



### Emerson Climate Technologies at a Glance

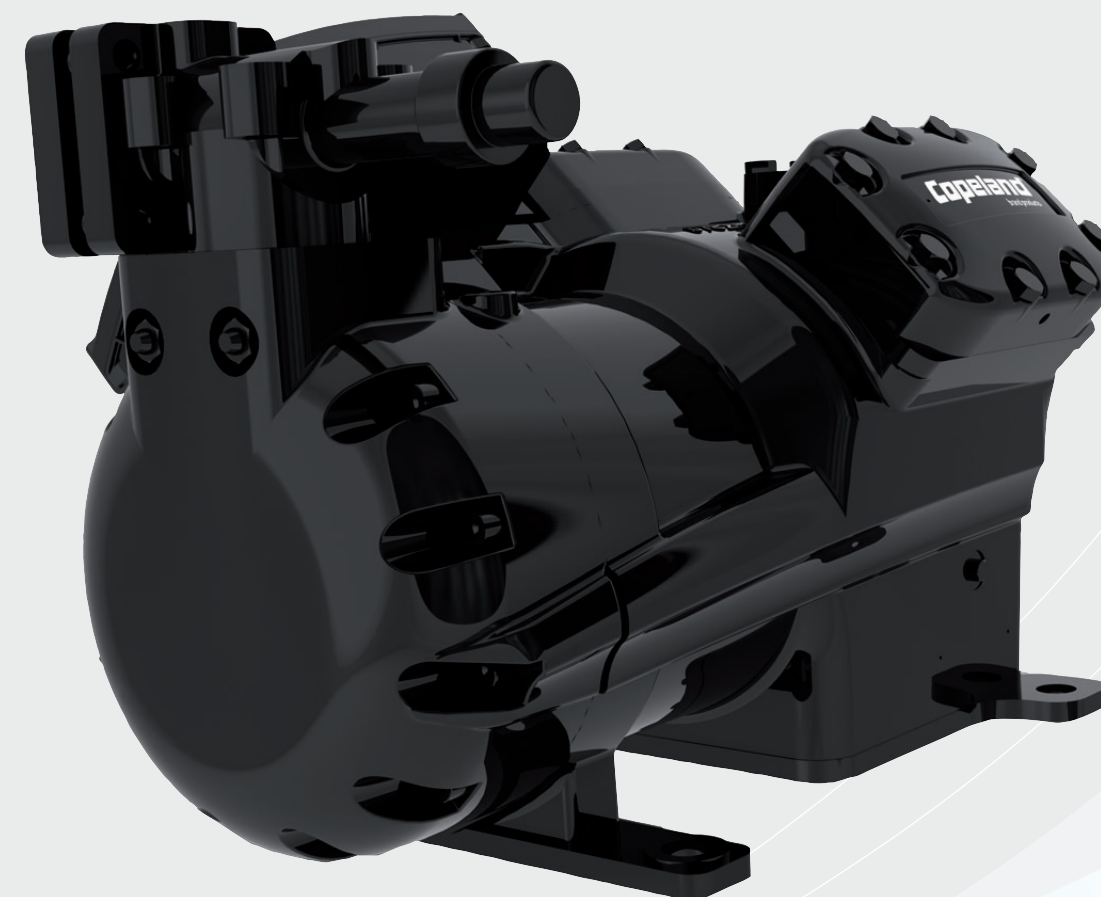
Emerson Climate Technologies is the world's leading provider of heating, ventilation, air conditioning, and refrigeration solutions for residential, industrial, and commercial applications. We combine technically superior products and services from our industry-leading

divisions and brands with our global engineering, design and distribution capabilities to create reliable, energy efficient climate systems that improve human comfort, safeguard food, and protect the environment.

