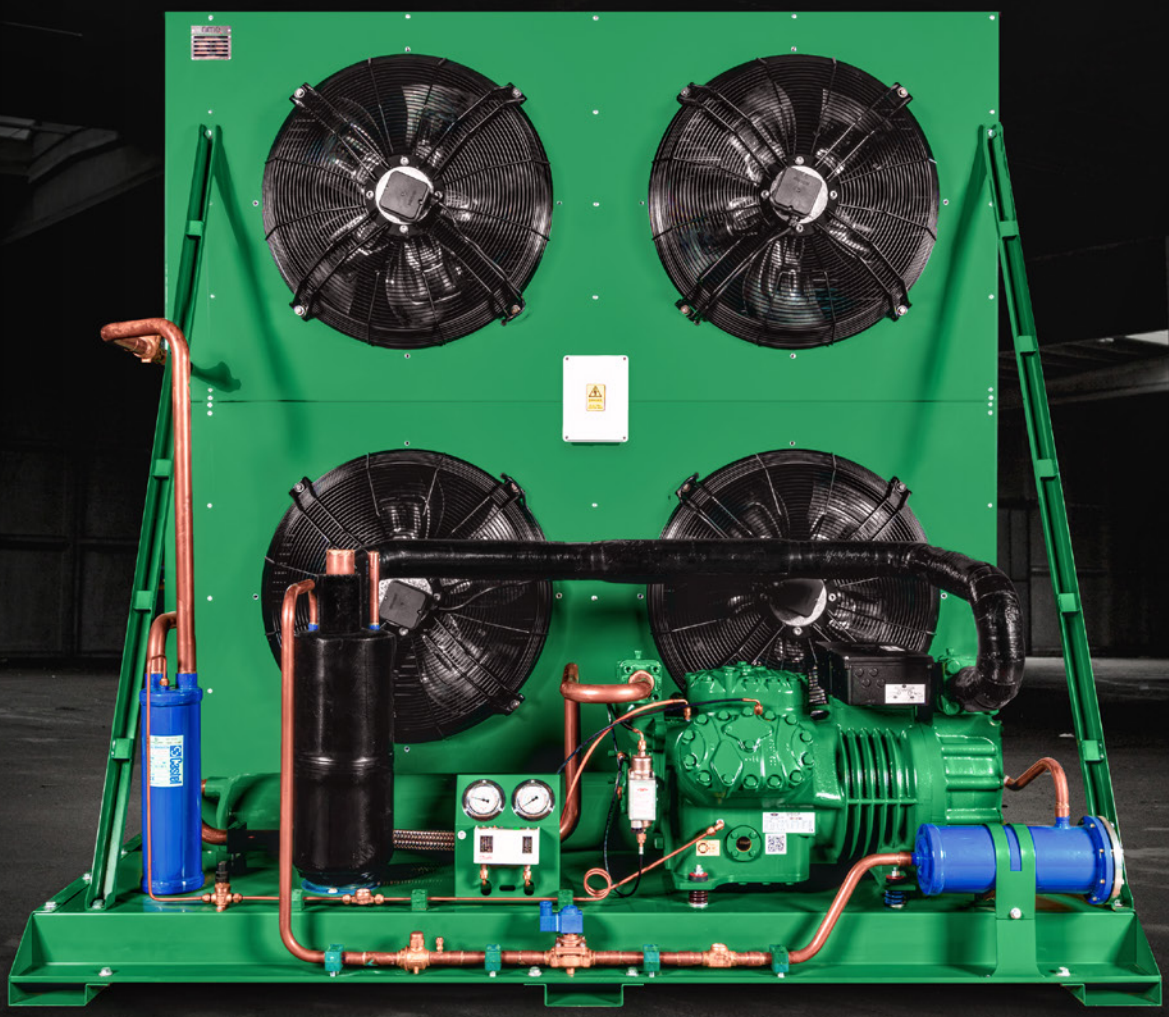
CERTIFIED PRODUCT
ASERCOM

rime

AIR COOLED
CONDENSING UNIT
with BITZER compressor-50 Hz



ENGINEERED & MANUFACTURED BY RIME

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CONTACT

For inquiries, consultations, or to learn more about our innovative refrigeration solutions, please get in touch with us:
sales@rimegroup.com

For customer support email us:
support@rimegroup.com

Company Overview

Rime is a global manufacturer of refrigeration products for the commercial and industrial sectors, offering an extensive range that includes heat exchangers, condensing units, refrigeration racks, and HVAC copper products. Strategically headquartered in the Jebel Ali Free Zone, Dubai, the company leverages its UAE location to ensure efficient distribution, timely deliveries, and industry excellence.

Our Mission

We strive to deliver high-quality, cost-effective refrigeration solutions focusing on advanced manufacturing and assembly. We aim to provide superior products and exceptional service, ensuring a seamless customer experience and ongoing support.

Our Vision

To lead the HVAC and Refrigeration industry from the GCC to the global stage, setting the benchmark for cost-effective and innovative solutions. Through advanced manufacturing and assembly practices, we strive to pioneer cutting-edge technologies that optimize energy efficiency, minimize environmental impact, and make a significant, positive difference worldwide.

Core Values

Responsiveness: We value responsiveness in our interactions with clients, partners, and team members. We prioritize open communication and timely actions to address their needs efficiently.

Integrity: It is at the core of our business. We uphold ethical practices, transparency, and honesty in all our endeavors, building trust and long-lasting relationships with our stakeholders.

Mindfulness: Extends to our workplace culture. We are committed to fostering a supportive and inclusive environment where employees well-being and personal growth are prioritized, ensuring a positive and collaborative work atmosphere.

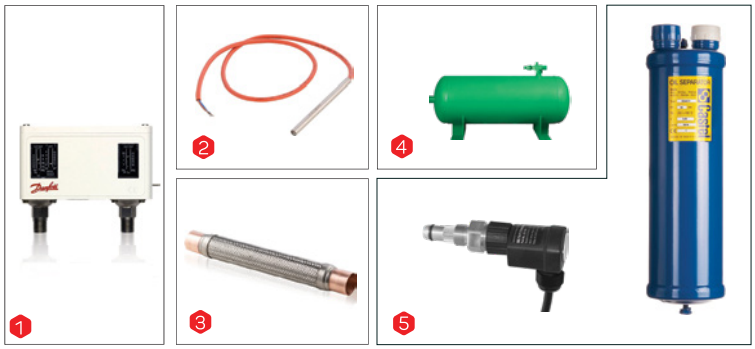
Empowerment: We believe in empowering our team members to foster creativity, growth, and professional development. We encourage collaboration and foster an environment where everyone›s ideas and contributions are valued.

Air Cooled Condensing Unit Overview

Our Air Cooled Condensing Units, including ASERCOM certified models, feature state-of-the-art BITZER reciprocating compressors, delivering exceptional cooling performance while maintaining a quiet environment for precise temperature control and whisper-quiet operation. Crafted with unmatched structural strength and precision-engineered using CNC-machined copper piping, RIME's Air Cooled Condensing Units ensure durability and long service life, making them the ultimate choice for your cooling and freezing needs.

KEY FEATURES	BENEFITS
BITZER Compressors: Our units are equipped with reliable BITZER semi-hermetic reciprocating compressors, available in both single- and two-stage configurations.	**Temperature Control:** Ensures precise and consistent temperature regulation, maintaining optimal conditions for products in both cold storage and production processes.
Wide Temperature Range: Suitable for applications ranging from low-temperature freezing to high ambient conditions.	**Exceptional Strength:** Engineered with high-quality materials and precision manufacturing, providing a strong and stable structure.
Robust Construction: Designed with a sturdy structure and finished with electrostatic powder coating to ensure enhanced durability and long service life.	**Easy Installation:** Thoughtfully designed component layout enables quick and hassle-free on-site installation.
Elegant Design: Combines high technical performance with a sleek and cohesive design, featuring a matching color scheme for both the unit body and compressor.	**Low Maintenance:** High reliability and superior build quality reduce maintenance needs and lower operational costs.
Efficient Cooling: CNC-machined copper piping and 45% silver brazing ensure leak-proof operation and high cooling efficiency.	**Quiet Performance:** Incorporates vibration absorbers and well-balanced condenser fans to minimize noise levels.
Precision Pipe Work: CNC pipe bending ensures high accuracy, reducing the risk of leakage and minimizing pressure drop.	**Reliability:** Built for long-term performance with robust components and expert engineering, reducing the risk of breakdowns and operational interruptions..

STANDARD SCOPE OF SUPPLY



1. HP/LP Switch
2. Compressor with crankcase heater
3. Vibration absorber
4. Liquid Receiver
5. Oil pressure switch (Delta PII) and oil separator:
   (For medium temperature applications, 30Hp to 60Hp)
   (For low temperature applications, 7Hp to 44Hp)

ADDITIONAL COMPONENTS

1. Filter Dryers
2. Solenoid Valve
3. Sight Glass
4. Hand Valve
5. Condenser Head Pressure Control (KP5)
6. Accumulator

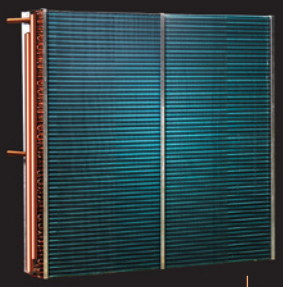
rime.

AIR COOLED CONDENSING UNIT

A CLOSER LOOK

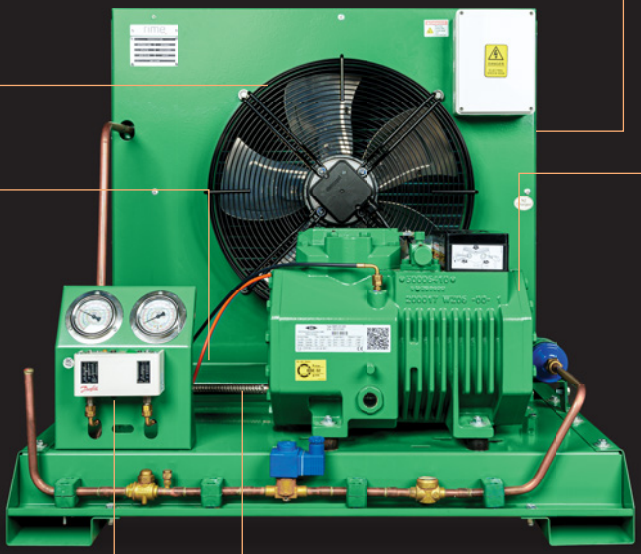
FAN

The condensing unit utilizes EBM-papst axial fans, which are engineered for high efficiency and low-decibel operation. These fans feature a detachable guard grille for easy maintenance and are equipped with IP54-rated, F-class insulated electric motors that are balanced and tested prior to installation.



