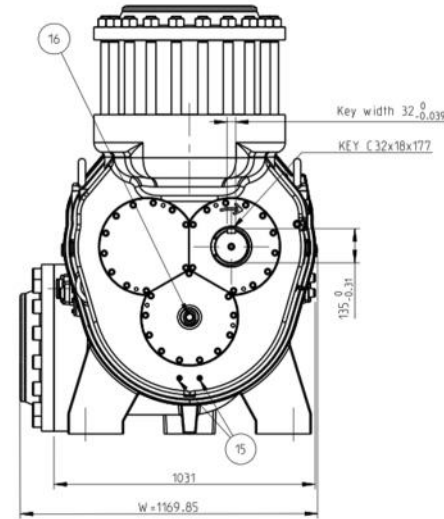
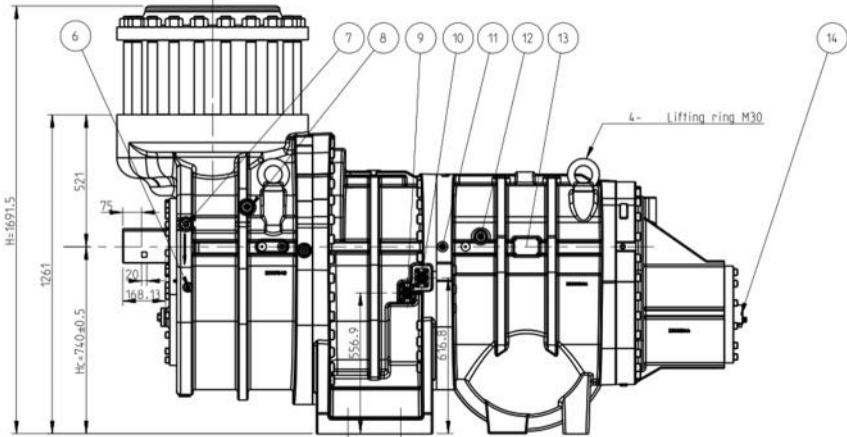
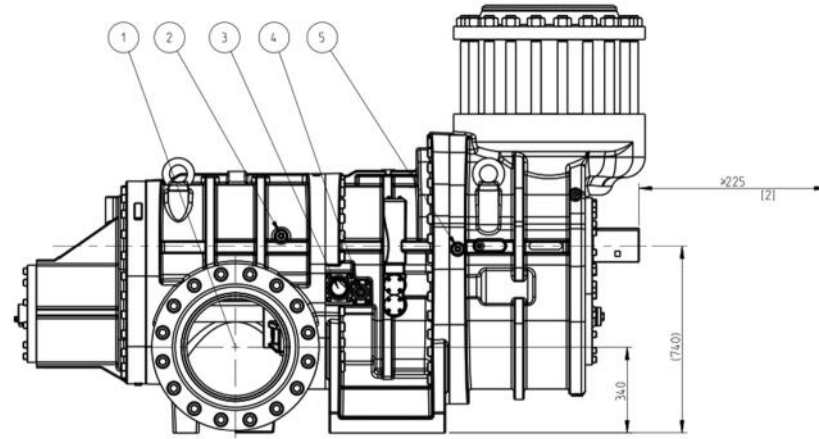
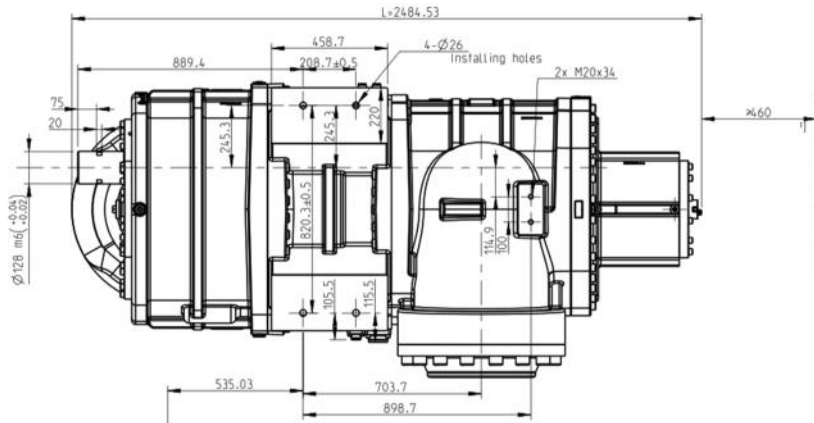


