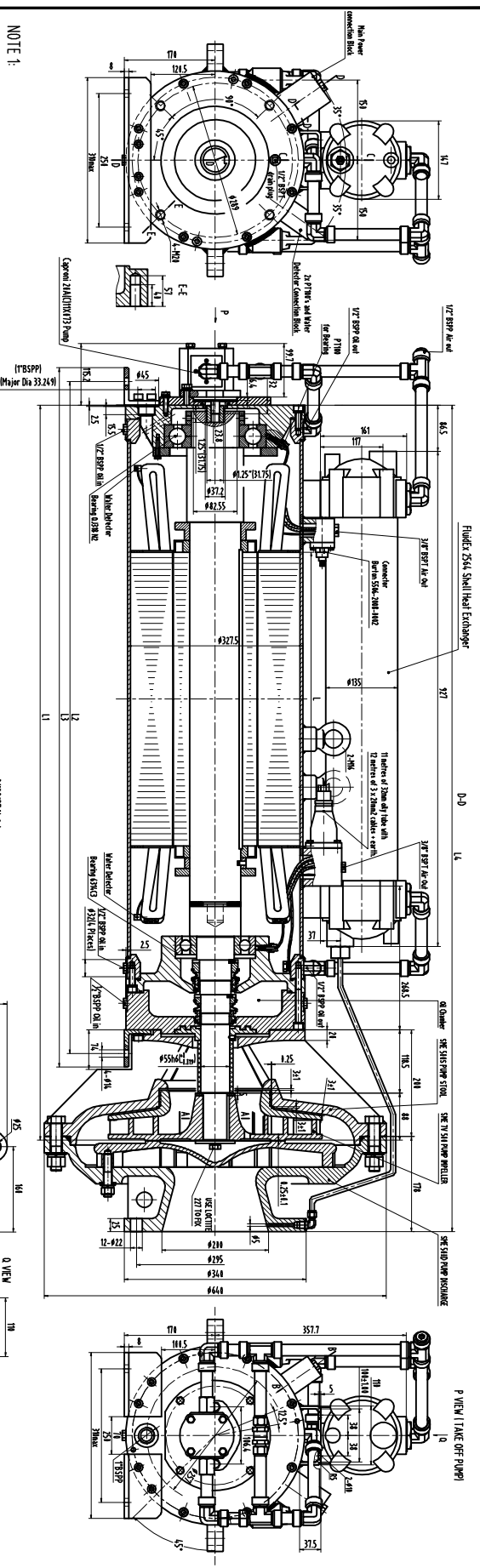
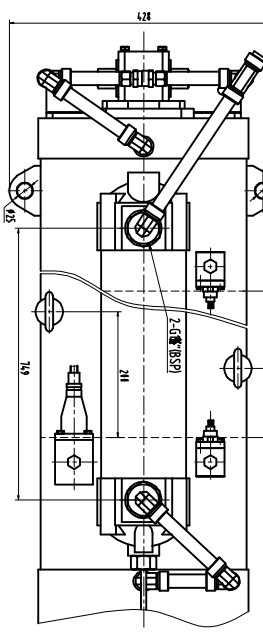
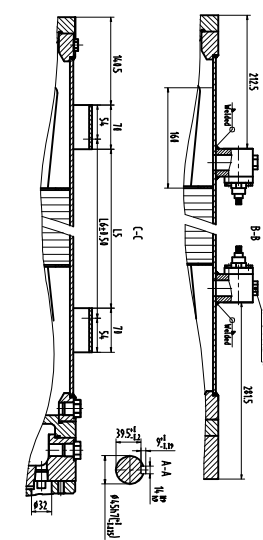


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- NOTE 1:
1. PT100/Water Detector Block at both ends of motor.
  2. Water detector at bottom of motor both ends.
  3. 1 PT100 in the winding at each end, 1 PT100 on bearing at each end. All PT100's are 3 wire.
  4. Power cables in only tube. SME to supply oily tube connector at junction box end.
  5. The face of the 2 pads for mounting the Heat Exchanger must be flat.
  6. Use clear plastic tubing to protect the Bearing PT100 wiring.
  7. Motor to be supplied with SS316 key, 14mm wide + plate for shaft + washer.
  8. Runout on face of flange & spigot to be checked and recorded.
  9. Pressure test motor at 10 PSI submerged.
  10. Pressure test mechanical seal chamber at 10 PSI submerged.



- NOTE 2:
1. Duty Thrust load from pump is 1,836 Kg at Duty Point.
  2. Calculated operating life with a QJ318 bearing is 4,811 Hours.
  3. All external components are SS316.
  4. Pump adaptor should be flooded to above the shaft height when running motor not submerged to ensure cooling and lubrication of the external mechanical seal.
  5. This motor is designed to operate - shaft up.

ROV14.2 with QJ 318 N2 Bearing and Caproni 20A(C)11X073 Pump

Output	Start Length(L)	L1	L2	L3	L4	L5	L6	Weight	Oil Volume
300kW	550	1375.5	1258	1309	1547	679	711	703	21L
									5.8L
									2.5L

SME ROV14-2 300kW 400HP 2 POLE 3300/3/60 SS316 Construction Subsea Motors driving SME SS316 Construction Subsea Pump with NAB Impeller. To operate at 15 Bar with expected flow rate of 550 M3/hr.

APPROVED FOR MANUFACTURE  
 SIGNED \_\_\_\_\_ DATE \_\_\_\_\_

TYPE	ROV14.2 400HP	NAME	ROV14.2 with SME TV 500 Pump and Heat Exchanger		
NO.	1-010-1352	REVISION	c		
DESIGN BY		REVIEWED BY			
CHECKED BY		APPROVED BY			
REVIEWED BY		DATE	07/01/2015		
		<b>SUBMERSIBLE MOTOR ENGINEERING</b>			
		SS316			