CONDENSER COIL

The condenser coil is constructed with staggered, mechanically expanded copper tubes and fins designed with sine waves. This specific geometry increases the heat transfer coefficient by creating maximum turbulence within the airflow, ensuring optimal heat exchange between the tubes and fin plates.



RECEIVER

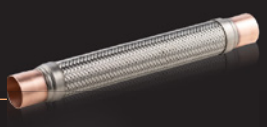
All horizontal and vertical receivers are manufactured and tested according to ASME standards at a pressure of 45 bar and include a safety valve. The receiver's storage capacity is specifically selected to match the compressor model and the overall refrigeration requirements of the system.

COMPRESSOR

The system is powered by BITZER semi-hermetic reciprocating compressors, known for being both energy-efficient and eco-friendly. These units are designed to deliver the necessary refrigeration capacity while maintaining minimal energy consumption.

HIGH AND LOW PRESSURE SWITCH

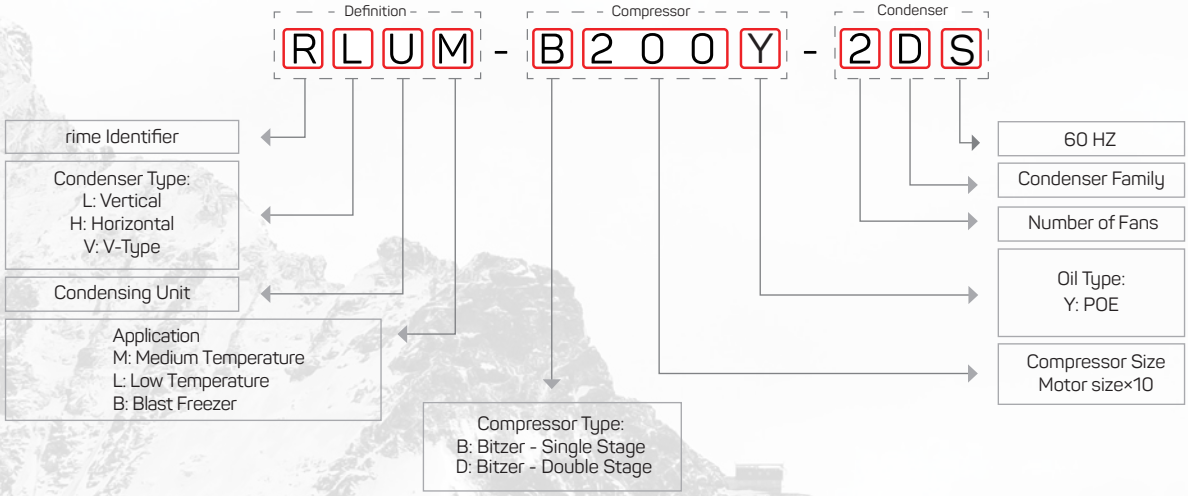
To ensure system safety, Rime condensing units are equipped with KP15 pressure switches. These switches protect the hardware by monitoring for low suction or high discharge pressure, automatically starting or stopping the compressor and fans as needed.



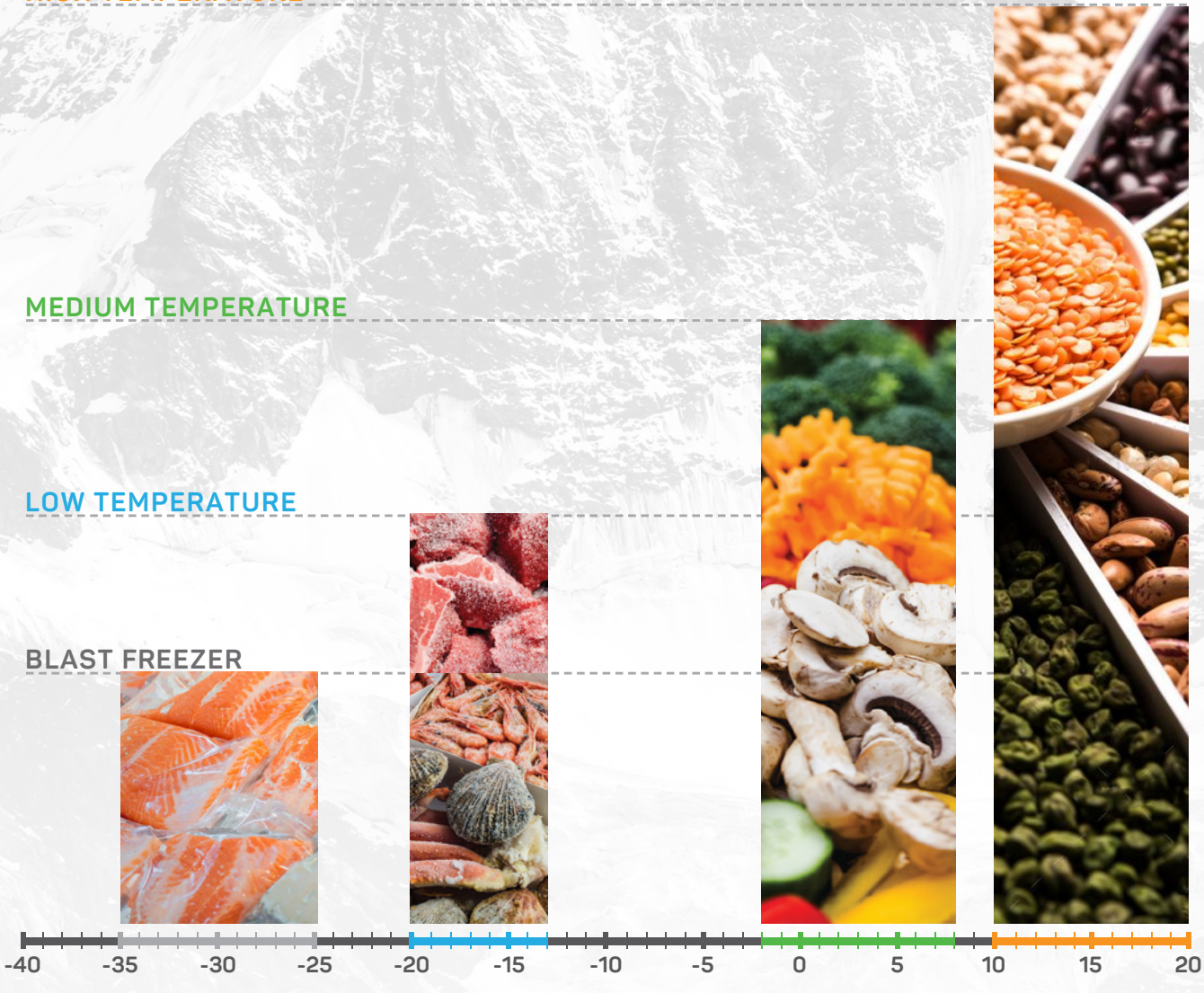
VIBRATION ABSORBER

The unit incorporates Packless vibration absorbers made of deep-pitch corrugated tubing to provide flexibility and dampen mechanical noise. These are installed in the discharge lines to prevent the transmission of compressor-induced vibrations through the rest of the piping system.

NOMENCLATURE



APPLICATION BY **TEMPERATURE**



MODELS

Medium Temperature - R404A

No	MODEL NAME	COMPRESSOR	Qc (kW)	Pi (kW)
1	RLUM-B005Y-1A	2KES-05Y-40S	1.5	1.1
2	RLUM-B007Y-1A	2JES-07Y-40S	2.1	1.5
3	RLUM-B020Y-1B	2HES-2Y-40S	2.7	2.1
4	RLUM-B021Y-1B	2GES-2Y-40S	3.1	2.5
5	RLUM-B030Y-1C	2FES-3Y-40S	3.8	2.9
6	RLUM-B030Y-1D	2EES-3Y-40S	5.0	3.2
7	RLUM-B031Y-1D	2DES-3Y-40S	5.8	3.7
8	RLUM-B040Y-1E	2CES-4Y-40S	7.4	4.8
9	RLUM-B050Y-1E	4FES-5Y-40S	8.0	5.1
10	RLUM-B060Y-2A	4EES-6Y-40S	10.0	6.5
11	RLUM-B070Y-2B	4DES-7Y-40S	11.9	7.4
12	RLUM-B090Y-2C	4CES-9Y-40S	14.9	9.5
13	RLUM-B100Y-2C	4VES-10Y-40P	15.2	9.3
14	RLUM-B120Y-2E	4TES-12Y-40P	18.6	12.0
15	RLUM-B150Y-2F	4PES-15Y-40P	20.9	13.2
16	RLUM-B200Y-4A	4NE-20Y-40P	25.3	15.4
17	RLUM-B220Y-4A	4JE-22Y-40P	28.5	17.6
18	RLUM-B250Y-4B	4HE-25Y-40P	33.7	20.4
19	RLUM-B300Y-4C	4GE-30Y-40P	38.6	24.8
20	RLUM-B350Y-4E	4FE-35Y-40P	46.6	30.2
21	RLUM-B330Y-4D	6JE-33Y-40P	42.2	26.2
22	RLUM-B351Y-4E	6HE-35Y-40P	49.5	31.1
23	RLUM-B400Y-4F	6GE-40Y-40P	56.3	35.2
24	RLUM-B500Y-6B	6FE-50Y-40P	68.8	44.7
25	RLUM-B600Y-6D	8GE-60Y-40P	79.3	53.4