## SRM41 single-stage open Compressor

[srmtecgroup.com/products/compressors/srm-41/](http://srmtecgroup.com/products/compressors/srm-41/)



SRM 41 Series			
Model	SRM-41S	SRM-41M	SRM-41L
Displacement @2960 rpm [m3/h]	6800	8400	10000
Displacement @3600 rpm [m3/h]	8270	10200	12160
Capacity Control	Step-less 10% - 100%		
Max. rpm	3000		
Vi Control	Manual adjustable / Auto Vi		
Vi adjustment range	2.0/3.5/5.0		
Rotation, onto compressor shaft	counter-clockwise		
Non-return valve suction side	built-in		
Suction inlet diameter [mm]	500	500	500
Discharge outlet diameter [mm]	400	400	400
Eco connection [mm]	65	65	65
Design pressure	28 bar		
Length [mm]	2484	2683	2852
Width [mm]	1169	1205	1162
Height [mm]	1691	1694	1690
Weight [kg]	6090	6420	6750

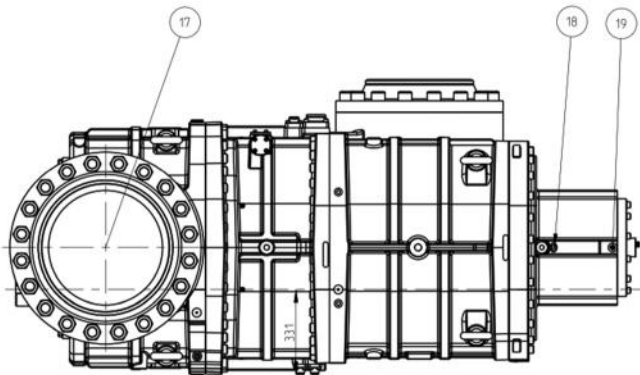


name	unit	parameter	remarks
Refrigerant	/	ammonia/freon	
Design Pressure	barA	28	
Theoretical displacement	m <sup>3</sup> /h	6800 full-load	2960rpm
	rpm	8160 full-load	4200rpm
Rotation Direction	/	clockwise	Seen from the shaft end

