

SERIES S MECHANICAL COMPRESSORS

SAFE is an Italian key player in compression and decompression infrastructure technology. Since 1975 it develops and produces mechanical and hydraulic compressors for biomethane and natural gas in Upstream, Midstream Industrial and Distribution markets.

COMPRESSOR PHYSICAL DESCRIPTION



S SERIES

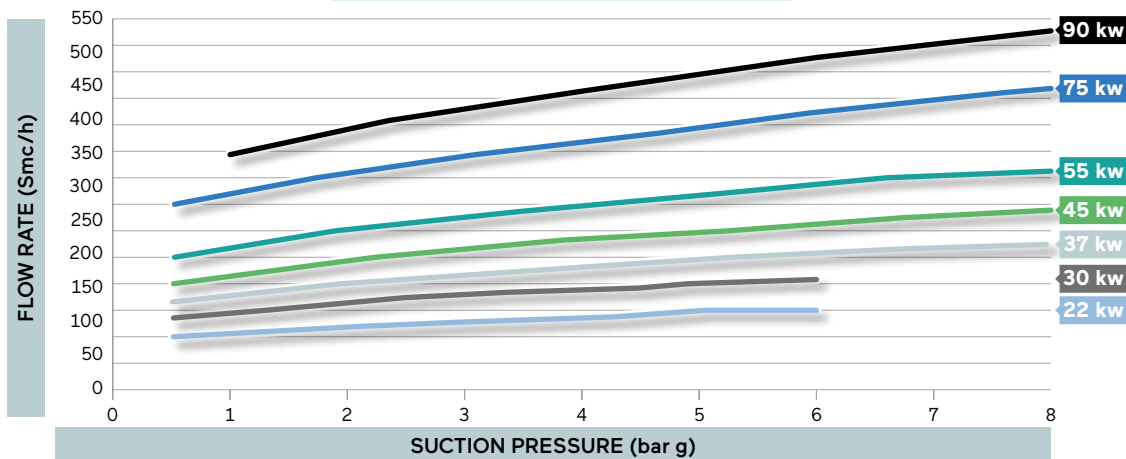
Small/medium size mechanical compressors suitable for:

- Public and private stations featured by low suction pressure and low hourly flow rates
- Small biomethane plants

DATASHEET (TABLE)

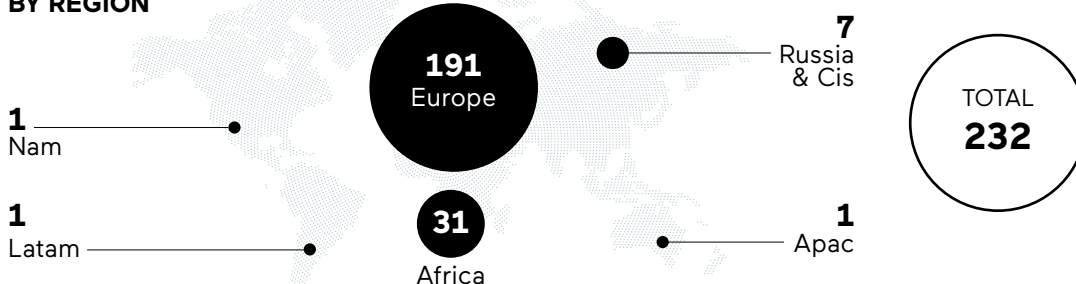
TECHNICAL FEATURES	UNIT OF MEASURE	VALUES
MODELS	-	S7, S9
CYLINDER	No.	4
STAGES	No.	4
SUCTION PRESSURE	bar (psi)	0.3 ÷ 8 (4 ÷ 120)
DISCHARGE PRESSURE	bar (psi)	200 ÷ 300 (2,900 ÷ 4,350)
MAX FLOW-RATE	Scm/hr (SCFM)	700 (413)
POWER	kW (Hp)	22 ÷ 90 (29.5 ÷ 120)
SPEED	rpm	750 ÷ 1,500
MAINTENANCE PLAN	hours	4,000
GAS HANDLED	-	Natural gas
CYLINDER FEATURES	-	Air cooled, non-lubricated
LUBRICATION SYSTEM	Liters	Forced lubrication system, with recovery (oil circuit)
OIL CONSUMPTION	%	2 over 100 hours of operation
GAS LEAKAGES	-	0.1% of the rated capacity
CERTIFICATIONS	-	EC/EAC - US

PERFORMANCE GRAPH



REFERENCE

BY REGION



COMPANY HISTORY

1975	SAFE is founded
1979	Production of the first HYDRAULIC Compressor
1988	Production of the first MECHANICAL Compressor
1992	Production of the first Oil & Gas Package
2008	Production of the first Mobile Refuelling Unit (MRU)
2010	Production of the first Biomethane solution
2011	SAFE moves to the new HQ in San Giovanni in Persiceto (BO) - ITALY
2017	SAFE&CEC is established through the Agreement between Landi Renzo and Clean Energy Fuels
2022	Idro Meccanica joins SAFE to foster H2 Market. Launch of the first HYDROGEN DISPENSER for filling stations fully designed and produced in-house

COMPANY SQM

ENTIRE PREMISES

27,000

PRODUCTION FACILITY

11,500

OFFICES & SERVICES

2,950

OTHER (parking)

12,550