**Copeland**  
brand products

## Stream Series

Designed to Deliver Best-in-Class Performance



For more details, see [www.emersonclimate.eu](http://www.emersonclimate.eu)

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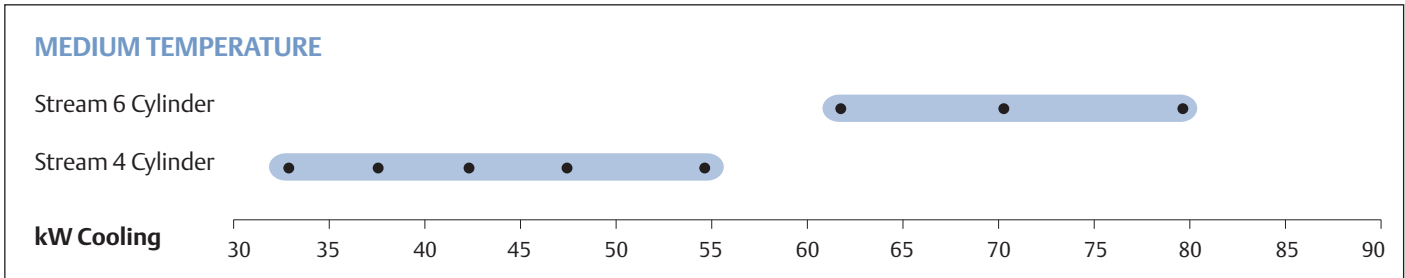
Emerson Climate Technologies introduces **Stream**, a brand new line of semi-hermetic 4 and 6 cylinder compressors. The Series provides best in class performance for today's HFC-based and uprising natural and low GWP refrigerants, significantly reducing cost of operation and environmental impact compared to competing products.

With advanced protection and diagnostics features for system reliability, reduced service costs and increase equipment uptime, the Stream series is built to last in today's modern changing world.

The Stream Series Features an Extended Model Line-up...

- Range of 8 models from 62 to 153 m³/h for today's HFC refrigerants
- One model suits all applications as it is compatible with R404A, R134a, R407A/C, R22
- Improved product range versus Discus: three additional models and two specific models with extended cooling capacity providing the best selection flexibility
- Range of 3 models for CO<sub>2</sub>-transcritical applications from 18 to 34 kW – see separate data sheet

Stream Line-up with R404A

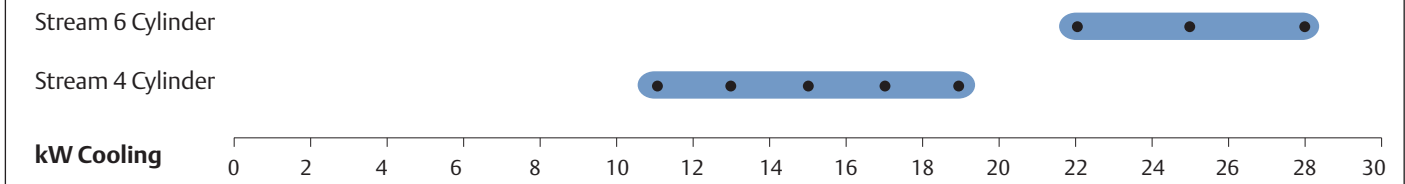


Cooling Capacity(kW) @ EN12900 Evaporating -10°C, Condensing 45°C, Suction Gas Temperature 20°C, Subcooling 0°C