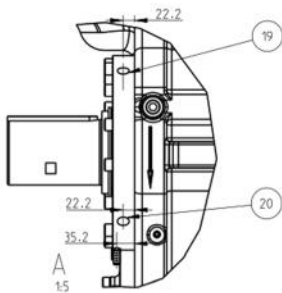
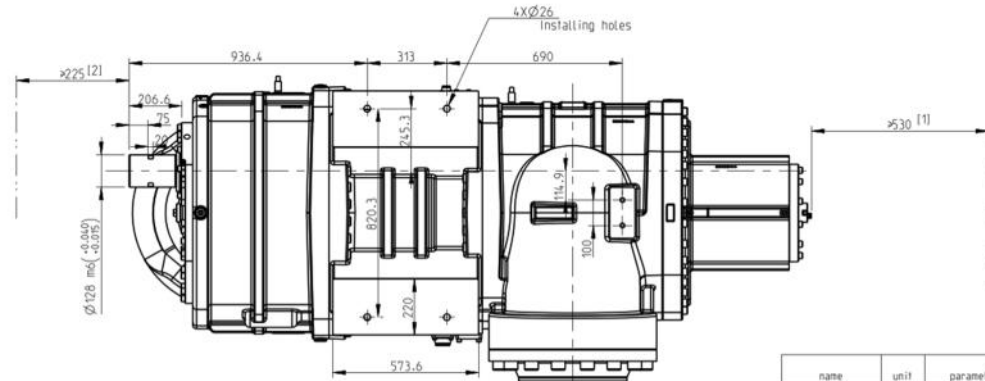
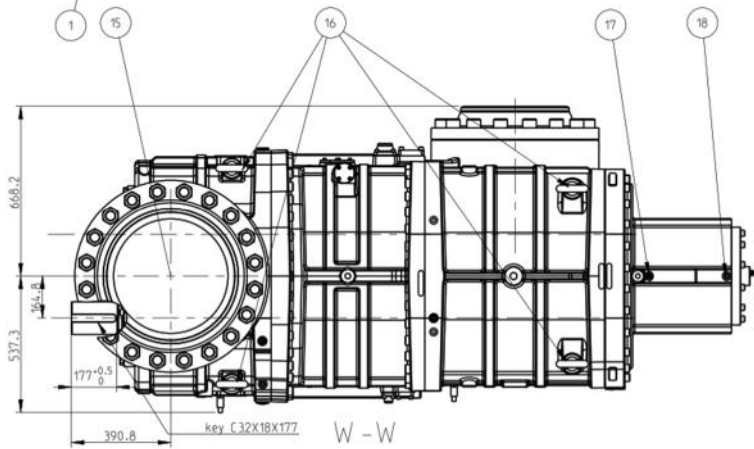
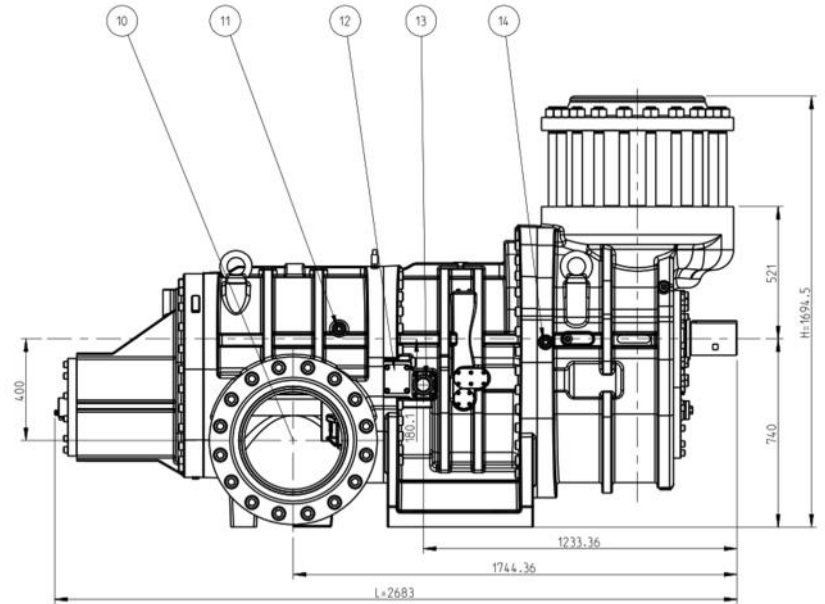
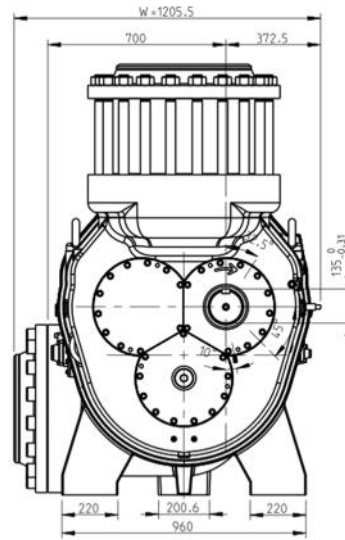
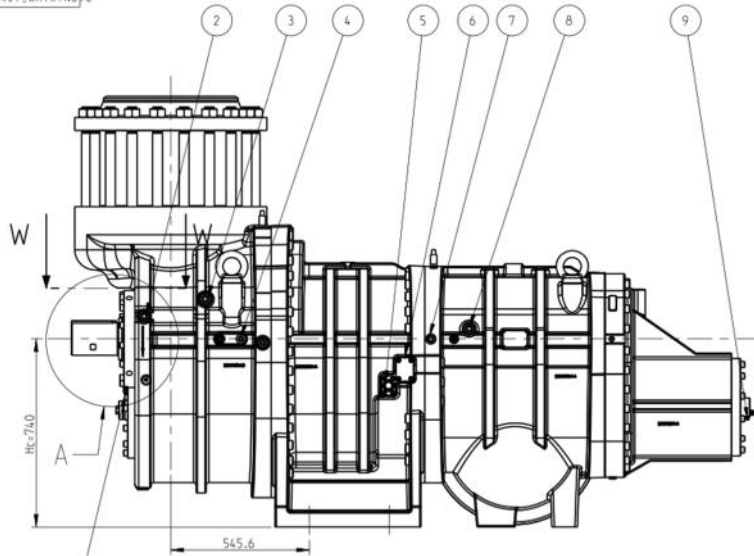
comments  
 [1] It is remain maintenance space of capacity sensor.  
 [2] It is remain maintenance space of shaft seal  
 [3] The parts with "\*" must connect to pipe.