Qc: Cooling Capacity at Te = -8°C and Tc = +50°C

Pi: Power Input at Te = -8°C and Tc = +50°C

High Temperature - R134A

No	MODEL NAME	COMPRESSOR	Qc (kW)	Pi (kW)
1	RLUL-B010Y-1A	2HES-1Y-40S	3.1	1.4
2	RLUL-B020Y-1A	2FES-2Y-40S	4.2	2.0
3	RLUL-B020Y-1B	2EES-2Y-40S	5.5	2.5
4	RLUL-B021Y-1B	2DES-2Y-40S	6.6	3.0
5	RLUL-B030Y-1C	2CES-3Y-40S	8.2	3.5
6	RLUL-B031Y-1C	4FES-3Y-40S	8.5	3.6
7	RLUL-B040Y-1D	4EES-4Y-40S	11.0	4.6
8	RLUL-B050Y-1E	4DES-5Y-40S	13.0	5.5
9	RLUL-B060Y-2A	4CES-6Y-40S	16.1	6.8
10	RLUL-B090Y-2A	4BES-9Y-40S	17.7	7.5
11	RLUL-B070Y-2A	4VES-7Y-40P	16.9	6.9
12	RLUL-B090Y-2B	4TES-9Y-40P	20.4	8.2
13	RLUL-B120Y-2C	4PES-12Y-40P	23.2	9.4
14	RLUL-B140Y-2D	4NE-14Y-40P	27.5	11.0
15	RLUL-B150Y-2E	4JE-15Y-40P	31.7	13.1
16	RLUL-B180Y-2F	4HE-18Y-40P	37.3	15.2
17	RLUL-B230Y-4A	4GE-23Y-40P	41.6	17.2
18	RLUL-B280Y-4A	4FE-28Y-40P	51.9	21.8
19	RLUL-B250Y-4A	6JE-25Y-40P	46.5	19.2
20	RLUL-B280Y-4B	6HE-28Y-40P	55.1	22.4
21	RLUL-B340Y-4D	6GE-34Y-40P	62.9	27.5
22	RLUL-B440Y-4E	6FE-44Y-40P	76.0	32.5

Qc: Cooling Capacity at Te = +5°C and Tc = +55°C

Pi: Power Input at Te = +5°C and Tc = +55°C

MODELS

Low Temperature - R404A

No	MODEL NAME	COMPRESSOR	Qc (kW)	Pi (kW)
1	RLUL-B010Y-1A	2HES-1Y-40S	1.0	1.3
2	RLUL-B020Y-1A	2FES-2Y-40S	1.5	1.9
3	RLUL-B020Y-1B	2EES-2Y-40S	2.0	2.3
4	RLUL-B021Y-1B	2DES-2Y-40S	2.4	2.7
5	RLUL-B030Y-1C	2CES-3Y-40S	3.1	3.3
6	RLUL-B031Y-1C	4FES-3Y-40S	3.3	3.6
7	RLUL-B040Y-1D	4EES-4Y-40S	4.2	4.4
8	RLUL-B050Y-1E	4DES-5Y-40S	4.9	5.2
9	RLUL-B060Y-2A	4CES-6Y-40S	6.1	6.5
10	RLUL-B090Y-2A	4BES-9Y-40S	6.6	7.1
11	RLUL-B070Y-2A	4VES-7Y-40P	5.8	6.2
12	RLUL-B090Y-2B	4TES-9Y-40P	7.3	7.5
13	RLUL-B120Y-2C	4PES-12Y-40P	8.0	8.3
14	RLUL-B140Y-2D	4NE-14Y-40P	9.9	10.0
15	RLUL-B150Y-2E	4JE-15Y-40P	12.0	12.4
16	RLUL-B180Y-2F	4HE-18Y-40P	14.3	14.4
17	RLUL-B230Y-4A	4GE-23Y-40P	17.0	16.8
18	RLUL-B280Y-4A	4FE-28Y-40P	20.4	20.4
19	RLUL-B250Y-4A	6JE-25Y-40P	17.9	18.0
20	RLUL-B280Y-4B	6HE-28Y-40P	21.1	20.9
21	RLUL-B340Y-4D	6GE-34Y-40P	25.7	27.0
22	RLUL-B440Y-4E	6FE-44Y-40P	30.5	31.6

Qc: Cooling Capacity at Te = −25°C and Tc = +50°C

Pi: Power Input at Te = −25°C and Tc = +50°C

Blast Freezer - R404A

No	MODEL NAME	COMPRESSOR	Qc (kW)	Pi (kW)
1	RLUB-D050Y-2A	S4T-5.2Y-40P	5.6	5.9
2	RLUB-D080Y-2C	S4N-8.2Y-40P	7.9	8.4
3	RLUB-D120Y-2F	S4G-12.2Y-40P	12.3	12.7
4	RLUB-D160Y-4B	S6J-16.2Y-40P	17.2	17.7
5	RLUB-D200Y-4C	S6H-20.2Y-40P	19.7	21.7
6	RLUB-D250Y-4D	S6G-25.2Y-40P	22.5	24.3
7	RLUB-D300Y-4E	S6F-30.2Y-40P	26.5	28.5

Qc: Cooling Capacity at Te = −35°C and Tc = +50°C

Pi: Power Input at Te = −35°C and Tc = +50°C

ASERCOM
ASSOCIATION OF EUROPEAN REFRIGERATION COMPONENT MANUFACTURERS

RIME is the first non-European manufacturer to achieve ASERCOM certification for condensing units, marking a key industry milestone. This recognition ensures verified performance data, delivering transparency, reliability, and global credibility.

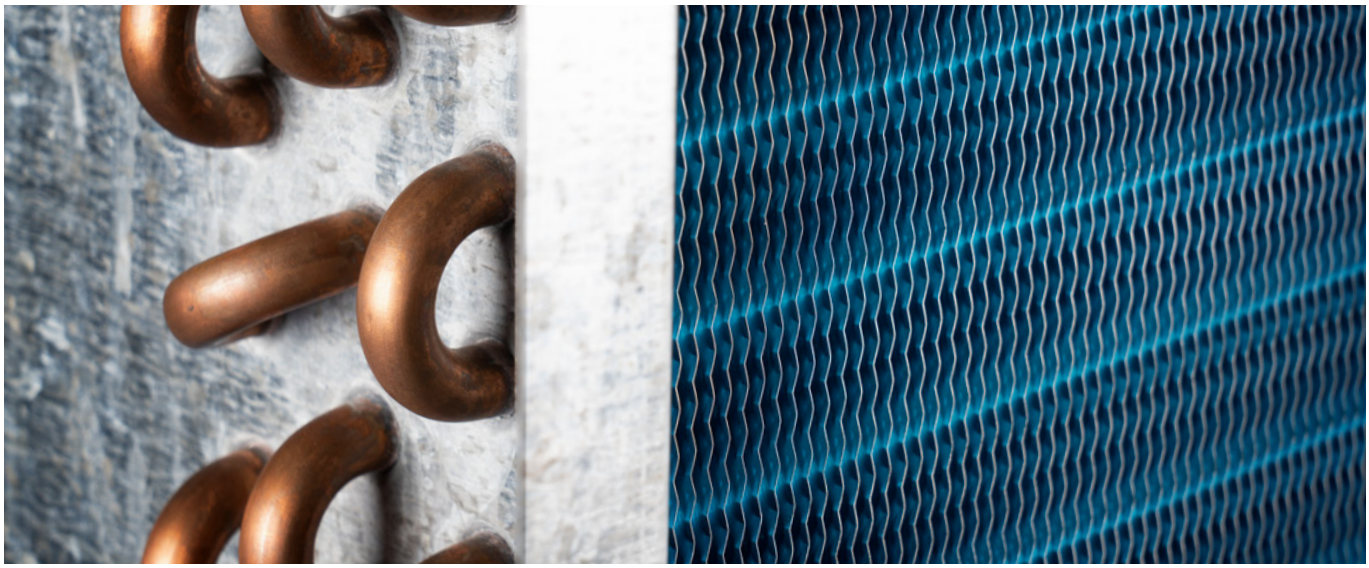
Due to stringent validation requirements, only selected configurations of RIME condensing units are approved for certified performance status; therefore, not all products in the portfolio carry certified data. A complete list of certified units and additional details are available on the ASERCOM website: www.asercom.org

To access the updated list of certified rime air cooled condensing unit, scan the QR code:
Or visit the link: https://www.asercom.org/legacy-condensing-units-gwp-2500/

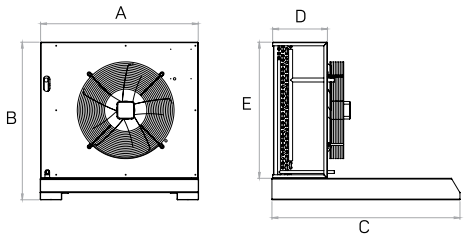
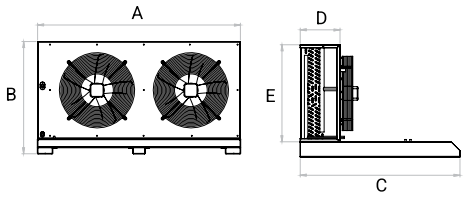
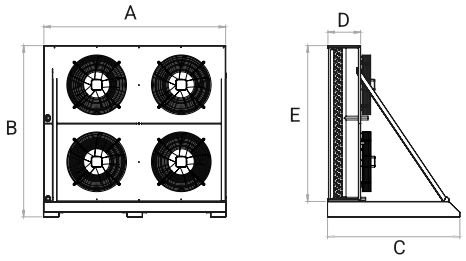
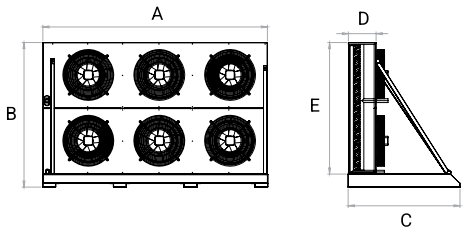
CONDENSER SPECIFICATIONS

Condenser Model	Fan			Electrical		Internal Volume (L)	Heat Transfer Area (m^2)	Header	
	Qty	Diameter (mm)	Air Flow (m^3/h)*	Supply	Power input for each fan (W)			Inlet (inch)	Outlet (inch)
1A	1	350	3320	380-420V/3Ph/50Hz	170	1.5	9.5	5/8	1/2
1B	1	450	7080	380-420V/3Ph/50Hz	480	2.4	10.2	3/4	5/8
1C	1	450	7080	380-420V/3Ph/50Hz	480	3.4	15.2	3/4	5/8
1D	1	450	7080	380-420V/3Ph/50Hz	480	4.6	29.5	3/4	5/8
1E	1	500	9200	380-420V/3Ph/50Hz	720	5.0	32.0	7/8	5/8
2A	2	450	14160	380-420V/3Ph/50Hz	480	6.7	37.4	1 1/8	7/8
2B	2	450	14160	380-420V/3Ph/50Hz	480	8.8	59.1	1 1/8	7/8
2C	2	500	18390	380-420V/3Ph/50Hz	720	9.6	54.0	1 1/8	7/8
2D	2	500	18390	380-420V/3Ph/50Hz	720	12.8	72.0	1 3/8	1 1/8
2E	2	560	25210	380-420V/3PH/50HZ	1160	12.6	82.8	1 3/8	1 1/8
2F	2	560	25210	380-420V/3PH/50HZ	1160	16.2	110.4	1 3/8	1 1/8
4A	4	500	36780	380-420V/3Ph/50Hz	720	20.6	108.0	1 5/8	1 3/8
4B	4	500	36780	380-420V/3Ph/50Hz	720	26.4	144.0	1 5/8	1 3/8
4C	4	560	50420	380-420V/3Ph/50Hz	1160	26.2	138.7	1 5/8	1 3/8
4D	4	560	50420	380-420V/3Ph/50Hz	1160	33.7	184.9	1 5/8	1 3/8
4E	4	630	55350	380-420V/3Ph/50Hz	1250	32.1	173.3	1 5/8	1 3/8
4F	4	630	55350	380-420V/3Ph/50Hz	1250	41.5	273.4	1 5/8	1 3/8
6A	6	630	83020	380-420V/3Ph/50Hz	1250	45.6	211.5	1 5/8	1 3/8
6B	6	630	83020	380-420V/3Ph/50Hz	1250	48.0	259.9	2 1/8	1 5/8
6C	6	630	83020	380-420V/3Ph/50Hz	1250	47.9	307.5	2 1/8	1 5/8
6D	6	630	83020	380-420V/3Ph/50Hz	1250	61.8	346.5	2 1/8	1 5/8
6E	6	630	83020	380-420V/3Ph/50Hz	1250	61.8	410.0	2 1/8	1 5/8

* : Air Flow are defined at 0 pa Back Pressure.



