



NEW STANDARD SCREW COMPRESSOR

J-Series



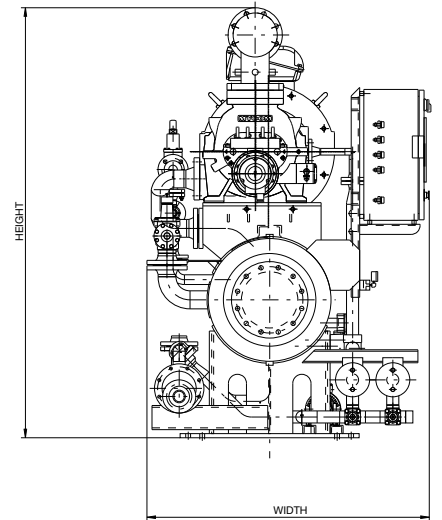
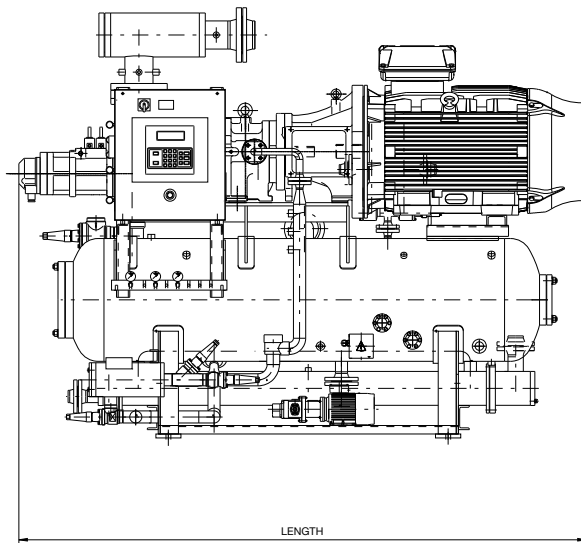
The J-series

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.

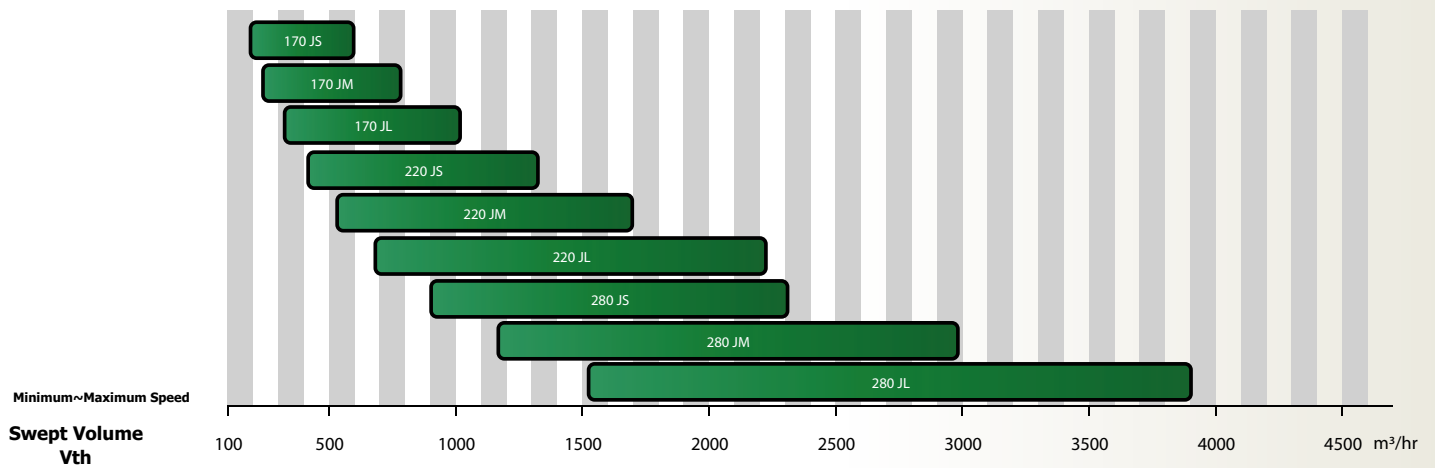
New J profile engineering allows a more proficient meshing between the lobes, which are now 5 and 6 for male and female respectively. The end result is superior performance.

