

NEW STANDARD SCREW COMPRESSOR

J-Series

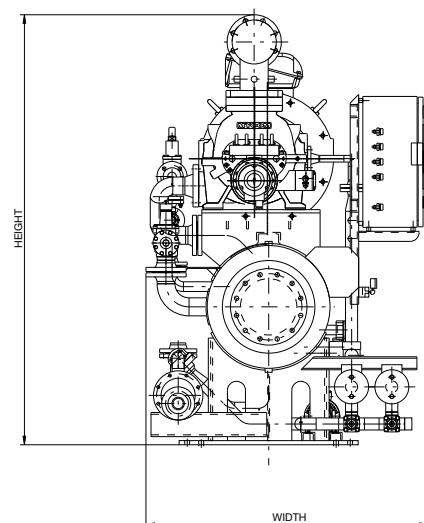
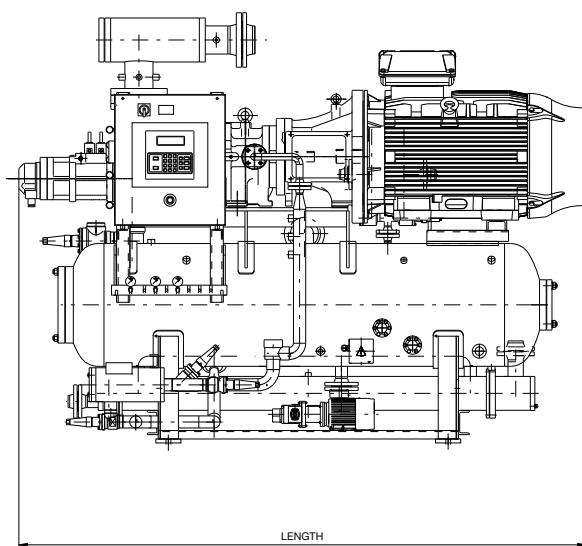


with its innovative new rotor profile will revolutionize the refrigeration industry. With this winning design, our focus being driven towards energy efficiency, the COP (Coefficient of Performance) has even surpassed **MAYEKAWA's** high standards.

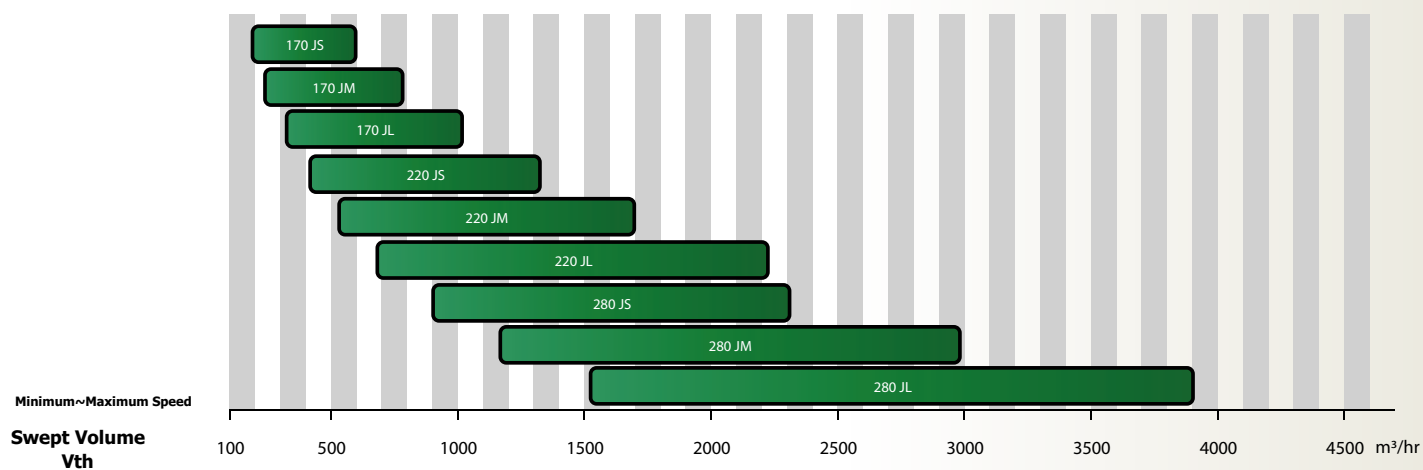
New J profile engineering allows a more proficient meshing between the lobes, which are now 5 and 6 for male and female respectively. The end result is superior performance.

The J-series basically adopts three V_i values of 2.50, 3.50, and 5.00. The J-series compressors are designed to automatically adjust V_i according to operating conditions using the controller.

The J-Series is a very efficient screw compressor design compared to others operating at single stage economized operating conditions, or even a conventional two stage arrangement. This makes your plant design simpler, saves space, and is more cost effective.



UNIT TYPE	WEIGHT (kg)	WIDTH (mm)	LENGTH (mm)	HEIGHT (mm)
170JS	3650	1500	2700	2130
170JM	3700	1500	2700	2130
170JL	3800	1500	2700	2130
220JS	5900	1900	4010	2550
220JM	6000	1900	4010	2550
220JL	6200	1900	4010	2550
280JS	9600	2200	4800	3600
280JM	10200	2200	4800	3600
280JL	11000	2200	4800	3600



		170J			220J			280J		
		S	M	L	S	M	L	S	M	L
Refrigerant	NH3, HFC, CO2 and HC									
Bare compressor weight	kg	685	715	760	1255	1315	1385	2285	2435	2585
Minimum rotation	rpm	1450								
Maximum rotation	rpm	4500						3600		
Displacement @2950rpm	m3/h	390	506	659	856	1113	1447	1886	2450	3190
Design pressure	barG	35								
Maximum suction pressure	barG	10								
Minimum suction pressure	barG	-0,8								
Maximum discharge pressure	barG	32								
Capacity control	S type and M type: 25% to 100% / L type: 30% to 100%									
Step Vi control	Standard: 2.5 to 5.0									
Minumum suction temperature	°C	-50								
Maximum discharge temperature	°C	100								
Integrated suction check valve	-	o			o			x		
Integrated solenoid valve	-	o			o			x		

WORLDWIDE

- 47 countries / 99 offices
- 11 production plants



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