

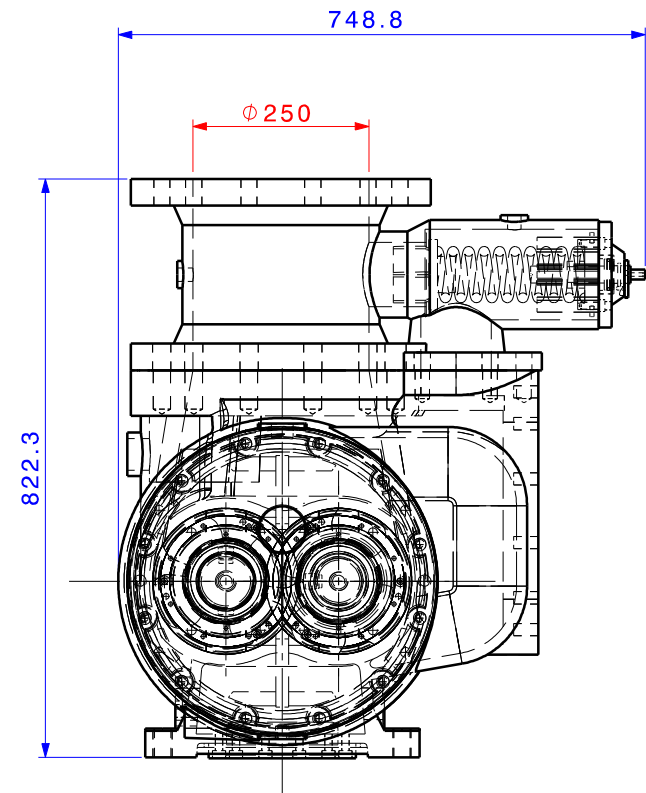
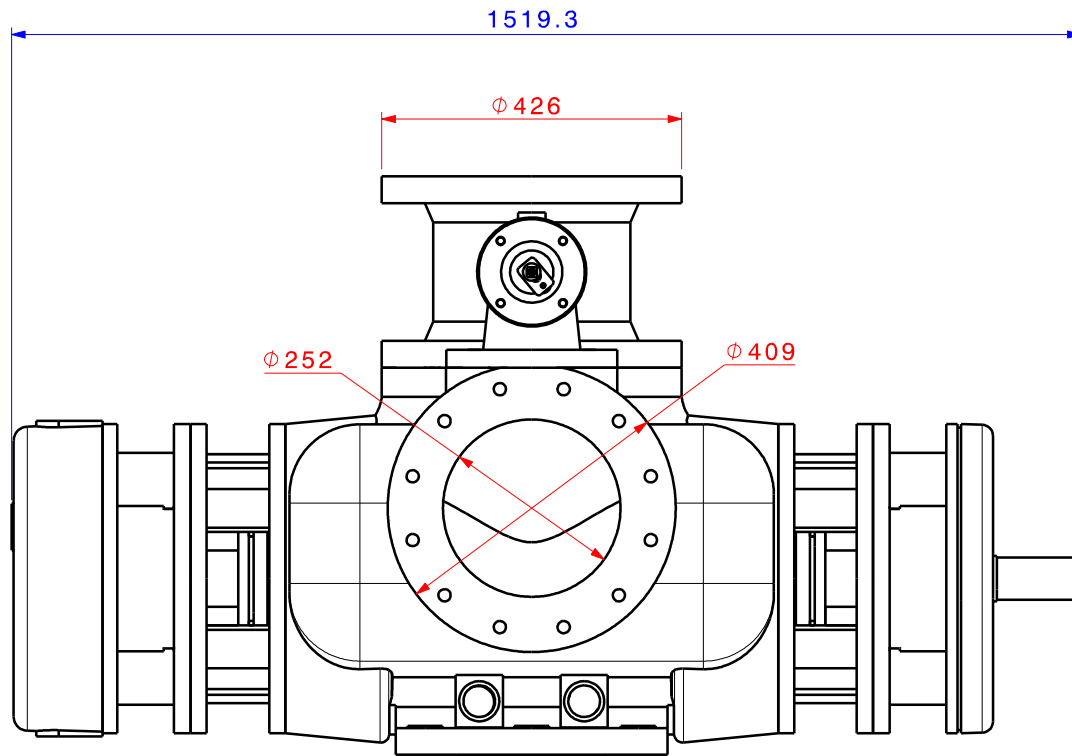
Technical specification

