



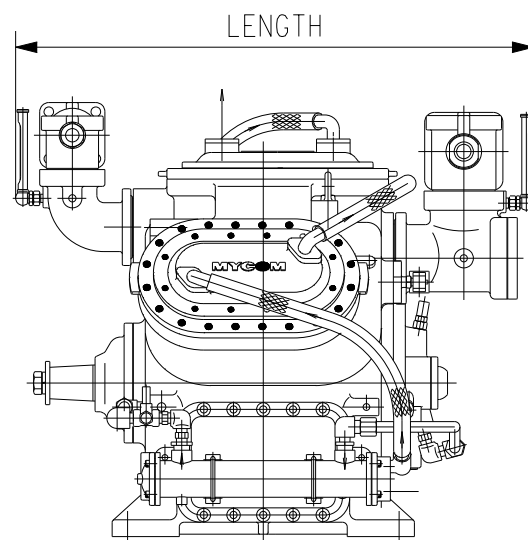
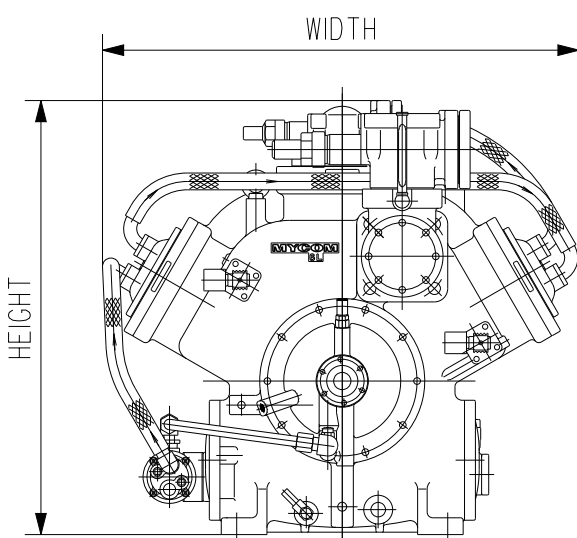
RECIPROCATING COMPRESSOR

L-Series

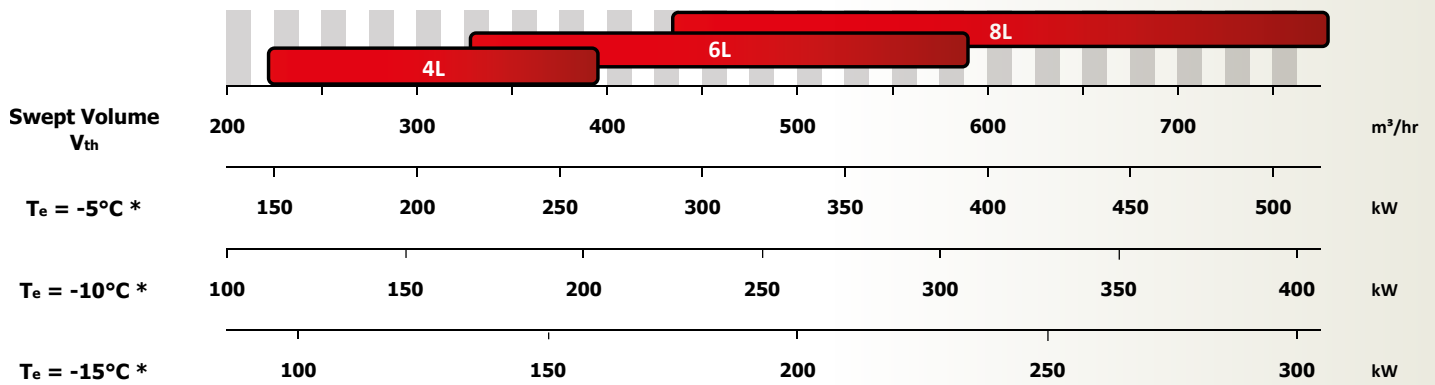


The L-series

is well suited for the WB capacity range and is able to be direct coupled to a 4 pole motor (maximum 1750 rpm with NH₃) to create a small, light weight, high speed unit. Either HFCs or NH₃ refrigerant can be used in the L-series. The compressor has been designed by our best engineers using all MAYEKAWA's know how. For instance, the unloader oil pressure piping including lubricating oil line are well built into the machine body, eliminating the need for external piping which makes the L-series compact resulting in less maintenance space and service friendly.



TYPE	WEIGHT (kg)	WIDTH	LENGTH	HEIGHT
4L	565	900	875	870
6L	675	1010	1100	885
8L	785	1070	1160	920



* Refrigerant NH_3
 $T_c = 35^\circ\text{C}$

ITEM	LIMIT VALUE	REMARKS
Maximum discharge pressure [barG]	20	
Maximum suction pressure [barG]	5.88 ¹⁾	
Minimum suction pressure [barG]	-0.733	
Maximum differential pressure [barG]	14.7	Pd-Ps
Design pressure [barG]	14.6 / 26	Low/High
Maximum compression ratio [-]	$\text{NH}_3: \leq 9$	Limited on discharge temperature
Maximum discharge temperature [$^\circ\text{C}$]	$\text{NH}_3: 140$	
Minimum suction temperature [$^\circ\text{C}$]	-60	
Maximum oil supply temperature [$^\circ\text{C}$]	50	Oil cooler outlet
Suction superheat [K]	$> 0, \leq 15$	
Minimum/maximum cooling water inlet temperature [$^\circ\text{C}$]	15 / 50	Water temperature for head covers ≤ 50
Minimum/maximum rotation speed (rpm)	970 / 1750 (1500)	() in Belt drive unit

1) Standstill is included.

WORLDWIDE

- 40 countries / 127 offices
- 8 production plants



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