DIMENSIONS

Condenser Model	A	B	C	D	E	Diagram (mm)
1A	631	630	850	216	510	
1B	784	730	930	286	610	
1C						
1D						
1E	885	880	950	306	760	
2A	1444	730	1000	306	610	
2B						
2C	1644	920	1075	306	760	
2D						
2E	1863	1028	1110	286	862	
2F						
4A	1654	1649	1120	306	1509	
4B						
4C	1855	1919	1250	336	1710	
4D						
4E	2063	2113	1300	370	1910	
4F						
6A	3024	2050	1250	370	1910	
6B						
6C						
6D						
6E						

TECHNICAL DATA

Medium Temperature Application - R404A

PARAMETER	UNIT	UNIT MODEL: RLUM					
		B005Y-1A	B007Y-1A	B020Y-1B	B021Y-1B	B030Y-1C	B030Y-1D
Nominal QC	kW	1.5	2.1	2.7	3.1	3.8	5.0
Nominal Pi	kW	1.1	1.5	2.1	2.5	2.9	3.2
COMPRESSOR							
Model		2KES-05Y	2JES-07Y	2HES-2Y	2GES-2Y	2FES-3Y	2EES-3Y
Number of cylinders		2	2	2	2	2	2
MOC*	A	2.8	3.7	4.5	5.0	6.1	7.5
Max. Input Power	kW	1.5	1.9	2.4	2.7	3.4	3.8
Starting Current	A	12.0	14.8	22.5	22.5	25.5	37.0
Power Supply		380-420V / 3 Φ /50Hz					
Motor connection		Y	Y	Y	Y	Y	Y
Motor protection		SE-B3	SE-B3	SE-B3	SE-B3	SE-B3	SE-B3
Crankcase heater	W	60	60	60	60	60	120
Oil charge	Liter	1.0	1.0	1.0	1.0	1.0	1.5
Oil type		BSE32	BSE32	BSE32	BSE32	BSE32	BSE32
Net Weight	kg	46	47	49	49	50	77
CONDENSER FAN							
Quantity		1	1	1	1	1	1
Diameter	mm	350	350	450	450	450	450
MOC*	A	0.37	0.37	0.98	0.98	0.98	0.98
Power Supply		380-420V / 3Φ /50Hz					
MOP**	W	170	170	480	480	480	480
Air Flow at 0 Pa***	m^3/h	3320	3320	7080	7080	7080	7080
CONDENSER COIL							
Area	m^2	9.5	9.5	10.2	10.2	15.2	29.5
Volume	Liter	1.5	1.5	2.4	2.4	3.4	4.6
LIQUID RECEIVER							
Capacity	Liter	3	3	3	5	5	7
REFRIGERANT PIPING							
Suction Diameter	Inch	5/8	5/8	5/8	5/8	5/8	7/8
	mm	15.9	15.9	15.9	15.9	15.9	22.2
Liquid Diameter	Inch	3/8	3/8	3/8	3/8	3/8	1/2
	mm	9.5	9.5	9.5	9.5	9.5	12.7
Unit weight	kg	97	98	120	120	124	158

*MOC: Maximum Operating Current for each fan.

**MOP: Maximum Operating Power for each fan.

***: Air Flow at 0 Pa for all fans.

TECHNICAL DATA

Medium Temperature Application - R404A

PARAMETER	UNIT	UNIT MODEL: RLUM					
		B031Y-1D	B040Y-1E	B050Y-1E	B060Y-2A	B070Y-2B	B090Y-2C
Nominal QC	kW	5.8	7.4	8.0	10.0	11.9	14.9
Nominal Pi	kW	3.7	4.8	5.1	6.5	7.4	9.5
COMPRESSOR							
Model		2DES-3Y	2CES-4Y	4FES-5Y	4EES-6Y	4DES-7Y	4CES-9Y
Number of cylinders		2	2	4	4	4	4
MOC*	A	8.6	10.0	10.8	13.6	16.5	20.2
Max. Input Power	kW	4.6	5.6	5.8	7.6	8.9	11.3
Starting Current	A	37.0	44.2	62.2	62.2	82.4	82.4
Power Supply		380-420V / 3Φ /50Hz					
Motor connection		Y	Y	Y	Y	Y	Y
Motor protection		SE-B3	SE-B3	SE-B3	SE-B3	SE-B3	SE-B3
Crankcase heater	W	120	120	120	120	120	120
Oil charge	Liter	1.5	1.5	2.0	2.0	2.0	2.0
Oil type		BSE32	BSE32	BSE32	BSE32	BSE32	BSE32
Net Weight	kg	77	76	95	95	100	99
CONDENSER FAN							
Quantity		1	1	1	2	2	2
Diameter	mm	450	500	500	450	450	500
MOC*	A	0.98	1.41	1.41	0.98	0.98	1.41
Power Supply		380-420V / 3Φ /50Hz					
MOP**	W	480	720	720	480	480	720
Air Flow at 0 Pa***	m3/h	7080	9195	9195	14160	14160	18390
CONDENSER COIL							
Area	m^2	29.5	32.0	32.0	37.4	59.1	54.0
Volume	Liter	4.6	5.0	5.0	6.7	8.8	9.6
LIQUID RECEIVER							
Capacity	Liter	7	7	7	14	14	14
REFRIGERANT PIPING							
Suction Diameter	Inch	7/8	7/8	7/8	1 1/8	1 1/8	1 1/8
	mm	22.2	22.2	22.2	28.6	28.6	28.6
Liquid Diameter	Inch	1/2	1/2	1/2	1/2	5/8	5/8
	mm	12.7	12.7	12.7	12.7	15.9	15.9
Unit weight	kg	158	170	191	232	245	270

*MOC: Maximum Operating Current for each fan.

**MOP: Maximum Operating Power for each fan.

***: Air Flow at 0 Pa for all fans.

TECHNICAL DATA

Medium Temperature Application - R404A

PARAMETER	UNIT	UNIT MODEL: RLUM					
		B100Y-2C	B120Y-2E	B150Y-2F	B200Y-4A	B220Y-4A	B250Y-4B
Nominal QC	kW	15.2	18.6	20.9	25.3	28.5	33.7
Nominal Pi	kW	9.3	12.0	13.2	15.4	17.6	20.4
COMPRESSOR							
Model		4VES-10Y	4TES-12Y	4PES-15Y	4NE-20Y	4JE-22Y	4HE-25Y
Number of cylinders		4	4	4	4	4	4
MOC*	A	19.9	25.1	28.2	33.2	37.2	44.0
Max. Input Power	kW	12	14	16	19	21	25
Starting Current	A	59Y / 99YY	69Y / 113YY	81Y / 132YY	97Y / 158YY	97Y / 158YY	125Y / 211YY
Power Supply		380-420V / 3Φ /50Hz					
Motor connection		Y	Y/YY	Y/YY	Y/YY	Y/YY	Y/YY
Motor protection		SE-B3	SE-B3	SE-B3	SE-B3	SE-B3	SE-B3
Crankcase heater	W	140	140	140	140	140	140
Oil charge	Liter	2.6	2.6	2.6	2.6	4.0	4.5
Oil type		BSE32	BSE32	BSE32	BSE32	BSE32	BSE32
Net Weight	kg	146	147	153	157	192	207
CONDENSER FAN							
Quantity		2	2	2	4	4	4
Diameter	mm	500	560	560	500	500	500
MOC*	A	1.41	1.95	1.95	1.41	1.41	1.41
Power Supply		380-420V / 3Φ /50Hz					
MOP**	W	720	1160	1160	720	720	720
Air Flow at 0 Pa	m^3/h	18390	25210	25210	36780	36780	36780
CONDENSER COIL							
Area	m^2	54.0	82.8	110.4	108.0	108.0	144.0
Volume	Liter	9.6	12.6	16.2	20.6	20.6	26.4
LIQUID RECEIVER							
Capacity	Liter	20	20	30	30	30	40
REFRIGERANT PIPING							
Suction Diameter	Inch	1 1/8	1 3/8	1 5/8	1 5/8	1 5/8	2 1/8
	mm	28.6	34.9	41.3	41.3	41.3	54.0
Liquid Diameter	Inch	5/8	5/8	7/8	7/8	7/8	7/8
	mm	15.9	15.9	22.2	22.2	22.2	22.2
Unit weight	kg	317	386	402	425	460	493

*MOC: Maximum Operating Current for each fan.

