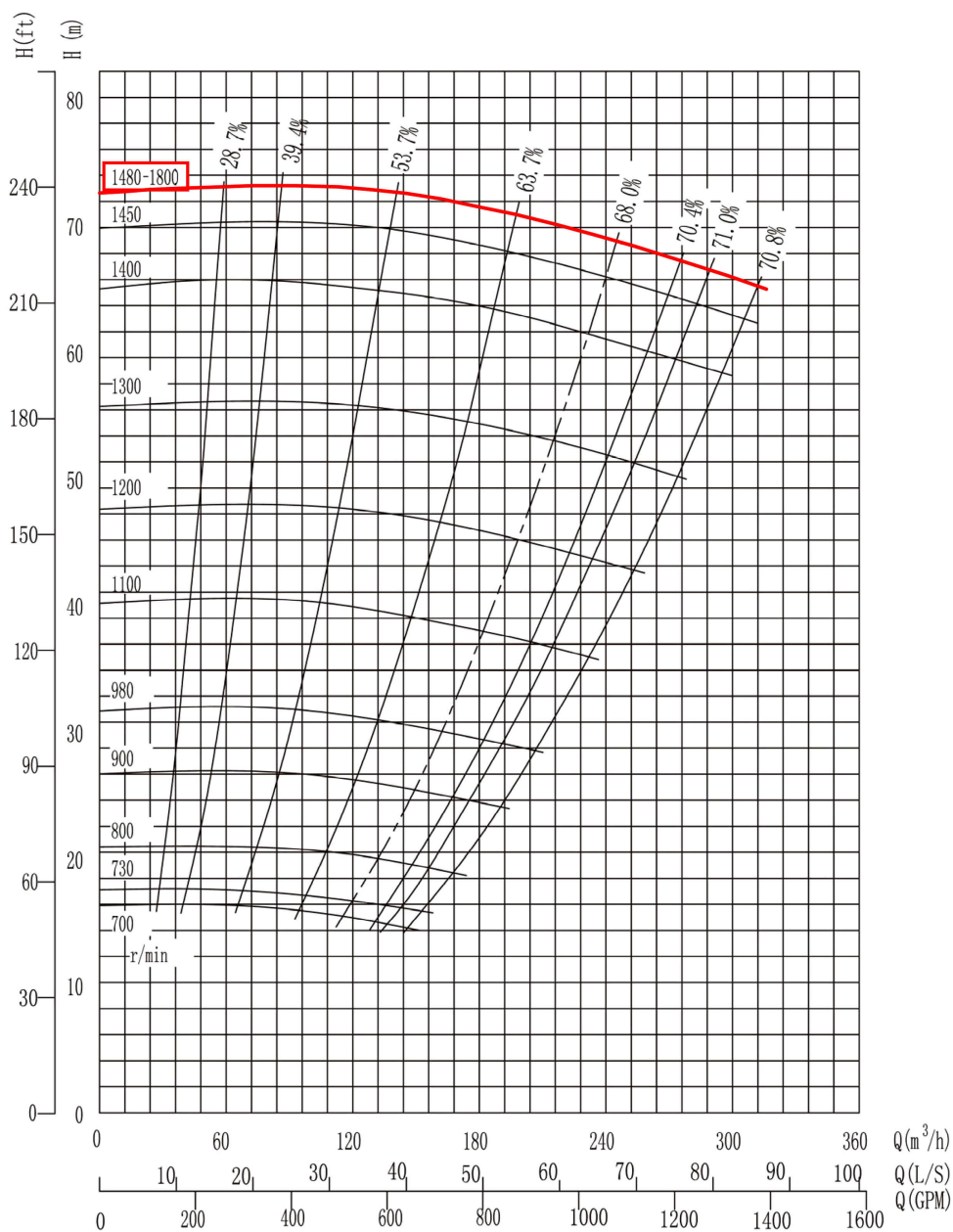
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| Model        | Inlet | Outlet | Power |     | Max. Solid Passing | Revolutions |
|--------------|-------|--------|-------|-----|--------------------|-------------|
|              | in    | in     | hp    | kw  | in                 | rpm         |
| GAZ100-1-A42 | 6     | 4      | 150   | 110 | 1.4                | 1750        |



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# Pump and Motor

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| Motor Type       |     | TEFC      |
|------------------|-----|-----------|
| Nominal Voltage  | V   | 460 - 3ph |
| Power Factor     |     | 0.84      |
| Stator Current   | A   | 141       |
| Motor Power      | HP  | 125       |
| Frequency        | HZ  | 60        |
| Efficiency       | %   | 95.4      |
| Speed            | RPM | 1787      |
| Protection Class | IP  | 55        |
| Approx. Weight   | LB  | 1647      |
| Manufacturer     |     | WEG       |

|         |            |            |            |             |
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## Parts and Materials

### Horizontal Centrifugal Slurry Pump - GAZ100-1-A42

Revision no.

