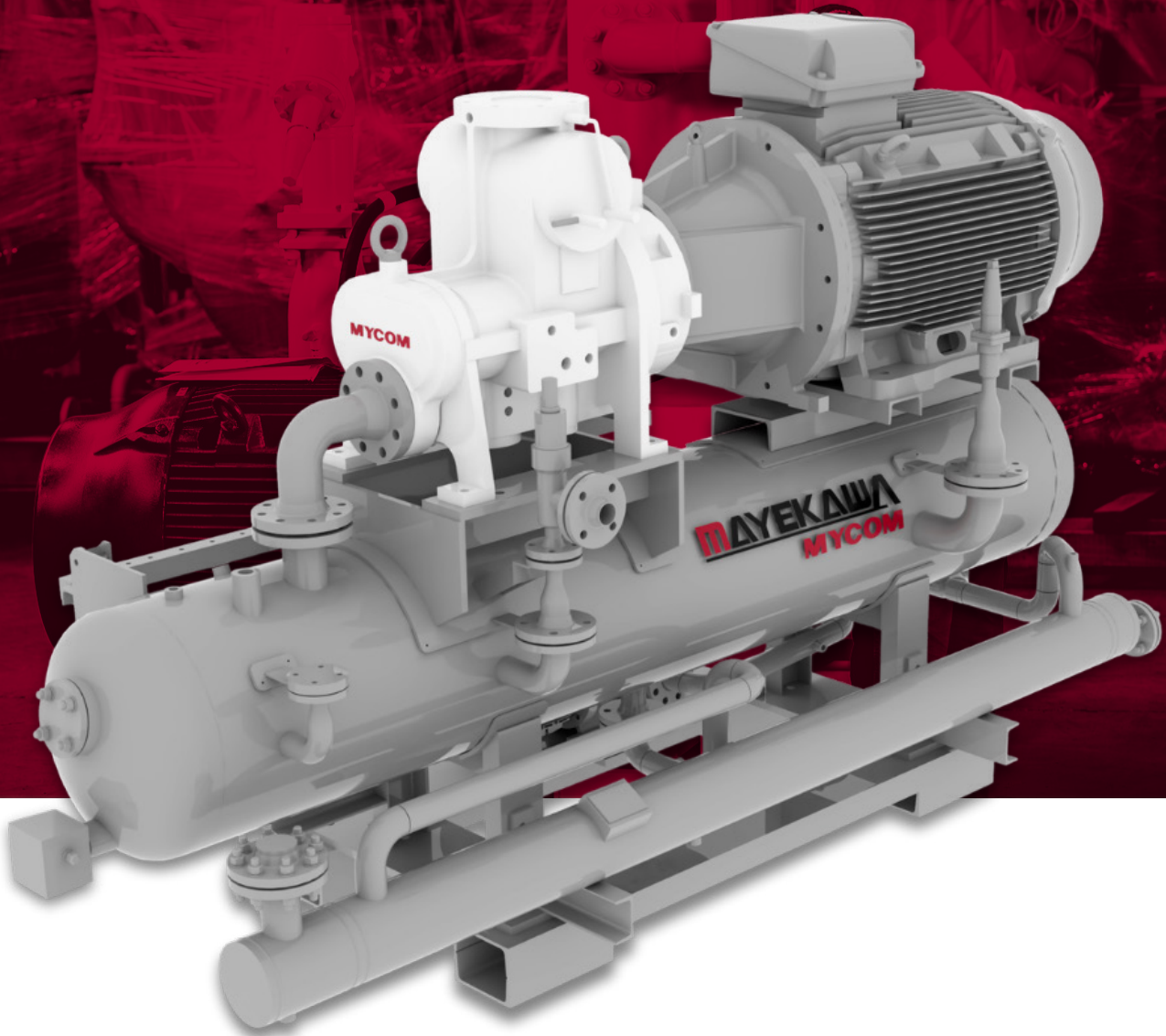


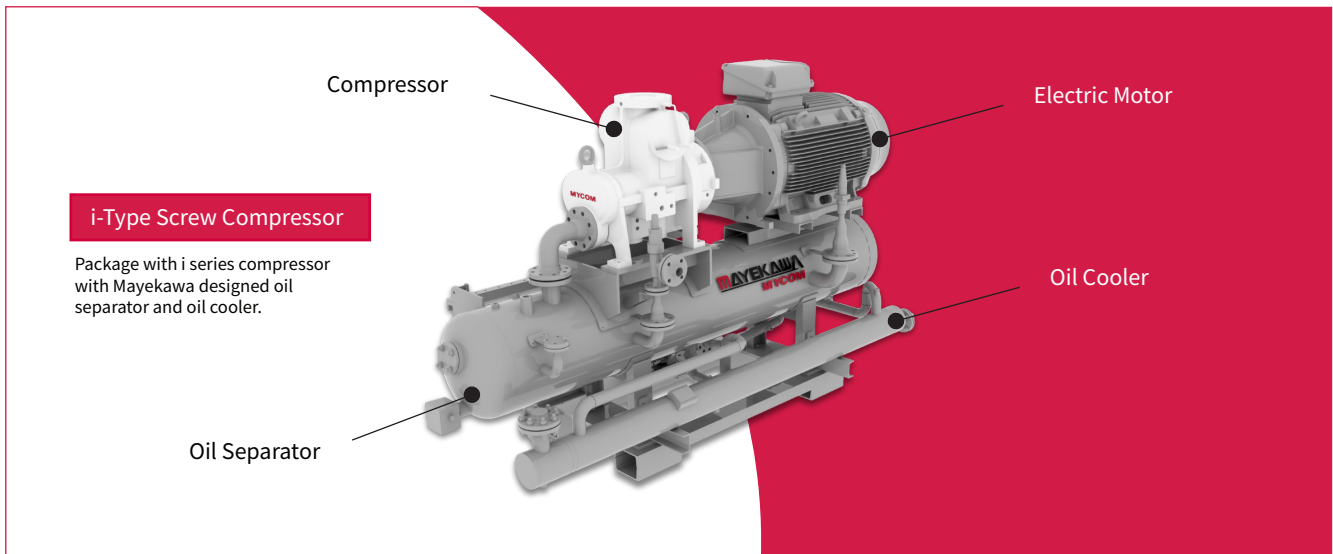
i
Series

Screw compressor unit

ΜΑΥΕΚΑΨΑ
MYCOM



*“Delivering benefits through
dialogues and technology”*



Description

The I-Type compressor unit **is a cost-effective and highly reliable solution for industrial refrigeration applications.** Designed as the successor to the proven FM-series, it features an improved stepped capacity control system and an increased design pressure, ensuring enhanced operational flexibility and performance.

Its robust design incorporates a built-in suction check valve and an integrated suction strainer, contributing to a compact layout while maintaining the same reliability standards as other compressor types. **This combination makes the I-Type compressor a budget-friendly choice without compromising durability or long-term performance under continuous operating conditions.**

Easy alignment

The flanged motor/compressor design provides a simple alignment solution.

Built-in suction strainer and check valve

The built-in suction strainer and check valve allow for easy maintenance.

Oil lubrication

The oil lubrication is achieved by differential pressure.

Capacity regulation

The capacity is regulated by solenoid valves in 3-steps (100%, 75%, 50%) for a simplified operation.

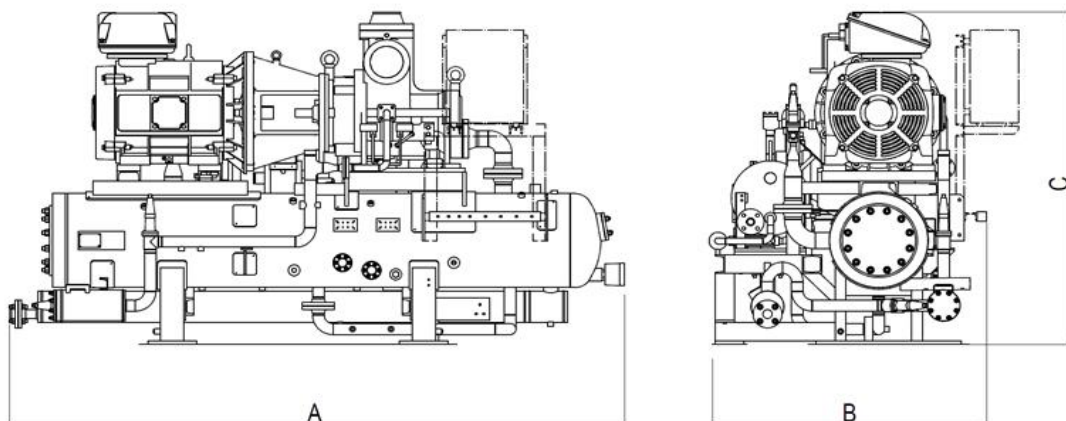
Further regulation is possible by frequency inverted operation.

Control panel

Our control panel provides optimized control for the entire compressor unit, including capacity control, VFD speed control, and alarm monitoring.

In-built safeties guaranty a high level of protection during operation.