Notes:

- \*1. Discharge port DN40/PN40, W $\varnothing$ 426\*11(metric) or  $\varnothing$ 406.4\*11(inch)
- \*2. Injection port of bearing lubrication NPT3/4
- \*3. Economiser DN65/PN40, if use, W $\varnothing$ 76\*4(metric or inch); if not, don't connect pipeline.
- \*4. Rotor oil injection port DN50/PN40, W $\varnothing$ 57\*3.5(metric) or  $\varnothing$ 60.3\*3.2(inch)
- \*5. Injection port of bearing lubrication NPT3/4
- \*6. Oil drainage connector of shaft seal  $\varnothing$ 6
- \*7. Injection port of bearing and shaft seal NPT1/2
- \*8. Injection port of balancing piston NPT1/2
- \*9. Rotor oil injection port DN32/PN40, W $\varnothing$ 38\*3(metric) or  $\varnothing$ 42.4\*2.9(inch)
- \*10. Rotor oil injection port DN32/PN40, W $\varnothing$ 38\*3(metric) or  $\varnothing$ 42.4\*2.9(inch)
- \*11. Injection port of bearing lubrication NPT3/4
- \*12. Injection port of bearing lubrication NPT3/4
- \*13. Name plate
- \*14. Capacity displacement sensor, Non-explosion proof, 5 pins M12 connector; Exploding proof, PG9,  $\varnothing$ 5-7mm.
- \*15. Oil release port NPT1/4
- \*16. Internal V.I. regulator, Hexagon, S=27mm..
- \*17. Suction port DN50/PN40, W $\varnothing$ 530x14.2(metric) or  $\varnothing$ 508\*14.2(inch)
- \*18. Oil supply and return, Deloading NPT1/2
- \*19. Oil supply and return, Loading NPT1/2



DESIGNED	CHECKED	APPROVED	SRMTEC
SIGNED			SRM-41S
DATE			Outline Drawing
MARK	MATERIAL	WEIGHT/KG	SCALE
		0030.0	1:10
SUM 1, PAGE 1			VER
			AC