**MOP: Maximum Operating Power for each fan.

***: Air Flow at 0 Pa for all fans.

TECHNICAL DATA

Medium Temperature Application - R404A

PARAMETER	UNIT	UNIT MODEL: RLUM						
		B300Y-4C	B350Y-4E	B330Y-4D	B351Y-4E	B400Y-4F	B500Y-6B	B600Y-6D
Nominal QC	kW	38.6	46.6	42.2	49.5	56.3	68.8	79.3
Nominal Pi	kW	24.8	30.2	26.2	31.1	35.2	44.7	53.4
COMPRESSOR								
Model		4GE-30Y	4FE-35Y	6JE-33Y	6HE-35Y	6GE-40Y	6FE-50Y	8GE-60Y
Number of cylinders		4	4	6	6	6	6	8
MOC*	A	51.2	62.1	53.2	64.4	73.9	96.2	113.0
Max. Input Power	kW	28	35	30	36	42	51	63
Starting Current	A	141Y / 233YY	141Y / 233YY	165Y /275YY	165Y / 275YY	219Y / 362YY	226Y / 404YY	349D / 513DD
Power Supply		380-420V / 3Φ /50Hz						
Motor connection		Y/YY	Y/YY	Y/YY	Y/YY	Y/YY	Y/YY	D/DD
Motor protection		SE-B3	SE-B3	SE-B3	SE-B3	SE-B3	SE-B3	SE-B3
Crankcase heater	W	140	140	140	140	140	140	140
Oil charge	Liter	4.5	4.5	4.75	4.75	4.75	4.75	5.0
Oil type		BSE32	BSE32	BSE32	BSE32	BSE32	BSE32	BSE32
Net Weight	kg	209	207	244	241	240	246	352
CONDENSER FAN								
Quantity		4	4	4	4	4	6	6
Diameter	mm	560	630	560	630	630	630	630
MOC*	A	1.95	2.48	1.95	2.48	2.48	2.48	2.48
Power Supply		380-420V / 3Φ /50Hz						
MOP**	W	1160	1250	1160	1250	1250	1250	1250
Air Flow at 0 Pa***	m^3/h	50420	55348	50420	55348	55348	83022	83022
CONDENSER COIL								
Area	m^2	138.7	173.3	184.9	173.3	273.4	259.9	346.5
Volume	Liter	26.2	32.1	33.7	32.1	41.5	48	61.8
LIQUID RECEIVER								
Capacity	Liter	40	60	60	60	60	60	60
REFRIGERANT PIPING								
Suction Diameter	Inch	2 1/8	2 1/8	2 1/8	2 1/8	2 1/8	2 1/8	3 1/8
	mm	54.0	54.0	54.0	54.0	54.0	54.0	79.3
Liquid Diameter	Inch	7/8	7/8	7/8	7/8	1 1/8	1 1/8	1 1/8
	mm	22.2	22.2	22.2	22.2	28.6	28.6	28.6
Unit weight	kg	529	589	586	627	663	783	931

*MOC: Maximum Operating Current for each fan.

**MOP: Maximum Operating Power for each fan.

***: Air Flow at 0 Pa for all fans.

TECHNICAL DATA

Low Temperature Application - R404A | High Temperature Application - R134a

PARAMETER	UNIT	UNIT MODEL: RLUL					
		B010Y-1A	B020Y-1A	B020Y-1B	B021Y-1B	B030Y-1C	B031Y-1C
Nominal QC	kW	1.0 (3.1)	1.5 (4.2)	2.0 (5.5)	2.4 (6.6)	3.1 (8.2)	3.3 (8.5)
Nominal Pi	kW	1.3 (1.4)	1.9 (2.0)	2.3 (2.5)	2.7 (3.0)	3.3 (3.5)	3.6 (3.6)
COMPRESSOR							
Model		2HES-1Y	2FES-2Y	2EES-2Y	2DES-2Y	2CES-3Y	4FES-3Y
Number of cylinders		2	2	2	2	2	4
MOC*	A	3.8	5.3	6.0	7.5	9.1	9.5
Max. Input Power	kW	2.0	2.9	3.3	4.0	5.0	5.3
Starting Current	A	16.7	22.5	26	30.7	37	44.2
Power Supply		380-420V / 3Φ /50Hz					
Motor connection		Y	Y	Y	Y	Y	Y
Motor protection		SE-B3	SE-B3	SE-B3	SE-B3	SE-B3	SE-B3
Crankcase heater	W	60	60	120	120	120	120
Oil charge	Liter	1.0	1.0	1.5	1.5	1.5	2.0
Oil type		BSE32	BSE32	BSE32	BSE32	BSE32	BSE32
Net Weight	kg	47	49	74	73	76	90
CONDENSER FAN							
Quantity		1	1	1	1	1	1
Diameter	mm	350	350	450	450	450	450
MOC*	A	0.37	0.37	0.98	0.98	0.98	0.98
Power Supply		380-420V / 3Φ /50Hz					
MOP**	W	170	170	480	480	480	480
Air Flow at 0 Pa***	m^3/h	3320	3320	7080	7080	7080	7080
CONDENSER COIL							
Area	m^2	9.5	9.5	10.2	10.2	15.2	15.2
Volume	Liter	1.5	1.5	2.4	2.4	3.4	3.4
LIQUID RECEIVER							
Capacity	Liter	3	3	5	5	5	5
REFRIGERANT PIPING							
Suction Diameter	Inch	5/8	5/8	7/8	7/8	7/8	7/8
	mm	15.9	15.9	22.2	22.2	22.2	22.2
Liquid Diameter	Inch	3/8	3/8	3/8	3/8	3/8	3/8
	mm	9.5	9.5	9.5	9.5	9.5	9.5
Unit weight	kg	98	100	145	146	152	166

*The value in ( ) are related to the unit with gas R134a in high temperature application.

*MOC: Maximum Operating Current for each fan.

**MOP: Maximum Operating Power for each fan.

***: Air Flow at 0 Pa for all fans.

TECHNICAL DATA

Low Temperature Application - R404A | High Temperature Application - R134a

PARAMETER	UNIT	UNIT MODEL: RLUL					
		B040Y-1D	B050Y-1E	B060Y-2A	B090Y-2A	B070Y-2A	B090Y-2B
Nominal QC	kW	4.2 (11.0)	4.9 (13.0)	6.1 (16.1)	6.6 (17.7)	5.8 (16.9)	7.3 (20.4)
Nominal Pi	kW	4.4 (4.6)	5.2 (5.5)	6.5 (6.8)	7.1 (7.5)	6.2 (6.9)	7.5 (8.2)
COMPRESSOR							
Model		4EES-4Y	4DES-5Y	4CES-6Y	4BES-9Y	4VES-7Y	4TES-9Y
Number of cylinders		4	4	4	4	4	4
MOC*	A	12.2	14.5	17.7	18.0	16.6	19.9
Max. Input Power	kW	6.9	8.1	9.7	12.3	11.0	13.0
Starting Current	A	53.5	62.2	82.4	82.4	39Y / 68YY	49Y / 81YY
Power Supply		380-420V / 3 Φ /50Hz					
Motor connection		Y	Y	Y	Y	Y/YY	Y/YY
Motor protection		SE-B3	SE-B3	SE-B3	SE-B3	SE-B3	SE-B3
Crankcase heater	W	120	120	120	120	140	140
Oil charge	Liter	2.0	2.0	2.0	2.0	2.6	2.6
Oil type		BSE32	BSE32	BSE32	BSE32	BSE32	BSE32
Net Weight	kg	93	94	99	99	139	143
CONDENSER FAN							
Quantity		1	1	2	2	2	2
Diameter	mm	450	500	450	450	450	450
MOC*	A	0.98	1.41	0.98	0.98	0.98	0.98
Power Supply		380-420V / 3Φ /50Hz					
MOP**	W	480	720	480	480	480	480
Air Flow at 0 Pa***	m^3/h	7080	9195	14160	14160	14160	14160
CONDENSER COIL							
Area	m^2	29.5	32.0	37.4	37.4	37.4	59.1
Volume	Liter	4.6	5.0	6.7	6.7	6.7	8.8
LIQUID RECEIVER							
Capacity	Liter	7	7	12	12	12	14
REFRIGERANT PIPING							
Suction Diameter	Inch	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 3/8
	mm	28.6	28.6	28.6	28.6	28.6	34.9
Liquid Diameter	Inch	1/2	1/2	1/2	1/2	1/2	1/2
	mm	12.7	12.7	12.7	12.7	12.7	12.7
Unit weight	kg	176	189	236	236	276	288

*The value in ( ) are related to the unit with gas R134a in high temperature application.

*MOC: Maximum Operating Current for each fan.

**MOP: Maximum Operating Power for each fan.

***: Air Flow at 0 Pa for all fans.

TECHNICAL DATA

Low Temperature Application - R404A | High Temperature Application - R134a

PARAMETER	UNIT	UNIT MODEL: RLUL				
		B120Y-2C	B140Y-2D	B150Y-2E	B180Y-2F	B230Y-4A
Nominal QC	kW	8.0 (23.2)	9.9 (27.5)	12.0 (31.7)	14.3 (37.3)	17.0 (41.6)
Nominal Pi	kW	8.3 (9.4)	10.0 (11.0)	12.4 (13.1)	14.4 (15.2)	16.8 (17.2)
COMPRESSOR						
Model		4PES-12Y	4NE-14Y	4JE-15Y	4HE-18Y	4GE-23Y
Number of cylinders		4	4	4	4	4
MOC*	A	22.7	26.6	30.8	36.7	43.9
Max. Input Power	kW	14	17	19	22	27
Starting Current	A	59Y / 99YY	69Y / 113YY	97Y / 158YY	97Y / 158YY	97Y / 158YY
Power Supply		380-420V / 3 Φ /50Hz				
Motor connection		Y/YY	Y/YY	Y/YY	Y/YY	Y/YY
Motor protection		SE-B3	SE-B3	SE-B3	SE-B3	SE-B3
Crankcase heater	W	140	140	140	140	140
Oil charge	Liter	2.6	2.6	4.0	4.0	4.5
Oil type		BSE32	BSE32	BSE32	BSE32	BSE32
Net Weight	kg	145	146	192	191	196
CONDENSER FAN						
Quantity		2	2	2	2	4
Diameter	mm	500	500	560	560	500
MOC*	A	1.41	1.41	1.95	1.95	1.41
Power Supply		380-420V / 3Φ /50Hz				
MOP**	W	720	720	1160	1160	720
Air Flow at 0 Pa***	m^3/h	18390	18390	25210	25210	36780
CONDENSER COIL						
Area	m^2	54.0	72.0	8.0	110.4	108.0
Volume	Liter	9.6	12.8	12.6	16.2	20.6
LIQUID RECEIVER						
Capacity	Liter	14	20	20	30	30
REFRIGERANT PIPING						
Suction Diameter	Inch	1 3/8	1 3/8	1 5/8	1 5/8	2 1/8
	mm	34.9	34.9	41.3	41.3	54.0
Liquid Diameter	Inch	5/8	5/8	5/8	5/8	7/8
	mm	15.9	15.9	15.9	15.9	22.2
Unit weight	kg	317	327	431	440	465

*The value in ( ) are related to the unit with gas R134a in high temperature application.

*MOC: Maximum Operating Current for each fan.