60 Hz - R717

Model	Nominal capacities in kW at 60 Hz						Unit dimensions			Weight
	-5/+35°C	COP	-10/+35°C	COP	-30/+35°C*	COP	A	B	C	kg
i125S	184,7	4,22	150,2	3,49	69,6	1,9	3200	1600	1800	2050
i125L	274,8	4,33	223,7	3,58	103,6	2,0	3200	1600	1800	2100
i160S	399,5	4,35	325,4	3,6	152,3	2,0	3200	1600	2080	2300
i160M	498,9	4,52	406,4	3,74	189,7	2,1	3200	1600	2080	2300
i160L	598,1	4,56	487,2	3,78	227,0	2,1	3200	1600	2080	2300

Sub-cooling of 0°C and Super-heating of 0°C.

*Data with closed flash economizer

Dimensions and Weights, include closed flash economizer (when applicable) and control panel, are indicative

Weight, excluding motor & oil

Specifications

Items		Model							
		i125S	i125L	i160S		i160M		i160L	
Flange	IEC	FF400	FF500	FF500	FF600	FF500	FF600	FF500	FF600
Product mass*	kg	400	480	630	660	670	700	710	740
Speed (rpm)	50Hz/60Hz	2950/3550							
Rotation direction	m3/hr	Clockwise as viewed from motor							
Displacement 50Hz/60Hz		197/237	296/356	415/499		519/624		622/749	
Refrigerant		R717/R404A/R134a							
Design pressure	-	26							
Capacity control	-	3-steps (100%, 75%, 50%)			3-steps (100%, 75%, 50%)				
Connections	-								
Suction flange	-	MYCOM 100A (4")			ANSI 300 # 5"				
Discharge flange	-	MYCOM 65A (2 1/2")			ANSI 300 # 3"				
Oil inlet port	-	Rc 1/2			Rc 1				
Economizer	-	Rc 3/8			Rc 3/4				
Liquid injection	-	Rc 1/4			Rc 1/2				

* The weight includes the motor spacer flange (excl. the main drive motor)

Remarks: For the limits of working temperature, pressure and speed, please refer to the "Instruction Manual"

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