



|      |                                |          |      |                |                         |
|------|--------------------------------|----------|------|----------------|-------------------------|
| 44   | Radial Shaft Seal              | 37       | 1    | SKF (HMS5-RG)  | Φ Φ                     |
| 43   | Bolt (Bearing Housing)         | 53.01    | 6    | St. (Hardened) |                         |
| 42   | Bearing Cover (Ball Bearing)   | 09.01    | 1    | GG 25          |                         |
| 41   | Nut (Casing)                   | 54.03    | 1    |                | M14                     |
| 40   | Lock Nut                       | 54.01    | 1    |                | KM12                    |
| 39   | Lock Washer                    | 56       | 1    | St.SKF         | MB12                    |
| 38   | Bearing (Angular Contact)      | 08.01    | 2    | AISI 304       | 7000 SERIES             |
| 37   | Key (Coupling)                 | 52.01    | 1    |                | 40x12x8                 |
| 36   | Shaft                          | 06       | 1    | (Hardened)     | Gr 420                  |
| 35   | Bolt (Bearing Housing Bracket) | 53.02    | 2    |                | M16x50                  |
| 34   | Bearing Housing Bracket        | 09       | 1    |                |                         |
| 33   | Key (Impeller)                 | 52.03    | 1    |                |                         |
| 32   | Oil Level Indicator            | 62       | 1    |                | G 1/2                   |
| 31   | Sight Glass                    | 63       | 1    |                | G 3/8                   |
| 30   | Plug(Oil Fill)                 | 57.01    | 1    |                | G 1/2                   |
| 29   | Eye Bolt                       | 53.03    | 1    |                |                         |
| 28   | Bearing Housing                | 09       | 1    |                |                         |
| 27   | Circlip                        | 52.02    | 1    | Standard       | D110x4                  |
| 26   | Bearing (Roller type)          | 08.02    | 1    | SKF            | NU SERIES               |
| 25   | Pin (Bearing Cover)            | 51       | 2    |                | Φ                       |
| 24   | Bearing Cover(Pump Side)       | 09.02    | 1    |                |                         |
| 23   | Bolt (Bearing Cover)           | 53.04    | 6    | St. (Hardened) |                         |
| 22   | Socket Screw (Deflector)       | 53.05    | 3    | St. (Hardened) |                         |
| 21   | Deflector                      | 16       | 1    |                |                         |
| 20   | Nut (Gland)                    | 54.02    | 4    |                |                         |
| 19   | Screw (Gland)                  | 53.06    | 4    |                |                         |
| 18   | Plug (Gland)                   | 53.08    | 2    |                |                         |
| 17   | Gland                          | 14       | 1    |                |                         |
| 16   | O-Ring (Gland)                 | 34.02    | 1    |                | Φ                       |
| 15   | Mechanical Seal Package        | 12       | 1set |                | Burgman MG1-G EN12756 Φ |
| 14   | O-Ring (Sleeve)                | 34.03    | 2    |                |                         |
| 13   | Socket Screw(Shaft Sleeve)     | 53.09    | 4    |                |                         |
| 12   | Shaft Sleeve                   | 07       | 1    |                |                         |
| 11   | Casing Cover                   | 01.01    | 1    |                |                         |
| 10   | O-Ring (Casing)                | 34.04    | 1    |                | Φ                       |
| 9    | Wear Ring (Rear-Casing Cover)  | 33.01    | 1    |                | Hardened                |
| 8    | Wear Ring(Rear-Impeller)       | 33.04    | 1    |                | Hardened                |
| 7    | Impeller                       | 02       | 1    |                |                         |
| 6    | Cap Nut (Impeller)             | 54.04    | 1    |                |                         |
| 5    | Wear Ring(Front-Impeller)      | 33.04    | 1    |                | Hardened                |
| 4    | Wear Ring (Front-Casing Cover) | 33.03    | 1    |                | Hardened                |
| 3    | Screw (Casing)                 | 53.07    | 20   |                | G 1/2                   |
| 2    | Plug (Casing Vent)             | 57.03    | 3    |                |                         |
| 1    | Casing                         | 01.02    | 1    |                |                         |
| Item | Part Name                      | Part No. | Qty. | Material       | Description             |

|                                     |      |                                      |      |        |           |                                 |  |
|-------------------------------------|------|--------------------------------------|------|--------|-----------|---------------------------------|--|
| General Tolerance: ISO 7168 class F |      | General Surface Roughness: 3.2 / 1.6 |      | Qty: - | Weight: - | Assembly Name: Exploded Drawing |  |
| Modify                              | Sign | Name                                 | Date | Rev.   | Data      | Name                            | Dwg. No:   |
| --                                  |      |                                      |      | 1      | Design    | 96/06/15 G.Eslami               | PR95.0046-C1.XP-00   |
| --                                  |      |                                      |      | 2      | Check     | 96/12/05 J.Alishah              | Pump Type :CENTRIFUGAL<br>OVERHUNG FLEXIBLYCOUPLED<br>HORIZONTAL CENTERLINEMOUNTED |
| --                                  |      |                                      |      | 3      | Approve   | 96/12/10 A.Shoureshi            |  |
| <br>www.petroarahanpump.ir          |      |                                      |      |        |           | Scale: 1:8                      | Sheet 1 of 1   |
|                                     |      |                                      |      |        |           | Size:A3                         |  |