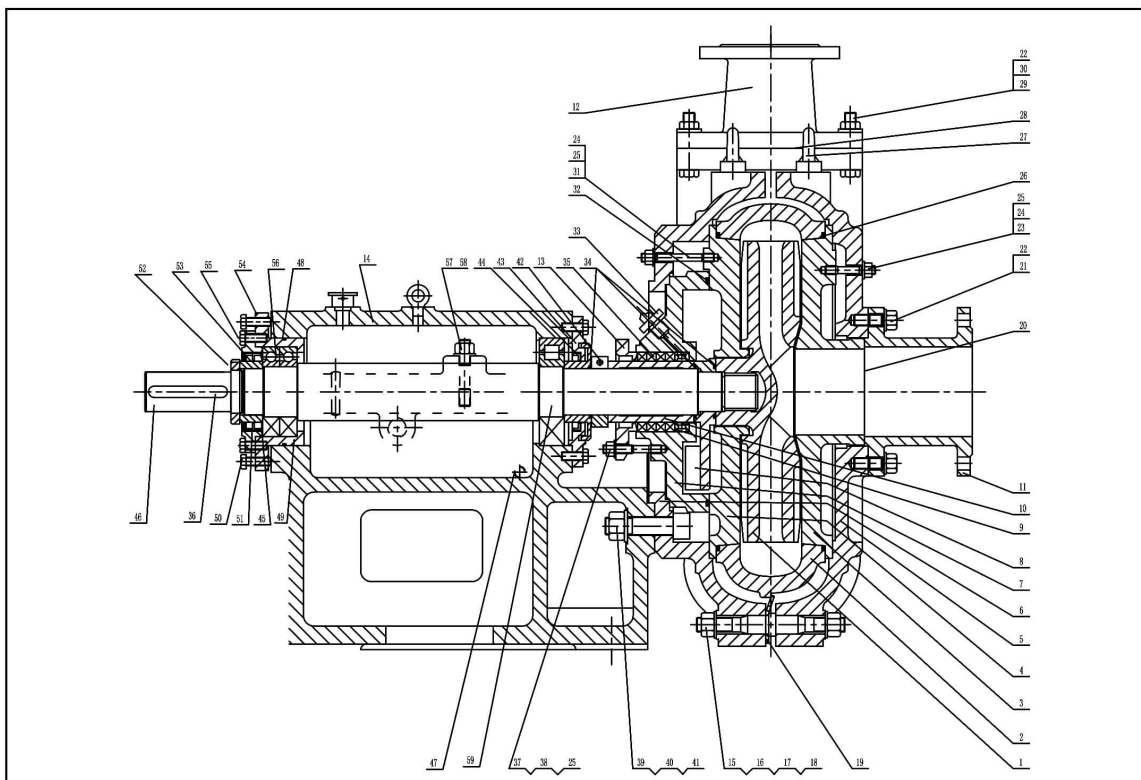
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| Item | Parts Name          | Qty   | Material |
|------|---------------------|-------|----------|
| 1    | Impeller            | 1     | Cr27MoNi |
| 2    | Volute Liner        | 1     | Cr27MoNi |
| 3    | Throat Bush         | 1     | Cr27MoNi |
| 4    | FPL Insert          | 1     | Cr27MoNi |
| 5    | Cover Plate         | 1     | HT200    |
| 6    | Frame Plate         | 1     | HT200    |
| 7    | Stuffing Box        | 1     | Cr27MoNi |
| 8    | Expeller            | 1     | Cr27MoNi |
| 9    | Lantern Ring        | 1     |          |
| 10   | Shaft Sleeve        | 1     | 3Cr13    |
| 11   | Intake Coupling     | 1     |          |
| 12   | Discharge Coupling  | 1     |          |
| 13   | Stuffing Gland      | 1     | HT200    |
| 14   | Frame               | 1 set |          |
| 15   | Frame Plate Bolts A | 2     |          |

|    |                      |    |        |
|----|----------------------|----|--------|
| 16 | Frame Plate Bolts B  | 5  |        |
| 17 | Nuts                 | 18 |        |
| 18 | Washers              | 18 |        |
| 19 | Cotter               | 2  |        |
| 20 | Intake Joint Ring    | 1  | Rubber |
| 21 | Intake Studs         | 8  |        |
| 22 | Washers              | 16 |        |
| 23 | Cover Plate Studs    | 4  |        |
| 24 | Nuts                 | 8  |        |
| 25 | Washers              | 10 |        |
| 26 | Seal Ring            | 2  | Rubber |
| 27 | Eyebolts             | 2  |        |
| 28 | Discharge Joint Ring | 1  | Rubber |
| 29 | Discharge Bolts      | 8  |        |
| 30 | Nuts                 | 8  |        |
| 31 | FPL Insert Studs     | 4  |        |

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## Parts and Materials

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| Item | Parts Name       | Qty   | Material     |
|------|------------------|-------|--------------|
| 32   | Seal Ring        | 1     | Rubber       |
| 33   | Nipple           | 1     |              |
| 34   | O Ring           | 3     | Rubber       |
| 35   | Packing          | 4     |              |
| 36   | Key              | 1     |              |
| 37   | Studs            | 2     |              |
| 38   | Nuts             | 2     |              |
| 39   | Nuts M24         | 3     |              |
| 40   | Washers M24      | 3     |              |
| 41   | Adjust Studs M24 | 3     |              |
| 42   | Release Collar   | 1     |              |
| 43   | End Cover        | 1     | HT200        |
| 44   | Oil Seal         | 1     |              |
| 45   | Papper Doily     | 1 set | 0.2Fishpaper |
| 46   | Shaft            | 1     |              |

|    |                     |    |        |
|----|---------------------|----|--------|
| 47 | Plug R1/2           | 1  |        |
| 48 | End Cover Seal Ring | 1  | Rubber |
| 49 | Bearing Box         | 1  |        |
| 50 | Bearing Box Bolts   | 12 |        |
| 51 | Oil Seal Driven     | 1  |        |
| 52 | Lock Nut            | 1  |        |
| 53 | Retainer            | 1  |        |
| 54 | End Cover Driven    | 1  |        |
| 55 | End Cover Bolts     | 6  |        |
| 56 | Bearing             | 2  |        |
| 57 | Frame Studs         | 8  |        |
| 58 | Nuts                | 8  |        |
| 59 | Bearing             | 1  |        |

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