**MOP: Maximum Operating Power for each fan.

***: Air Flow at 0 Pa for all fans.

TECHNICAL DATA

Low Temperature Application - R404A | High Temperature Application - R134a

PARAMETER	UNIT	UNIT MODEL: RLUL -B				
		B280Y-4A	B250Y-4A	B280Y-4B	B340Y-4D	B440Y-4E
Nominal QC	kW	20.4 (51.9)	17.9 (46.5)	21.1 (55.1)	25.7 (62.9)	30.5 (76.0)
Nominal Pi	kW	20.4 (21.8)	18.0 (19.2)	20.9 (22.4)	27.0 (27.5)	31.6 (32.5)
COMPRESSOR						
Model		4FE-28Y	6JE-25Y	6HE-28Y	6GE-34Y	6FE-44Y
Number of cylinders		4	6	6	6	6
MOC*	A	52.8	46.4	53.2	65.5	83.2
Max. Input Power	kW	31	27	33	40	46
Starting Current	A	141Y / 233YY	141Y / 233YY	141Y / 233YY	141Y / 233YY	219Y / 362YY
Power Supply		380-420V / 3 Φ /50Hz				
Motor connection		Y/YY	Y/YY	Y/YY	Y/YY	Y/YY
Motor protection		SE-B3	SE-B3	SE-B3	SE-B3	SE-B3
Crankcase heater	W	140	140	140	140	140
Oil charge	Liter	4.5	4.75	4.75	4.75	4.75
Oil type		BSE32	BSE32	BSE32	BSE32	BSE32
Net Weight	kg	207	234	233	230	244
CONDENSER FAN						
Quantity		4	4	4	4	4
Diameter	mm	500	500	500	560	630
MOC*	A	1.41	1.41	1.41	1.95	2.48
Power Supply		380-420V / 3Φ /50Hz				
MOP**	W	720	720	720	1160	1250
Air Flow at 0 Pa***	m^3/h	36780	36780	36780	50420	55348
CONDENSER COIL						
Area	m^2	108.0	108.0	144.0	184.9	173.3
Volume	Liter	20.6	20.6	26.4	33.7	32.1
LIQUID RECEIVER						
Capacity	Liter	30	30	30	40	60
REFRIGERANT PIPING						
Suction Diameter	Inch	2 1/8	2 1/8	2 1/8	2 1/8	2 1/8
	mm	54.0	54.0	54.0	54.0	54.0
Liquid Diameter	Inch	7/8	7/8	7/8	7/8	7/8
	mm	22.2	22.2	22.2	22.2	22.2
Unit weight	kg	475	502	519	576	630

*The value in ( ) are related to the unit with gas R134a in high temperature application.

*MOC: Maximum Operating Current for each fan.

**MOP: Maximum Operating Power for each fan.

***: Air Flow at 0 Pa for all fans.

TECHNICAL DATA

Blast Freezer Application - R404A

PARAMETER	UNIT	UNIT MODEL: RLUB-D						
		D050Y-2A	D080Y-2C	D120Y-2F	D160Y-4B	D200Y-4C	D250Y-4D	D300Y-4E
Nominal QC	kW	5.6	7.9	12.3	17.2	19.7	22.5	26.5
Nominal Pi	kW	5.9	8.4	12.7	17.7	21.7	24.3	28.5
COMPRESSOR								
Model		S4T-5.2Y-40P	S4N-8.2Y-40P	S4G-12.2Y-40P	S6J-16.2Y-40P	S6H-20.2Y-40P	S6G-25.2Y-40P	S6F-30.2Y-40P
Number of cylinders		4	4	4	6	6	6	6
MOC*	A	14	17	24	31	37	43	51
Max. Input Power	kW	6.9	9.7	13.8	18.3	21.8	25.5	31.9
Starting Current	A	39Y / 68YY	49Y / 81YY	69Y / 113YY	81Y / 132YY	97Y / 158YY	116Y / 193YY	135Y / 220YY
Power Supply		380-420V / 3 Φ /50Hz						
Motor connection		Y/YY	Y/YY	Y/YY	Y/YY	Y/YY	Y/YY	Y/YY
Motor protection		SE-B2	SE-B2	SE-B2	SE-B2	SE-B2	SE-B2	SE-B2
Crankcase heater	W	100	100	140	140	140	140	140
Oil charge	Liter	3.0	3.0	4.5	4.75	4.75	4.75	4.75
Oil type		BSE32	BSE32	BSE32	BSE32	BSE32	BSE32	BSE32
Net Weight	kg	136	141	180	209	220	233	234
CONDENSER FAN								
Quantity		2	2	2	4	4	4	4
Diameter	mm	450	500	560	500	560	560	630
MOC*	A	0.98	1.41	1.95	1.41	1.95	1.95	2.48
Power Supply		380-420V / 3Φ /50Hz						
MOP**	W	480	720	1160	720	1160	1160	1250
Air Flow at 0 Pa***	m^3/h	14160	18390	25210	36780	50420	50420	55348
CONDENSER COIL								
Area	m^2	37.4	54.0	110.4	144.0	138.7	184.9	173.3
Volume	Liter	6.7	9.6	16.2	26.4	26.2	33.7	32.1
LIQUID RECEIVER								
Capacity	Liter	14	20	30	30	30	40	60
REFRIGERANT PIPING								
Suction Diameter	Inch	1 1/8	1 1/8	1 3/8	1 5/8	1 5/8	1 5/8	1 5/8
	mm	28.6	28.6	34.9	41.3	41.3	41.3	41.3
Liquid Diameter	Inch	1/2	1/2	5/8	5/8	7/8	7/8	8/7
	mm	12.7	12.7	15.9	15.9	22.2	22.2	22.2
Unit weight	kg	274	313	429	496	542	577	618

*MOC: Maximum Operating Current for each fan.

**MOP: Maximum Operating Power for each fan.

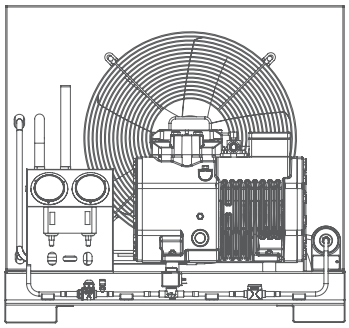
***: Air Flow at 0 Pa for all fans.

RLUM SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Medium Temperature Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-20	-15	-10	-5	0	5	Diagram
RLUM-B005Y-1A	Q(kW)	35	1.1	1.4	1.7	2.1	2.6	3.0	
		38	1.0	1.2	1.6	1.9	2.4	2.9	
		40	0.9	1.2	1.5	1.8	2.3	2.7	
		44	0.8	1.1	1.4	1.7	2.1	2.5	
		47	0.7	1.0	1.2	1.5	1.9	2.3	
		50	0.7	0.9	1.1	1.4	1.7	O.S.	
	P(kW)	35	0.7	0.8	0.9	0.9	1.0	1.1	
		38	0.7	0.8	0.9	0.9	1.0	1.1	
		40	0.7	0.8	0.9	1.0	1.0	1.1	
		44	0.8	0.8	0.9	1.0	1.1	1.2	
		47	0.8	0.9	0.9	1.0	1.1	1.2	
		50	0.8	0.9	1.0	1.0	1.1	O.S.	
RLUM-B007Y-1A	Q(kW)	35	1.4	1.8	2.2	2.7	3.3	3.8	
		38	1.3	1.7	2.1	2.5	3,0	3.7	
		40	1.2	1.6	2.0	2.4	2.9	3.5	
		44	1.1	1.4	1.8	2.2	2.6	3.1	
		47	1.0	1.3	1.6	2.0	2.4	O.S.	
		50	0.9	1.2	1.5	1.8	O.S.	O.S.	
	P(kW)	35	1.0	1.1	1.2	1.3	1.4	1.5	
		38	1.0	1.1	1.2	1.3	1.4	1.5	
		40	1.0	1.1	1.2	1.4	1.5	1.6	
		44	1.0	1.2	1.3	1.4	1.5	1.7	
		47	1.0	1.2	1.3	1.4	1.6	O.S.	
		50	1.0	1.2	1.3	1.5	O.S.	O.S.	
RLUM-B020Y-1B	Q(kW)	35	1.9	2.4	2.9	3.6	4.4	5.2	
		38	1.7	2.2	2.7	3.4	4.1	4.8	
		40	1.7	2.1	2.6	3.2	3.9	4.7	
		44	1.5	1.9	2.4	2.9	3.6	4.3	
		47	1.3	1.7	2.2	2.7	3.3	4.0	
		50	1.2	1.5	2.0	2.4	3.0	O.S.	
	P(kW)	35	1.2	1.4	1.5	1.6	1.7	1.9	
		38	1.3	1.4	1.5	1.7	1.8	2.0	
		40	1.3	1.4	1.6	1.7	1.8	2.0	
		44	1.3	1.4	1.6	1.8	1.9	2.1	
		47	1.3	1.5	1.6	1.8	2.0	2.1	
		50	1.3	1.5	1.6	1.8	2.0	O.S.	



Out of Scope

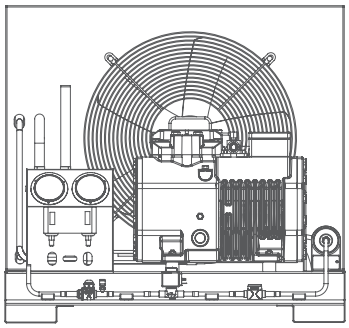
Normal Working Range

RLUM SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Medium Temperature Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-20	-15	-10	-5	0	5	Diagram
RLUM-B021Y-1B	Q(kW)	35	2.1	2.7	3.3	4.1	4.8	5.6	
		38	2.0	2.5	3.1	3.8	4.5	5.4	
		40	1.9	2.4	3.0	3.6	4.4	5.1	
		44	1.7	2.1	2.7	3.3	3.9	4.7	
		47	1.5	1.9	2.4	3.0	3.7	O.S.	
		50	1.4	1.8	2.2	2.7	O.S.	O.S.	
	P(kW)	35	1.5	1.6	1.8	1.9	2.1	2.3	
		38	1.5	1.7	1.8	2.0	2.2	2.4	
		40	1.5	1.7	1.9	2.1	2.2	2.4	
		44	1.5	1.7	1.9	2.1	2.3	2.5	
		47	1.6	1.8	2.0	2.2	2.4	O.S.	
		50	1.6	1.8	2.0	2.3	O.S.	O.S.	
RLUM-B030Y-1C	Q(kW)	35	2.7	3.4	4.2	5.0	6.0	7.1	
		38	2.5	3.1	3.9	4.7	5.6	6.7	
		40	2.3	3.0	3.7	4.5	5.3	6.4	
		44	2.1	2.7	3.3	4.0	4.9	5.7	
		47	1.9	2.4	3.1	3.6	4.5	O.S.	
		50	1.7	2.2	2.8	3.4	4.2	O.S.	
	P(kW)	35	1.8	2.0	2.2	2.4	2.6	2.8	
		38	1.8	2	2.2	2.4	2.7	2.9	
		40	1.8	2.1	2.3	2.5	2.8	3.0	
		44	1.9	2.1	2.4	2.6	2.9	3.1	
		47	1.9	2.2	2.4	2.7	3.0	O.S.	
		50	1.9	2.2	2.5	2.8	3	O.S.	
RLUM-B030Y-1D	Q(kW)	35	3.5	4.4	5.4	6.5	7.8	9.2	
		38	3.2	4.1	5.0	6.2	7.3	8.8	
		40	3.1	3.8	4.8	5.8	7.1	8.3	
		44	2.8	3.5	4.4	5.2	6.3	7.7	
		47	2.5	3.2	4	4.9	6	O.S.	
		50	2.2	2.8	3.5	4.4	5.4	O.S.	
	P(kW)	35	2.0	2.3	2.5	2.7	3.0	3.2	
		38	2.1	2.3	2.6	2.8	3.1	3.3	
		40	2.1	2.3	2.6	2.8	3.1	3.3	
		44	2.1	2.4	2.6	2.9	3.2	3.4	
		47	2.1	2.4	2.7	2.9	3.2	O.S.	
		50	2.1	2.4	2.7	3.0	3.3	O.S.	