Project .: Screw pump

Our Ref. No.:

Item No.:

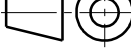
- 1. Pump Type** : Screw pump type: W7T.3 Z 85
- 2. Operating Conditions**
- 2.1 Liquid : Bitumen
- 2.2 Capacity : 250 m³/hr
- 2.3 Differential pressure : 6 bar
- 2.4 NPSHr : 3 m @ 234 cp / 3.5 m@ 700 cp
- 3. Material**
- 3.1 Casing : ASTM A515 Gr.70
- 3.2 Screw set : ASTM A276 Type: 431
- 3.3 Shaft : ASTM A276 Type: 431
- 4. Construction Feature and other Specification**
- 4.1 Sealing : Gland Packing PTFE
- 4.1 Driver : Electric Motor, 132kW, 1450rpm, 400V/3Ph/50Hz,
IP55, F insulation, B class temperature,
made by Motogen, Jemco or Equal at our
choice
- 4.2 Painting : Standard
- 4.3 Packing : Standard
- 4.4 Test : Hydrostatic, Mechanical Running, Performance, Noise,
Vibration Tests

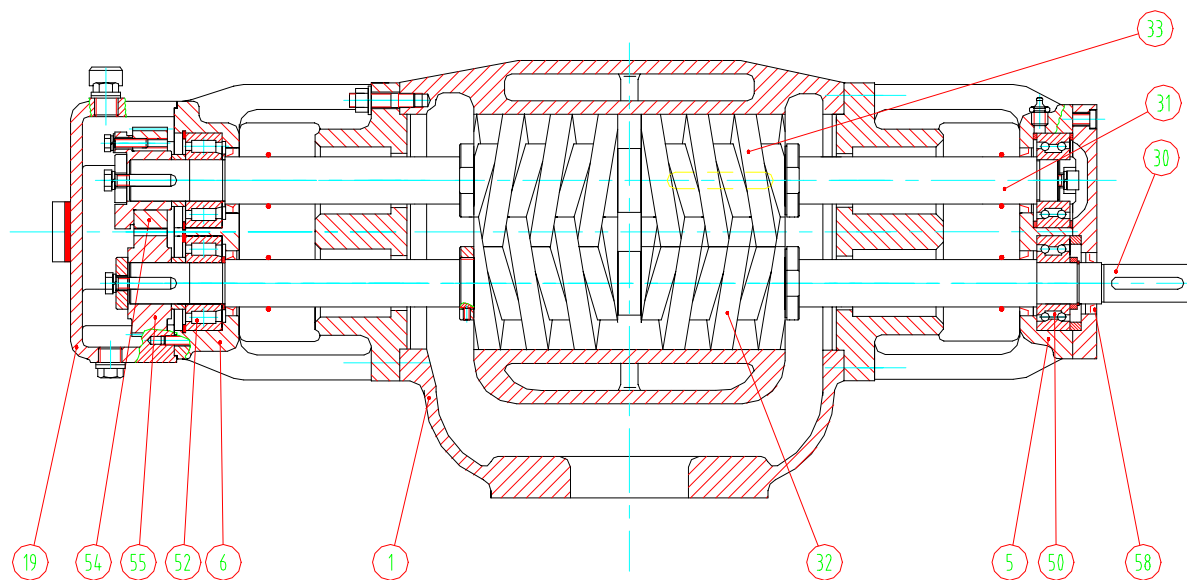


Note:

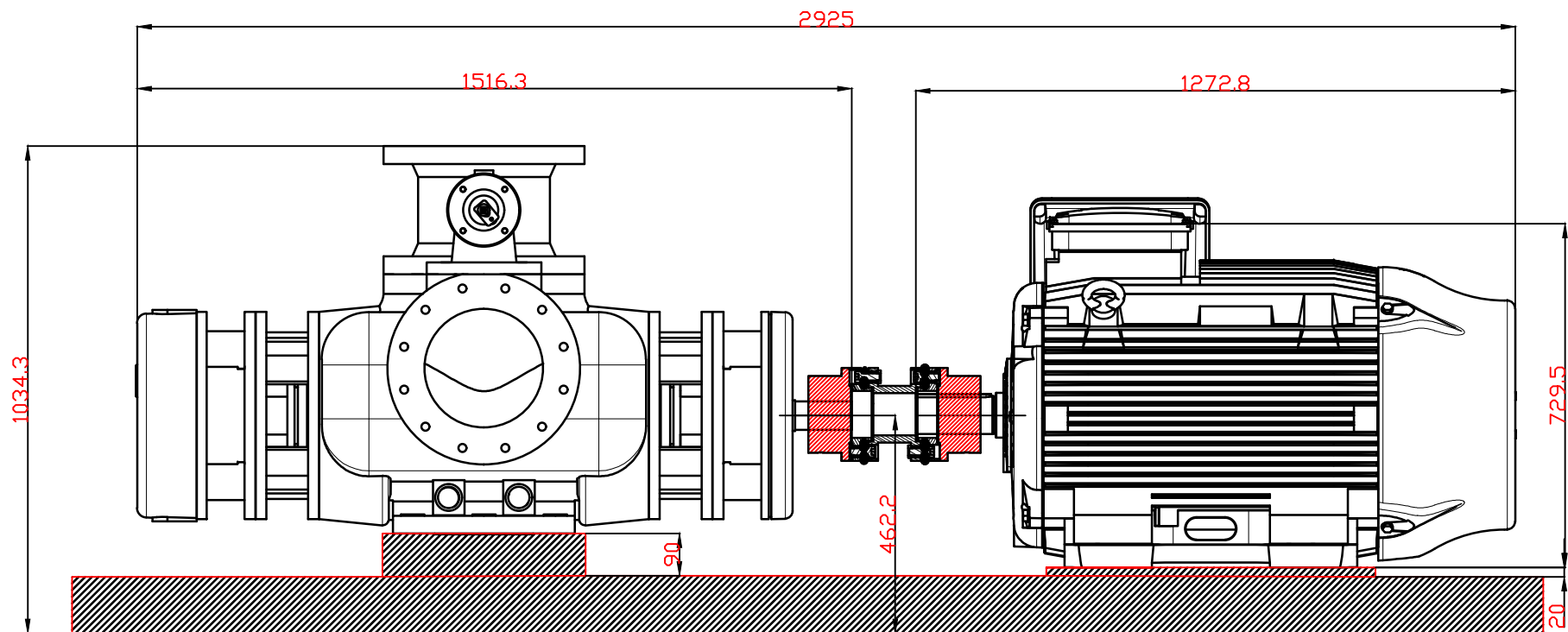
1. Break All Sharp Edge's and Remove Burrs 0.5mm
MAX Radius or Chamfer.

2. Roughness $\sqrt{Ra\ 3.2}$
 $\sqrt{Ra\ 1.6}$

ITEM	QTY	Part Name		Material	HRC	Kg	000000	00	
ITEM	QTY	Part Name		Material	Hardness	Mass	DWG No.	REV	
	Client		Petro Pedam						
			Name		Date				
	Drawn		V.Pourlor		2018/06/18				
	Checked		Sh.Almasi		2018/06/18				
Scale: 1:1	Checked		M.Alimohammadi		2018/06/18				
Size: A4	Approved								
Unit: mm & Kg	Sheet:		Object				Ord.No.000000		
Tolerance:	1 of 1		Petro Pedam				P/N. 000000		
ISO 2768-1 f	Project No.		Description				MESC No.000000		
ISO 2768-2 H	00-0000		Description				Assy No.000000		
								Edit No.00	



- | | | | | |
|---------------|-------------------------|-----------------------|-----------------|----------------------------|
| 1—Casing | 5 —Front bearing frame | 6 —Back bearing frame | 19—Gear box | 30—Driving |
| screw-spindle | 31—Driven screw-spindle | 32—screw sleeve | 33—screw sleeve | |
| 50—Bearing | 52—Bearing | 54—Driven gear | 55—Driving gear | 58—seal 59—mechanical seal |



01	1							
	Qty.	Description			Material	Hardness	DWG No.	Weight
		Date	Name	Signature				
Designed		*						
Drawn		97/3/01	V.Pourtar					
Checked		97/3/01	Sh.Ahmadi					
Approved		97/3/01	M.Ahmohammadi					
	Scale	Object					File Name	
		Screw Pump					---	
	Part	Screw General					Rev.	Drawing No.
							0	-----