... with Impressive Technical Highlights

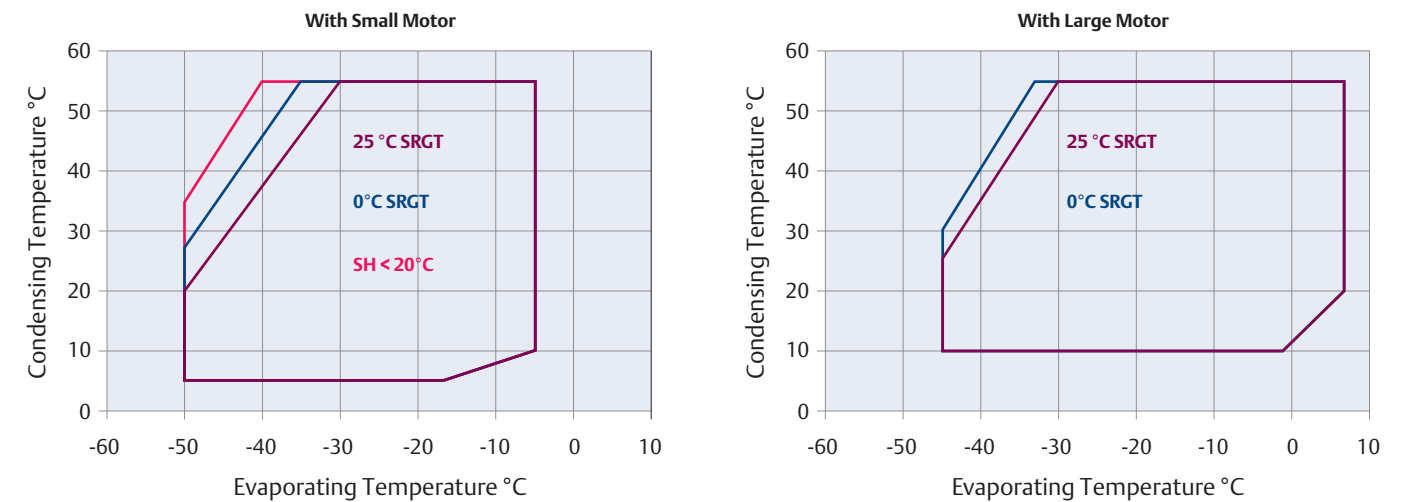
- Best-in-class seasonal efficiencies, up to 15% higher than semi-hermetic reciprocating compressors known in the market
- Reduced sound level for quiet operation
- Reduced dimensions and weight by up to 45 kg
- Wide operating envelope, one model fits all refrigeration applications, medium and low temperature
- Availability of 2 motor versions per displacement
- No cooling fan required for low temperature (0°C Suction Gas Return Temperature) to keep applied cost low
- Extremely low condensing temperatures for increased system efficiency
- Variable speed release from 25 to 75 Hz for capacity modulation related energy savings
- Emerson CoreSense™ Diagnostics technology providing advanced protection & diagnostics
- Advanced protection functions to ensure long compressor lifetime
- Protection and sensing devices pre-installed to reduce applied system cost
- Current sensor allowing for individual compressor power monitoring to stay on top of energy costs
- Integrated status LEDs for local communication via colour and flash codes
- Remote communication via Modbus® for faster service
- See separate data sheet for full details"

LOW TEMPERATURE



Cooling Capacity(kW) @ EN12900 Evaporating -35°C, Condensing 40°C, Suction Gas Temperature 20°C, Subcooling 0°C

Operating Envelopes with R404A



Technical Overview

Model	Nominal Horsepower (hp)	Displacement m³/h	Medium temperature		Low temperature		Net Weight (kg)	Footprint (mm)
			Cooling Capacity <sup>1</sup> (kW)	COP <sup>1</sup>	Cooling Capacity <sup>2</sup> (kW)	COP <sup>2</sup>		
4MF-13X	13	62	33.4	2.4	11.4	1.4	177	381 x 305
4MA-22X	22		33.6	2.4	10.8	1.4	178	
4ML-15X	15	71	38.7	2.3	13.2	1.5	180	
4MH-25X	25		38.8	2.4	12.5	1.4	187	
4MM-17X	17	78	42.6	2.3	14.7	1.5	182	
4MI-27X	27		42.8	2.4	13.9	1.4	188	
4MT-22X	22	88	47.8	2.3	16.5	1.5	183	
4MJ-30X	30		48.0	2.3	16.0	1.4	190	
4MU-25X	25	99	54.2	2.3	18.7	1.5	186	
4MK-32X	32		54.2	2.4	17.7	1.4	202	
6MM-27X	27	120	61.8	2.3	21.6	1.4	215	
6MI-35X	35		64.2	2.4	20.3	1.4	219	
6MT-32X	32	135	70.4	2.3	25.1	1.5	221	
6MJ-40X	40		72.4	2.3	23.6	1.4	223	
6MU-40X	40	153	79.8	2.3	28.4	1.4	225	
6MK-50X	50		82.1	2.3	26.6	1.4	230	

<sup>1</sup> R404A Evaporating -10°C, Condensing 45°C, Suction Gas Temperature 20°C, Subcooling 0K

<sup>2</sup> R404A Evaporating -35°C, Condensing 40°C, Suction Gas Temperature 20°C, Subcooling 0K