KEY

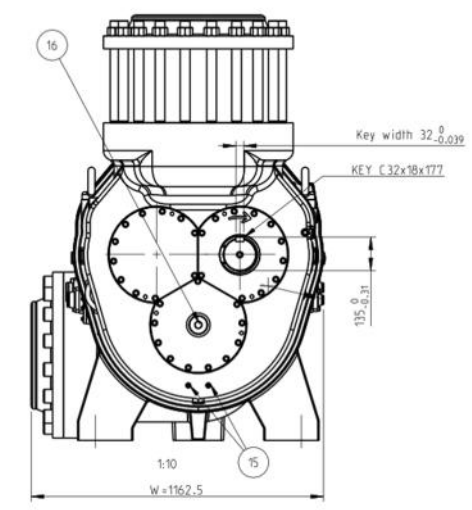
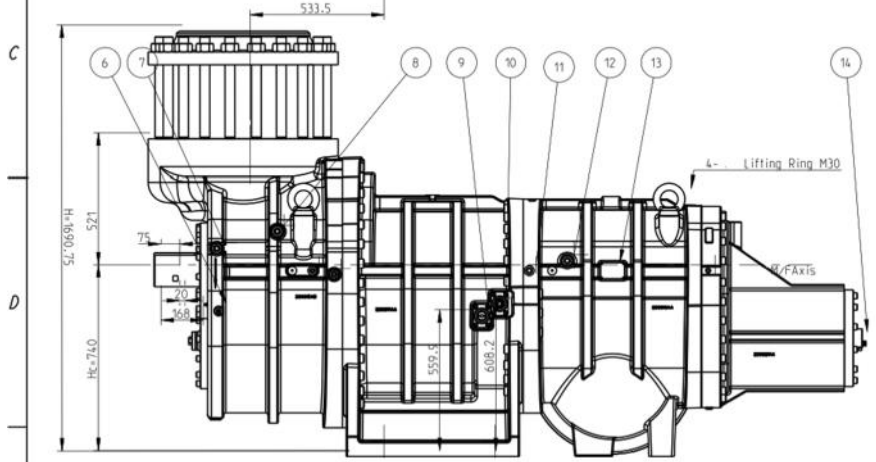
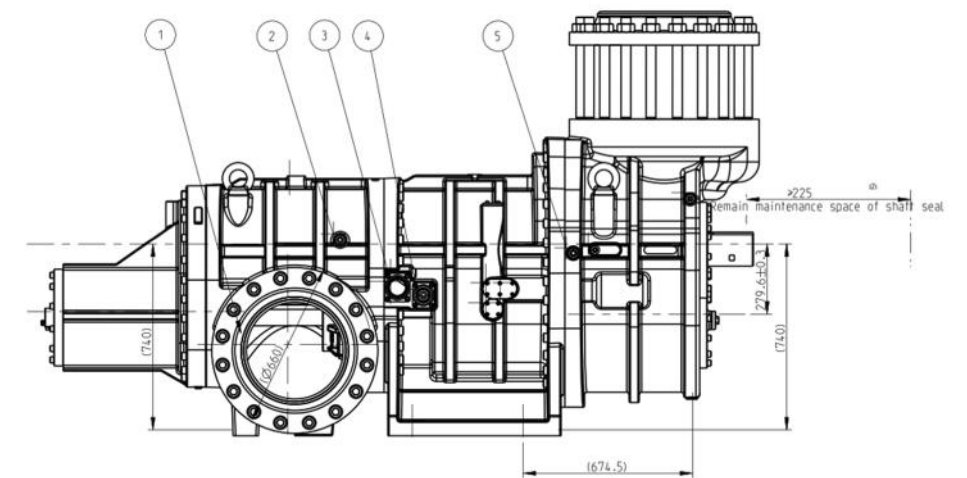
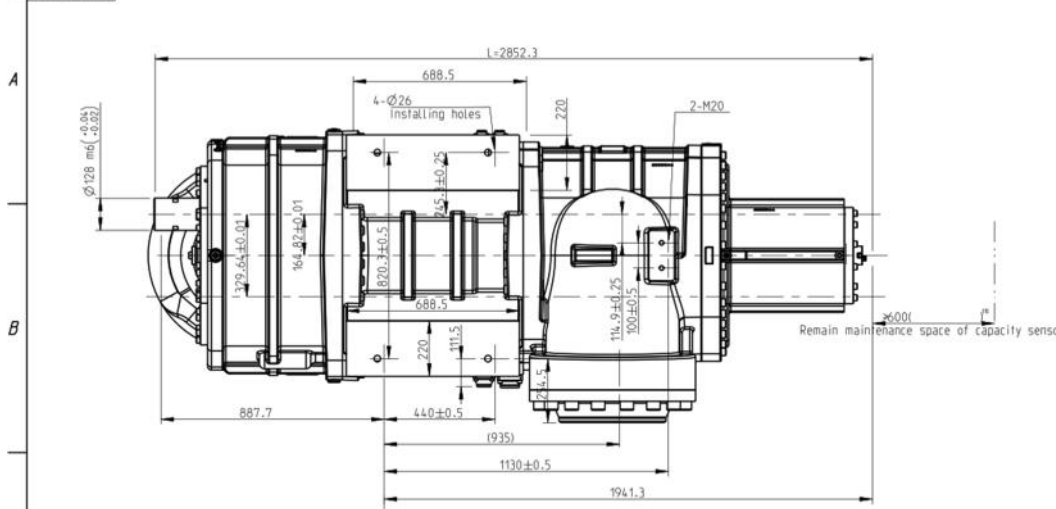
- 1.Oil drainage connector of shaft seal  $\varnothing 6$
- 2.Oil injection port of Seal and Bearing NPT3/4
- 3.Oil injection port of Balancing Piston NPT3/4
- 4.Testing hole NPT1/2
- 5.Oil Injection port of rotor,Flange $\varnothing 32 \times 3$
- 6.Liquid Injection port .if use,Flange $\varnothing 38 \times 3$
- 7.Oil injection port of bearing NPT3/4
- 8.Oil injection port of bearing NPT3/4
- 9.Capacity displacemnt sensor.Non-explosion proof:5 pins M12 connector; Explosing proof:PG9, $\varnothing 5-7$ mm.
- 10.Discharge port, DN400/PN40,Flange $\varnothing 426 \times 11$
- 11.Oil injection port of bearing NPT3/4
- 12.Economizer.if use,Flange $\varnothing 76 \times 4$
- 13.Oil Injection port of rotor,Flange $\varnothing 57 \times 3.5$
- 14.Oil injection port of bearing NPT3/4
- 15.Suction port, DN500/PN40,Flange $\varnothing 530 \times 14.2$
- 16.Lifting ring M36
- 17.Oil injection port of Cap.Valve Unload NPT1/2
- 18.Oil injection port of Cap.Valve Load NPT1/2
- 19.Connection For Barrier/BufferOutlet
- 20.Connection For Barrier/BufferInlet

