

CONTENT

Description	Page.
ELECTRICAL CONSUMPTION LIST	3
Mechanical system	3
COOLING WATER CONSUMPTION LIST	3
Plant water consumption.....	3
AIR CONSUMPTION LIST	3
Plant air consumption	3
LUBRICANT LIST	4

REV

ELECTRICAL CONSUMPTION LIST

Mechanical system (P&ID sheet)					
ITEM	EQUIPMENT	POWER [kW]	SUPPLY [V]	PHASE [No]	FREQ. [Hz]
M-400	Compressor main driver	45	400	3	50

REV

COOLING WATER CONSUMPTION LIST

Plant water consumption					
ITEM	EQUIPMENT	FLOW (m ³ /h)	HEATLOAD (kW)	TEMP. IN (°C)	TEMP. OUT (°C)
	Head stage 1	0.10	0.8	12	29
C-100	Gas Inter Cooler *)	1.50	11.0	40	47.7
C-200	Lube Oil Cooler	0.10	0.3	12	15

*) Based on 30°C ambient temperature, and maximum 300 barg suction gas pressure.

Based on cooling water inlet conditions:

Type:	Plant water
Mixture (glycol / water) [%]:	100% water
Working pressure [bar(g)]:	10 barg max
Working temperature [°C]:	12° C inlet, 100°C Design

REV

AIR CONSUMPTION LIST

Plant air consumption				
ITEM	EQUIPMENT	FLOW [Nm ³ /h]	TIMELAP [s]	ACTION
V-001	Actuator valve	0.1	2	To open valve
V-002	Actuator valve	0.1	2	To open valve
V-003	Actuator valve	0.1	2	To close valve

Based on air conditions:

Type:	Plant air
Working pressure 6.0-8.0 [bar(g)]:	
Working temperature ambient [°C]:	

LUBRICANT LIST

ITEM	EQUIPMENT	PART	LUBRICANT	QUANTITY	
				FIRST FILL	CHANGE
	Compressor frame	Oil plate and main bearings	Shell Rimula X oil 30	32 L	(note 1)
	Compressor e-motor	Bearing(s)	Greased for live		

- (1) At run-in period to be checked each 500 hours (refer to maintenance guideline 5.1.1).
After run-in period to be checked each 750 hours (refer to maintenance guideline 5.1.4).