



AC-80550
 LEAN AMINE COOLER
 MANUFACTURER: CHART
 MODEL: 1-HF-60-2-14
 DUTY: 338 kW
 DESIGN: 1379 KPAG (200 PSIG)/FV @ -45/149°C (-49/300°F)
 HEADER C.A.: 3.2mm (1/8")
 ESTIMATED WEIGHT (EMPTY): 4979 KG (10976 LBS)

ACM-80550
 LEAN AMINE COOLER MOTOR
 MANUFACTURER/ENCLOSURE/FRAME: 254T/TEFC/TBA
 POWER: 15HP
 VOLTAGE: 460/3PH/60HZ
 RPM: 1750RPM

HM-80550
 COOLER ENCLOSURE HEATER MOTOR
 POWER: 1/2HP (0.37 kW)
 VOLTAGE: 480/3PH/60HZ
 RPM: TBD

H-80550
 COOLER ENCLOSURE HEATER
 MAKE: RUFFNECK
 MODEL: FX5-480360-250-WT
 20" FAN 25 KW
 C/W BUILT-IN THERMOSTAT

September 25, 2019
FOR CONSTRUCTION

GENERAL NOTES

- A. SUPPLIED AND WIRED BY OTHERS.
- B. ALL PIPING PROJECTING OUTSIDE OF THE BUILDING TO BE LOW TEMP MATERIAL BACK TO THE FIRST JOINT INSIDE BUILDING.
- C. LEAN AMINE (LA) PIPING DOES NOT REQUIRE P.W.H.T.
- 1. RUFFNECK ELECTRIC HEATER REQUIRED.
- 2. BOTTOM NEED TO BE ENCLOSED FOR WARM AIR RECIRC.
- 3. GREASE TUBING TO REACH GROUND LEVEL.
- 4. GRADE BELOW COOLER TO BE SLOPED AS PSV FOR COOLERS IS SIZED BASED ON THERMAL RELIEF ONLY AND NOT FIRE.
- 5. PLENUM AVERAGE TEMP.

* VALVES AND INSTRUMENTS SUPPLIED BY STARTEC AND SHIPPED LOOSE
 ** VALVES AND INSTRUMENTS SUPPLIED BY OTHERS
 --- FIELD PIPING BY OTHERS

NO.	DATE	BY	AP'D	DESCRIPTION	NO.	DATE	BY	AP'D	DESCRIPTION
A	19-01-07	DD	SR	ISSUED FOR APPROVAL					
B	19-01-21	DD		ISSUED FOR APPROVAL					
C	19-03-04	KJH		GENERAL REVISIONS					
D	19-04-17	GE		ISSUED FOR CONSTRUCTION					
0.1	19-05-13	GE		ISSUED FOR HAZOP					
0.2	19-09-16	GE		NO CHANGES ON THIS SHEET					

55 GPM AMINE GAS PLANT	
DRAWN: DD	DATE: 19-01-21
CHECKED: -	DATE: -
ENG. APPL: [Signature]	DATE: [Signature]
PACKAGE NO: -	
REFERENCE NO: -	

STARTEC
 COMPRESSION & PROCESS LTD.
 APBGA NO. P13139

CUSTOMER: [Blank]

TITLE: PIPING & INSTRUMENTATION DIAGRAM LEAN AMINE COOLER

SCALE: N.T.S. DRAWING NO.: 18061-PR-PID-010 REV. 0.2