

Mobile Wellhead Compressor Package

COMOTI produces gas screw compressor packages for high discharge pressures. Packages provides gas flow in range 5,000 ÷ 120,000 Nm³/day and maximum discharge pressure 46 bara.

An important program of research and testing was developed with the support and collaboration of GHH-Rand company for high pressure discharge oil injected screw compressor units which are now manufactured by COMOTI.

The screw compressor packages are suitable as wellhead compressors having high compression ratio on a single stage and the capability of operating even with negative suction pressure suitable for the existing conditions at unstable wells.

Research and testing has resulted in development of high flexibility compact packages with multiple stages for gas filtration and cooling to achieve requirements for each application with customized solutions in order to have high quality, good performance and reliability with minimum energy consumption and complete automation of the process.

Each package has drive and control system. Gas flow can be adjusted within a large range from suction or from discharge pressure. In case of operation two or more packages the control systems are interconnected.



Control system of package

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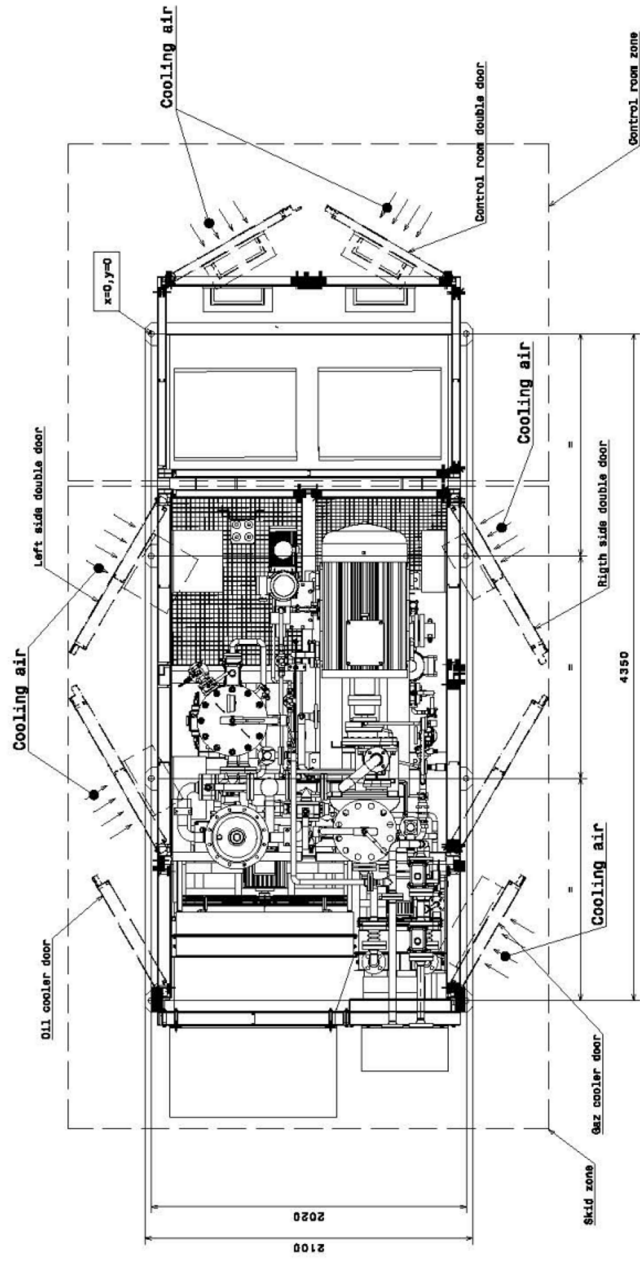
COMOTI
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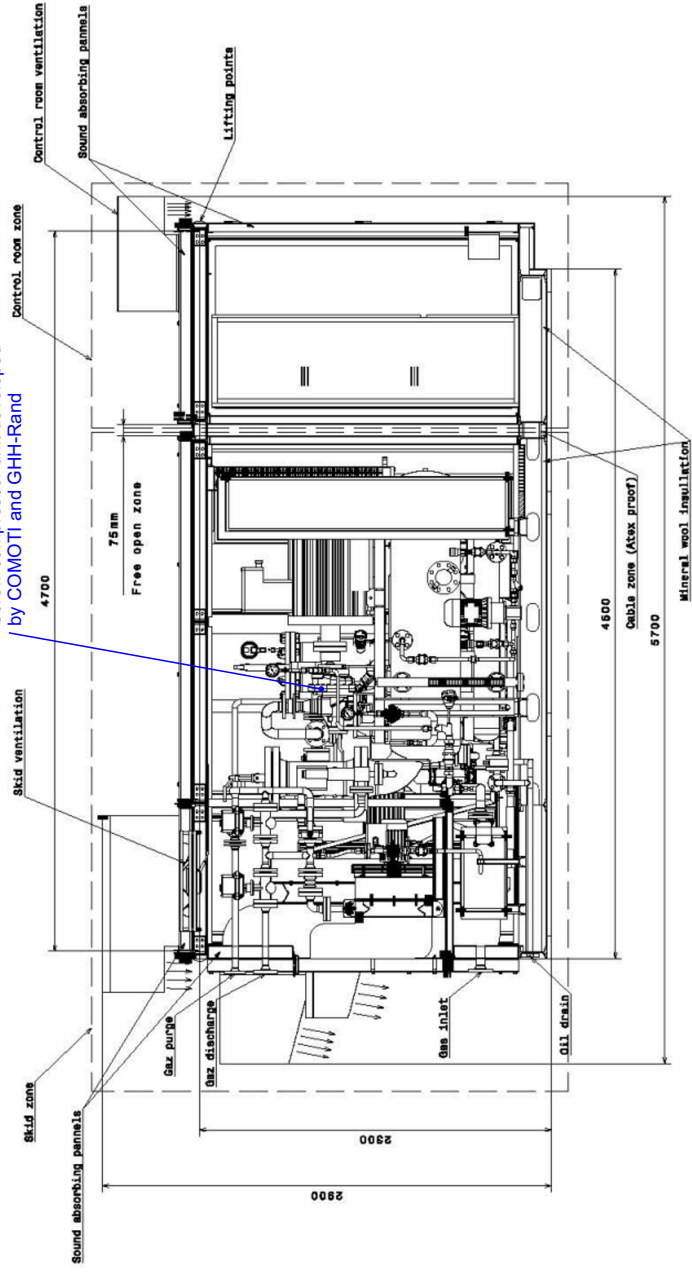
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COMOTI's Solutions for Energy



Screw compressor unit developed by COMOTI and GHH-Rand



S P E C I F I C A T I O N S

Power rating	90 kW	Compressor type	Screw - oil flooded
Flow rating	250 Nm ³	Flow control	Variable speed drive
Inlet pressure	3 ÷ 11 bara	Operation	Completely unmanned
Discharge pressure	max. 41 bara	Cooling oil	Air
Discharge temperature	45°C	Cooling gas	Air
Operating temperature	-35÷45°C (standard conditions)	Communication	GPRS or radio controlled
Dimensions (LxWxH)	2.2x5.7x2.9 m	Number of units	1 unit / 1 lift unit
Weight	6,000 daN	Medium	Natural gas
		Noise	max. 75 dBA