name	unit	parameter	remarks
Refrigerant	/	ammonia/freon	
Design Pressure	barA	28	
Theoretical displacement	m <sup>3</sup> /h	full-load	2960rpm
	rpm	full-load	3600rpm
Rotation Direction	/	clockwise	See from the shaft end

comments

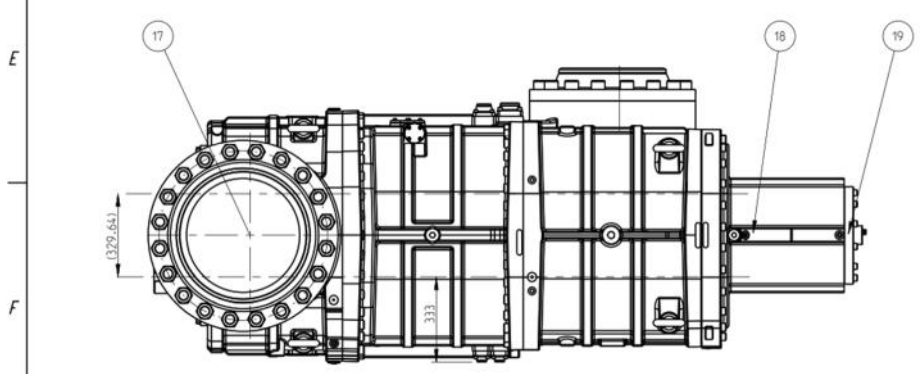
- [1] It is remain maintenance space of capacity sensor.
- [2] It is remain maintenance space of shaft seal
- [3] The parts with "\*" must connect to pipe.

DESIGNED		CHECKED		APPROVED		SRMTEC
SIGND	DATE	SIGND	DATE	SIGND	DATE	
MARK	MATERIAL	WEIGHT/KG	SCALE	Outline Drawing		
		6420.0	1:20	010401	VER	AC
SSW 1, PAGE 1						



name	unit	parameter	remarks
Refrigerant	/	ammonia/freon	
Design Pressure	barA	28	
Theoretical displacement	m <sup>3</sup> /h	10000l full-load	2960rpm
	rpm	12000 full-load	3600rpm
Rotation Direction	/	clockwise	See from the shaft extension end

- comments
- [1] is remain maintenance space of capacity sensor.
  - [2] is remain maintenance space of shaft seal.
  - [3] The parts with "\*" must connect to pipe.



- Notes:
- \*1-Discharge port DN40/PN40, W.NØ426\*11(metric) or Ø406.4\*11(inch)
  - \*2-Injection port of bearing Lubrication NPT3/4
  - \*3-Economiser DN65/PN40,if use,W.NØ76\*4(metric or inch); if not,don't connect pipeline.
  - \*4-Rotor oil injection port DN50/PN40,W.NØ57\*3.5(metric) or Ø60.3\*3.2(inch)
  - \*5-Injection port of bearing lubrication NPT3/4
  - \*6-Oil drainage connector of shaft seal Ø6
  - \*7-Injection port of bearing and shaft seal NPT1/2
  - \*8-Injection port of balancing piston NPT1/2
  - \*9-Rotor oil injection port DN32/PN40,W.NØ38\*3(metric) or Ø42.4\*2.9(inch)
  - \*10-Rotor oil injection port DN32/PN40,W.NØ38\*3(metric) or Ø42.4\*2.9(inch)
  - \*11-Injection port of bearing lubrication NPT3/4
  - \*12-Injection port of bearing lubrication NPT3/4
  - \*13-Name plate
  - \*14-Capacity displacement sensor.Non-explosion proof.5 pins M12 connector; Explosing proof:PG9,Ø5-7mm.
  - \*15-Oil release port NPT1/4
  - \*16-Internal VI regulator.Hexagon.S=27mm..
  - \*17-Suction port DN500/PN40,W.NØ530x14.2(metric) or Ø508\*14.2(inch)
  - \*18-Oil supply and return,Deloading NPT1/2
  - \*19-Oil supply and return>Loading NPT1/2

SIGNED	DESIGNED	CHECKED	APPROVED	SRMTEC
DATE				SRM-41LMA
MARK	MATERIAL	WEIGHT/KG	SCALE	Outline Drawing
		6750.0	1:10	VER
SUM I , PAGE 1				010399
				AC