Out of Scope

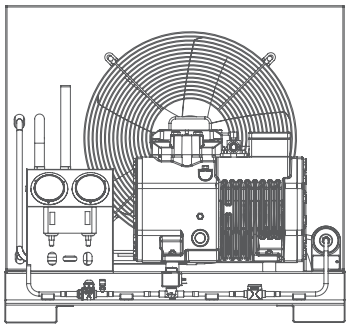
Normal Working Range

RLUM SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Medium Temperature Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-20	-15	-10	-5	0	5	Diagram
RLUM-B031Y-1D	Q(kW)	35	4.0	5.0	6.2	7.3	8.7	10.4	
		38	3.7	4.6	5.7	6.8	8.2	9.7	
		40	3.6	4.4	5.4	6.6	7.8	9.2	
		44	3.2	4.0	4.9	5.9	7.2	8.4	
		47	2.8	3.6	4.5	5.5	6.5	O.S.	
		50	2.6	3.3	4.0	4.9	O.S.	O.S.	
	P(kW)	35	2.4	2.7	2.9	3.2	3.5	3.8	
		38	2.4	2.7	3.0	3.3	3.6	3.9	
		40	2.4	2.7	3.1	3.4	3.7	4.0	
		44	2.5	2.8	3.1	3.5	3.8	4.1	
		47	2.5	2.8	3.2	3.5	3.9	O.S.	
		50	2.5	2.8	3.2	3.6	O.S.	O.S.	
RLUM-B040Y-1E	Q(kW)	35	5.2	6.4	7.9	9.4	11.3	13.2	
		38	4.9	5.9	7.3	8.9	10.5	12.3	
		40	4.6	5.8	6.9	8.4	9.9	11.9	
		44	4.1	5.1	6.3	7.5	9.1	10.7	
		47	3.7	4.6	5.7	7.1	8.3	O.S.	
		50	3.4	4.3	5.1	6.3	O.S.	O.S.	
	P(kW)	35	3.0	3.4	3.7	4.1	4.4	4.8	
		38	3.1	3.5	3.8	4.2	4.6	5.0	
		40	3.1	3.5	3.9	4.3	4.7	5.0	
		44	3.2	3.6	4.0	4.4	4.8	5.2	
		47	3.2	3.6	4.1	4.5	4.9	O.S.	
		50	3.2	3.7	4.1	4.6	O.S.	O.S.	
RLUM-B050Y-1E	Q(kW)	35	5.5	6.9	8.3	10.1	12.0	14.1	
		38	5.1	6.4	7.7	9.4	11.1	13.4	
		40	4.8	6.0	7.5	8.9	10.8	12.6	
		44	4.4	5.3	6.6	8.1	9.6	11.6	
		47	4.0	5.0	6.2	7.3	8.9	O.S.	
		50	3.6	4.4	5.5	6.8	O.S.	O.S.	
	P(kW)	35	3.3	3.7	4.1	4.4	4.8	5.1	
		38	3.4	3.8	4.2	4.5	4.9	5.2	
		40	3.4	3.8	4.2	4.6	5.0	5.3	
		44	3.5	3.9	4.3	4.7	5.1	5.5	
		47	3.5	4.0	4.4	4.8	5.2	O.S.	
		50	3.6	4.0	4.4	4.9	O.S.	O.S.	



Out of Scope

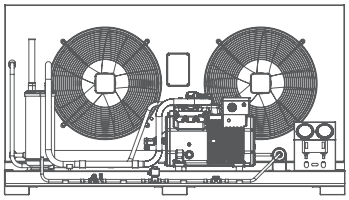
Normal Working Range

RLUM SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Medium Temperature Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-20	-15	-10	-5	0	5	Diagram
RLUM-B060Y-2A	Q(kW)	35	6.9	8.6	10.4	12.7	15.1	17.8	
		38	6.3	8.0	9.9	11.8	14.4	16.9	
		40	6.2	7.5	9.4	11.5	13.6	16.1	
		44	5.5	6.9	8.3	10.2	12.5	14.8	
		47	4.9	6.2	7.8	9.3	11.4	O.S.	
		50	4.4	5.6	7.0	8.6	O.S.	O.S.	
	P(kW)	35	4.1	4.6	5.1	5.6	6.1	6.6	
		38	4.2	4.7	5.2	5.8	6.2	6.7	
		40	4.2	4.8	5.3	5.8	6.3	6.9	
		44	4.3	4.9	5.5	6.0	6.5	7.1	
		47	4.4	4.9	5.5	6.1	6.7	O.S.	
		50	4.4	5.0	5.6	6.2	O.S.	O.S.	
RLUM-B070Y-2B	Q(kW)	35	8.1	10.1	12.5	15.0	17.8	21.4	
		38	7.5	9.4	11.6	13.9	17.0	20.0	
		40	7.3	8.9	11.0	13.6	16.1	19.0	
		44	6.5	8.2	10.2	12.2	14.9	17.6	
		47	5.9	7.4	9.3	11.5	13.6	O.S.	
		50	5.3	6.7	8.4	10.4	O.S.	O.S.	
	P(kW)	35	4.8	5.4	5.9	6.5	7.1	7.5	
		38	4.9	5.5	6.1	6.7	7.2	7.8	
		40	5.0	5.6	6.2	6.7	7.4	7.9	
		44	5.1	5.7	6.3	7.0	7.6	8.2	
		47	5.1	5.8	6.5	7.1	7.8	O.S.	
		50	5.2	5.9	6.6	7.2	O.S.	O.S.	
RLUM-B090Y-2C	Q(kW)	35	10.0	12.6	15.2	18.7	22.3	26.4	
		38	9.3	11.7	14.5	17.5	20.8	24.7	
		40	8.8	11.1	13.8	16.6	20.3	24.1	
		44	8.0	10.2	12.4	15.3	18.3	O.S.	
		47	7.3	9.3	11.6	14.0	17.3	O.S.	
		50	6.5	8.3	10.5	13.2	O.S.	O.S.	
	P(kW)	35	6.0	6.7	7.5	8.2	9.0	9.7	
		38	6.1	6.9	7.6	8.5	9.3	10.1	
		40	6.2	7.0	7.8	8.6	9.4	10.2	
		44	6.3	7.1	8.0	8.9	9.8	O.S.	
		47	6.4	7.2	8.1	9.1	9.9	O.S.	
		50	6.4	7.4	8.3	9.2	O.S.	O.S.	



Out of Scope

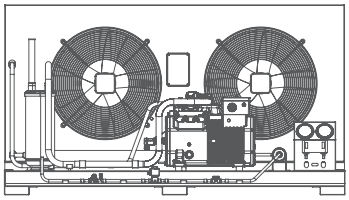
Normal Working Range

RLUM SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Medium Temperature Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-20	-15	-10	-5	0	5	Diagram
RLUM-B100Y-2C	Q(kW)	35	10.1	12.9	15.7	19.0	23.3	27.7	
		38	9.3	11.9	14.9	18.0	21.7	25.8	
		40	9.0	11.2	14.1	17.1	20.5	24.5	
		44	8.0	10.2	12.5	15.7	18.9	O.S.	
		47	7.2	9.2	11.7	14.3	17.2	O.S.	
		50	6.4	8.3	10.6	13.3	O.S.	O.S.	
	P(kW)	35	5.7	6.5	7.3	8.2	8.9	9.7	
		38	5.8	6.6	7.4	8.3	9.2	10.1	
		40	5.8	6.7	7.5	8.5	9.4	10.3	
		44	5.9	6.8	7.8	8.7	9.6	O.S.	
		47	6.0	6.9	7.8	8.8	9.9	O.S.	
		50	6.0	7.0	8.0	9.0	O.S.	O.S.	
RLUM-B120Y-2E	Q(kW)	35	12.7	15.7	19.6	23.6	28.9	34.2	
		38	11.8	14.9	18.2	22.5	26.9	31.9	
		40	11.1	14.1	17.7	21.4	25.6	31.2	
		44	9.9	12.5	15.8	19.7	23.6	28.1	
		47	9.2	11.4	14.4	18.0	21.6	O.S.	
		50	8.3	10.6	13.4	16.3	O.S.	O.S.	
	P(kW)	35	7.0	8.0	8.9	10.0	10.9	11.8	
		38	7.2	8.1	9.2	10.2	11.2	12.3	
		40	7.2	8.2	9.3	10.4	11.5	12.4	
		44	7.4	8.5	9.6	10.6	11.8	13.0	
		47	7.5	8.6	9.8	10.9	12.1	O.S.	
		50	7.6	8.7	9.9	11.1	O.S.	O.S.	
RLUM-B150Y-2F	Q(kW)	35	14.2	17.6	22.2	26.8	33	39.3	
		38	13.1	16.7	20.5	25.5	30.7	36.6	
		40	12.3	15.8	19.9	24.2	29.1	34.8	
		44	10.8	14.0	17.7	22.2	26.8	32.1	
		47	10.1	13.0	16.1	20.3	24.5	O.S.	
		50	9.0	11.7	15.0	18.3	O.S.	O.S.	
	P(kW)	35	7.8	9.0	10.1	11.3	12.3	13.5	
		38	7.9	9.1	10.3	11.5	12.7	14.0	
		40	8.0	9.2	10.4	11.7	13.0	14.3	
		44	8.1	9.4	10.7	11.9	13.3	14.7	
		47	8.2	9.5	10.8	12.2	13.6	O.S.	
		50	8.2	9.6	11.0	12.4	O.S.	O.S.	