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

- 40 countries / 127 offices
- 8 production plants



EMEA Organization

ABU DHABI

Ali & Sons Business Center Office No. 201
Ali Khalfan Rashed Al Mutawa Al Dhahiri Bldg.
Plot no 29, Al Ain Road, Umm Al Nar
Tel. +971 2 5102151
Fax +971 2 5102571

BULGARIA

Kamen Andreev Str. 24, 1303 Sofia
Tel. +359 2 8910130
Fax +359 2 8910131

DUBAI

P.O. Box 61349, W-HOUSE
No. RA-08-UC05
Jebel Ali Free Zone Dubai, UAE
Tel. +971 4 8886363
Fax +971 4 8886373

EGYPT

New Cairo, 5th Settlement
North 90th St.
The 47th Building
Tel. +20 22 5062925
Fax +20 22 5032901

FRANCE (representative agent) Siège social

8, rue des Fontenelles
44140 Le Bignon
Tel. +33 1 30 582600
Fax +33 1 30 581937
<http://www.mayekawa.eu/fr>
E-mail: mayekawa.france@mayekawa.eu

East Branch Office - Service

1, rue Blaise Pascal – Bat. B
78190 Trappes-en-Yvelines

ZA DE L'ECO PARC - Rue François Coli
Bâtiment H - 33290 Blanquefort
Tel. +33 1 30 582600
Fax +33 1 30 581937

West Branch Office

Food Processing Division
2, Rue de la Cassoire
Parc d'Activité de la Barricade
22170 Plerneuf
Tel. +33 2 96765913
Fax +33 1 30581937

GERMANY Mayekawa Deutschland GmbH

Zum Buckesch 7a
48336 Sassenberg-Füchtorf
Tel. +49 (0) 5426 9059224

Vertrieb BRD/Österreich

Tel. +49 151 42628055
<http://www.mayekawa.de>
Email: info@mayekawa.de

HUNGARY

Köbányai út 10/A
2049 Diósd,
Tel. +36 23 545712
Fax +36 23 545715
<http://www.mayekawa.eu>
E-mail: hungary@mayekawa.eu

ITALY Milan Office

Via Riccardo Lombardi 19/12
20153 Milano
Tel. +39 2 48929218
Fax +39 2 4531728

Bologna Office

Via Pradazzo 7 40012
Calerara di Reno
Tel. +39 51 726364
Fax +39 51 726804

MOROCCO

6, Allée des Cyprès
20250 Casablanca
Tel. +212 600 041241

POLAND

ul. Druskiennicka 8/10
60-476 Poznan
Tel. +48 61 8420738
Fax +48 61 8485837

RUSSIA Moscow Office

Polkovaya St, House 1, bldg 1
127018 Moscow
Tel. +7 499 2300176 / 78
Fax +7 499 2302112
<http://www.mayekawa.ru>
E-mail: info@mayekawa.ru

Vladivostok Office

Tigrovaya st., 30, office 22
690091, Vladivostok
Tel. +7 423 279-1503

SOUTH AFRICA

West End
Unit 3 Prime Park
Printers Way
Montague Gardens 7441
Tel. +27 21 5511434
Fax +27 86 5463618

SPAIN

Calle Montevideo 5, Nave 13
Pol. Industrial Camporosso
28806 Alcala de Henares, Madrid
Tel. +34 91 8300392
Fax +34 91 8300397
<http://www.mayekawa.es>
E-mail: mayekawa@mayekawa.es

SWITZERLAND

Rosenbergstrasse 31
6300 Zug
Tel. +41 41 7268626
Fax +41 41 7268620
<http://www.mayekawa.ch>
E-mail: info@mayekawa.ch

TURKEY

Dünya Ticaret Merkezi
A/2 Blok Kat: 10 No. 325
Yeşilköy
Istanbul
Tel. +90 212 46536 31- 34
Fax +90 212 4653635

UKRAINE

Golosevskaya Street 7
Office 122-123
03039 Kiev
Tel. +38 44 2514662

UNITED KINGDOM

16 Oakhurst Gardens
DA7 5JP Bexleyheath, Kent
Tel. +44 1322 433558
Fax +44 1322 433164

Japan Head Office

3-14-15 Botan Koto-ku
Tokyo 135 8482, JAPAN
Tel. 81 3 3642 8181
Fax 81 3 3643 7094
E-mail e-public@mayekawa.co.jp

MAYEKAWA Europe nv/sa

Leuvensesteenweg 605
1930 Zaventem - Belgium
Tel. +32 2 7579075
Fax +32 2 7579023
<http://www.mayekawa.eu>
E-mail info@mayekawa.eu

