

SERIES ST MECHANICAL COMPRESSORS

COMPRESSORS PHYSICAL DESCRIPTION



ST SERIES

Small/Medium size mechanical compressors with up to six cylinders arranged radially. They are suitable for:

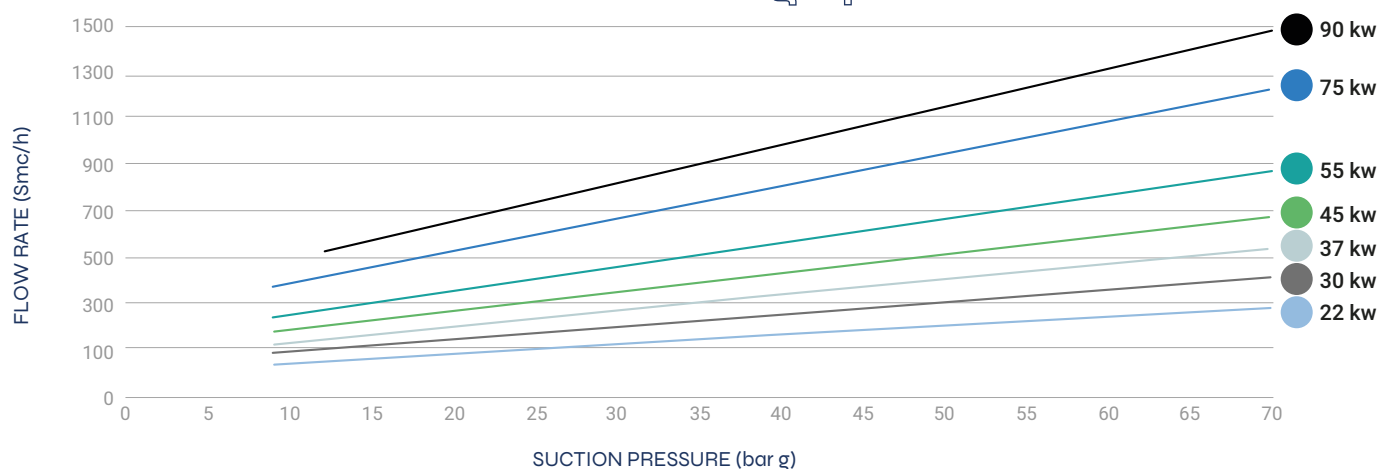
- All application where medium/high suction pressure is required
- Stations with medium/high hourly sales estimates
- Mobile refuelling units (MRU)

Datasheet (table)

DATA	UNIT OF MEASURE	VALUES
MODELS	-	C60
CYLINDER	No.	3 ÷ 6
STAGES	No.	1 ÷ 4
SUCTION PRESSURE	bar (psi)	8 ÷ 220 (120 ÷ 3,200)
DISCHARGE PRESSURE	bar (psi)	Up to 300 (4,350)
MAX FLOW-RATE	Scm/hr (SCFM)	1,650 (975)
POWER	kW (Hp)	22 ÷ 110 (29.5 ÷ 150)
SPEED	rpm	750 ÷ 1,500
MAINTENANCE PLAN	hours	4,000 in CNG; 8,000 in RNG*
GAS HANDLED	-	Natural gas
CYLINDER FEATURES	-	Water cooled, non-lubricated
LUBRICATION SYSTEM	-	Oil-bath crankcase mechanism
OIL CONSUMPTION	Liters	2 over 100 hours of operation
GAS LOSS	%	0.1% of the rated capacity
CERTIFICATIONS	-	EC/EAC-US

* at minimum speed rate

Performance graph



High level Description