

2 Product description

2.1 General information about Copeland Stream™ semi-hermetic compressors

These guidelines cover Copeland Stream™ semi-hermetic compressors. The semi-hermetic reciprocating compressor family consists of different ranges. The Stream™ series of 4M* and 6M* models ranges from 13 hp to 50 hp.

Model	Nominal horsepower [cv]	Displacement [m³/h]	High temperature ⁽¹⁾		Medium temperature ⁽²⁾		Low temperature ⁽³⁾		Net weight [kg]	Footprint [mm]
			Cooling capacity [kW]	COP	Cooling capacity [kW]	COP	Cooling capacity [kW]	COP		
			R134a		R448A / R449A		R448A / R449A			
4MF-13x	13	62	33.20	3.28	28.00	2.17	8.60	1.37	177	381 x 305
4MA-22X	22		34.60	3.41	31.80	2.54	8.24	1.34	178	
4ML-15X	15	71	39.70	3.30	36.10	2.40	10.90	1.43	180	
4MH-25X	25		39.90	3.30	36.20	2.44	9.93	1.31	187	
4MM-20X	17	78	43.50	3.28	39.40	2.36	12.25	1.44	182	
4MI-30X	27		43.70	3.30	41.00	2.48	11.30	1.38	188	
4MT-22X	22	88	49.30	3.26	44.50	2.36	14.00	1.45	183	
4MJ-33X	30		48.60	3.30	45.10	2.43	12.70	1.38	190	
4MU-25X	25	99	55.10	3.20	49.40	2.28	14.95	1.39	186	
4MK-35X	32		54.50	3.17	50.70	2.37	14.40	1.35	202	
6MM-30X	27	120	65.80	3.21	59.00	2.32	18.35	1.40	215	
6MI-40X	35		64.70	3.16	61.90	2.48	17.85	1.38	219	
6MT-35X	32	135	73.60	3.17	65.30	2.28	20.60	1.41	221	
6MJ-45X	40		72.60	3.16	69.10	2.43	20.40	1.42	223	
6MU-40X	40	153	81.10	3.07	76.30	2.41	23.20	1.42	225	
6MK-50X	50		80.70	3.05	76.40	2.39	22.10	1.35	230	

¹⁾ R134a: Evaporating 5 °C, condensing 50 °C, suction superheat 10 K, subcooling 0 K

²⁾ R448A / R449A: Evaporating -10 °C, condensing 45 °C, suction gas temperature 20 °C, subcooling 0 K

³⁾ R448A / R449A: Evaporating -35 °C, condensing 40 °C, suction gas temperature 0 °C, subcooling 0 K

Table 1: Stream compressors range and performance

Stream compressors are suitable for a wide range of applications in the form of either single compressors, condensing units or as multi-compressor equipment.

NOTE: The compressor is only one component which must be combined with many others to build a functional and efficient refrigeration system. Therefore, the information in this manual relates to Copeland Stream semi-hermetic compressors with standard equipment and accessories only.

2.2 Nomenclature

The model designation contains the following technical information about Stream compressors:

