

Genis E-Mako E255

Compressor

- NG MAKO 225 (2 throw, 3 stage)
- 3" Stroke 21,000 lb. combined rod load
- 7.250" D.A. Cylinder MWP 420 psig
- 5.375" S.A.H.E. Cylinder MWP 1050 psig
- 3.125" S.A.C.E. Cylinder MWP 1500 psig

Coolers - Fresco AC225

- Air-cooled, forced draft, electric fan powered via alternator
- Programmable individual interstage temperature control
- Finned Tube type high efficiency
- Designed for 105F Ambient & <20°F approach
- B31.3 process gas sections
- 1st Stage Intercooler section rated @ 1440 psig @ 350 F
- 2nd Stage Intercooler section rated @ 1440 psig @ 350 F
- After cooler section rated @ 1440 psig @ 350 F

Vessels

- Suction: Vertical 10" OD 425 psig MAWP @ 150 °F
- 1st Interstage: Vertical 10_ OD 425 psig MAWP @ 150°F
- 2nd Interstage: Vertical 10" OD 900 psig MAWP @ 150°F
- Designed to ASME Section VIII, Division I Code Stamp with National Board Registration.
- Hydro tested to 1.3 times MAWP
- Automatic liquid level control system
- High level shutdown
- Manual drain valve

Safety

- Process safety valves (PSV) sized for max flow at design pressures.
- PSV relief piping to atmosphere above head height
- Package Inlet PSV connection provided. PSV by others
- 1st Interstage PSV set @ 425 psig
- 2nd Interstage PSV set @ 900 psig
- 3rd Interstage PSV set @ 1440 psig

Motor

- Rated at 250HP
- 1300-1800 RPM
- Full Speed @ 60Hz
- 90% Load Estimates Monthly 133,245 KWH
- TECO Westinghouse C1D2 Housing

Process Gas Piping

- Made to ANSI B 31.3
- Manual cold gas recycle valve
- Stainless-steel braided flexible piping for process gas

Skid

- 7'8" X 18'6" Structural steel skid, partially concrete filled
- One-piece smooth steel deck plate
- All piping mounted on stand-offs for ease of cleaning
- Environmental rails around perimeter coming to four drain points

Control Panel

- Murphy GEN 1 Control System Evolution control panel
- Remote monitoring standard through M-Link Standard
- Shock mounted inner panel
- Shutdown interlocks and sensors:
- Compressor:
 - High/low suction pressure
 - High/low interstage pressures (1st & 2nd)
 - High/low discharge pressure
 - High discharge temperature each stage
 - Compressor low lube oil pressure
 - Compressor no lube oil flow
 - Compressor low lube oil level
 - High scrubber liquid level
 - One spare set of contacts with terminal plug
- Motor:
 - Motor Windings RTDs
 - Motor Vibration Accelerometer
 - Engine high lube oil temperature
 - Engine high jacket water temperature

Surface Preparation and Painting

- Mechanical wash assembled unit
- Prime coat
- Standard is Gray. Custom Topcoat colors may be available from Dealers

Estimated Weight: 16,500 pounds