Out of Scope

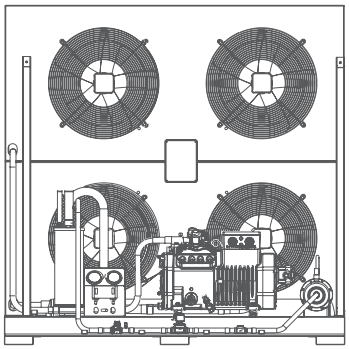
Normal Working Range

RLUM SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Medium Temperature Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-20	-15	-10	-5	0	5	Diagram
RLUM-B200Y-4A	Q(kW)	35	17.4	21.9	27.3	32.9	40.3	47.7	
		38	16.1	20.3	25.4	31.4	37.6	44.6	
		40	15.2	19.3	24.1	29.9	35.8	42.5	
		44	13.9	17.7	22.2	26.9	33.1	39.4	
		47	12.6	16.1	20.3	25.3	30.4	O.S.	
		50	11.3	14.5	18.4	23.0	O.S.	O.S.	
	P(kW)	35	9.5	10.8	12.0	13.3	14.5	15.8	
		38	9.7	11.0	12.3	13.6	15.0	16.4	
		40	9.8	11.2	12.5	13.9	15.3	16.8	
		44	10.0	11.4	12.8	14.4	15.8	17.3	
		47	10.1	11.6	13.1	14.6	16.2	O.S.	
		50	10.3	11.8	13.4	15.0	O.S.	O.S.	
RLUM-B220Y-4A	Q(kW)	35	19.2	24.2	30.1	36.1	42.9	51.8	
		38	18.2	22.4	27.9	34.4	40.9	48.4	
		40	17.2	21.8	26.5	32.7	38.9	46.1	
		44	15.2	19.4	24.3	29.3	35.9	42.6	
		47	13.7	17.5	22.1	27.5	32.9	O.S.	
		50	12.7	16.3	19.9	24.9	O.S.	O.S.	
	P(kW)	35	10.8	12.2	13.5	15.0	16.5	17.8	
		38	10.9	12.4	13.8	15.3	16.8	18.4	
		40	11.0	12.5	14.0	15.5	17.2	18.8	
		44	11.2	12.7	14.3	16.0	17.6	19.4	
		47	11.3	12.9	14.6	16.2	18.0	O.S.	
		50	11.3	13,0	14.8	16.5	O.S.	O.S.	
RLUM-B250Y-4B	Q(kW)	35	23.0	28.8	34.7	42.5	50.3	59.2	
		38	21.3	26.7	33.0	39.5	46.9	56.6	
		40	20.1	25.3	31.4	37.5	45.7	53.9	
		44	18.4	23.2	28	34.5	41.0	49.8	
		47	16.6	21.0	26.3	31.5	38.6	O.S.	
		50	14.9	18.9	23.7	29.5	O.S.	O.S.	
	P(kW)	35	12.9	14.5	16.2	17.8	19.5	21.2	
		38	13.1	14.8	16.5	18.3	20.1	21.7	
		40	13.3	15.0	16.7	18.6	20.3	22.1	
		44	13.4	15.2	17.1	19.0	21.0	22.8	
		47	13.6	15.5	17.3	19.4	21.3	O.S.	
		50	13.7	15.6	17.6	19.6	O.S.	O.S.	



Out of Scope

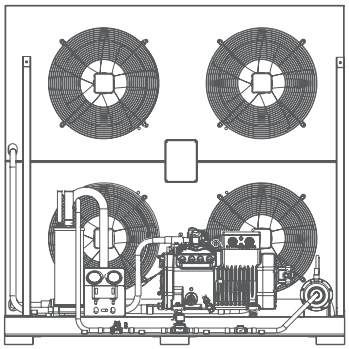
Normal Working Range

RLUM SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Medium Temperature Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-20	-15	-10	-5	0	5	Diagram
RLUM-B300Y-4C	Q(kW)	35	26.6	33.1	39.9	48.7	57.6	67.7	
		38	24.6	30.7	38.0	45.3	53.6	63.0	
		40	23.3	29.1	36.0	43.0	52.2	61.4	
		44	21.3	26.7	32.1	39.5	46.8	56.6	
		47	19.3	24.2	30.1	36.0	44.0	O.S.	
		50	17.2	21.8	27.2	33.6	O.S.	O.S.	
	P(kW)	35	15.0	16.8	18.7	20.5	22.5	24.5	
		38	15.2	17.1	19.0	21.1	23.1	25.2	
		40	15.4	17.3	19.3	21.4	23.4	25.5	
		44	15.6	17.6	19.8	21.9	24.1	26.2	
		47	15.7	17.9	20.0	22.3	24.5	O.S.	
		50	15.9	18.1	20.3	22.6	O.S.	O.S.	
RLUM-B350Y-4E	Q(kW)	35	32.4	40.1	49.2	58.3	68.6	81.9	
		38	30.1	37.3	45.8	54.3	65.4	76.3	
		40	29.3	35.5	43.5	52.9	62.2	72.6	
		44	26.2	32.6	38.9	47.5	57.4	66.9	
		47	23.8	29.7	36.6	44.7	52.5	O.S.	
		50	21.4	26.8	33.1	40.5	O.S.	O.S.	
	P(kW)	35	18.6	20.9	23.1	25.6	28.0	30.1	
		38	19.0	21.4	23.7	26.3	28.6	31.1	
		40	19.1	21.7	24.1	26.5	29.2	31.7	
		44	19.5	22.1	24.8	27.4	30.0	32.7	
		47	19.7	22.4	25.1	27.8	30.7	O.S.	
		50	19.9	22.7	25.5	28.4	O.S.	O.S.	
RLUM-B330Y-4D	Q(kW)	35	28.4	35.8	44.5	53.5	63.8	75.5	
		38	26.9	33.1	41.3	49.8	60.9	72.1	
		40	25.4	32.2	39.2	48.5	58.0	68.8	
		44	22.5	28.7	36.0	43.6	53.6	63.8	
		47	20.3	26.0	32.8	41.0	49.2	O.S.	
		50	18.8	24.2	29.6	37.2	O.S.	O.S.	
	P(kW)	35	16.0	18.0	19.9	21.9	24.0	25.9	
		38	16.1	18.3	20.4	22.5	24.4	26.5	
		40	16.3	18.4	20.7	22.7	24.9	27.0	
		44	16.5	18.8	21.0	23.4	25.5	27.8	
		47	16.6	19.0	21.4	23.7	26.1	O.S.	
		50	16.7	19.1	21.7	24.1	O.S.	O.S.	



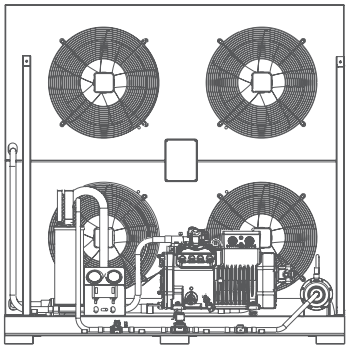
Out of Scope

Normal Working Range

RLUM SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Medium Temperature Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-20	-15	-10	-5	0	5	Diagram
RLUM-B351Y-4E	Q(kW)	35	33.8	42.3	51.0	62.4	74.0	87.1	
		38	31.3	39.2	47.4	58.1	68.9	81.2	
		40	29.6	37.2	46.1	55.2	65.6	79.3	
		44	27.1	33.1	41.2	50.8	60.4	O.S.	
		47	24.5	31.0	37.5	46.4	57.0	O.S.	
		50	21.9	27.9	35.0	O.S.	O.S.	O.S.	
	P(kW)	35	19.4	21.7	24.2	26.4	28.8	31.2	
		38	19.8	22.2	24.8	27.2	29.7	32.3	
		40	20.0	22.5	25.0	27.6	30.3	32.6	
		44	20.3	23.0	25.7	28.3	31.1	O.S.	
		47	20.5	23.3	26.2	28.9	31.6	O.S.	
		50	20.7	23.6	26.5	O.S.	O.S.	O.S.	
RLUM-B400Y-4F	Q(kW)	35	38.8	48.3	59.5	70.8	83.6	100.2	
		38	36.0	44.9	55.3	65.9	79.7	93.4	
		40	35.0	42.5	52.5	64.2	75.8	88.9	
		44	31.2	39.0	48.3	57.5	69.9	82.0	
		47	28.3	35.5	44.0	54.1	63.9	O.S.	
		50	25.3	31.9	39.7	49.0	O.S.	O.S.	
	P(kW)	35	22.6	25.2	27.8	30.6	33.4	35.7	
		38	23.0	25.8	28.5	31.4	34.1	36.9	
		40	23.2	26.1	29.0	31.7	34.7	37.7	
		44	23.6	26.6	29.6	32.8	35.7	38.8	
		47	23.9	27.0	30.2	33.2	36.5	O.S.	
		50	24.2	27.4	30.7	33.9	O.S.	O.S.	

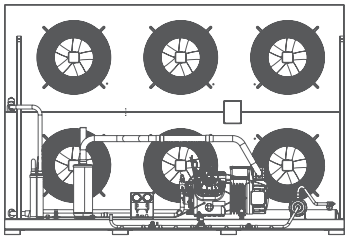
Out of Scope

Normal Working Range

RLUM SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Medium Temperature Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-20	-15	-10	-5	0	5	Diagram
RLUM-B500Y-6B	Q(kW)	35	47.6	59.2	72.7	86.3	104.0	121.6	
		38	44.2	55.0	67.6	82.3	96.9	113.2	
		40	43.0	52.1	64.2	78.2	92.1	110.4	
		44	38.3	47.8	59.0	70.0	84.8	99.1	
		47	34.8	43.5	53.8	65.9	77.5	O.S.	
		50	31.2	39.1	48.5	59.6	O.S.	O.S.	
	P(kW)	35	27.8	31.1	34.4	37.9	40.9	44.3	
		38	28.2	31.7	35.2	38.5	42.2	45.7	
		40	28.4	32.1	35.7	39.2	42.9	46.2	
		44	28.8	32.6	36.4	40.3	44.0	47.9	
		47	29.1	33.0	37.0	40.8	45.0	O.S.	
		50	29.2	33.3	37.5	41.6	O.S.	O.S.	
RLUM-B600Y-6D	Q(kW)	35	54.8	68.8	82.6	100.2	117.6	136.7	
		38	50.6	63.7	78.5	93.0	111.8	129.9	
		40	49.2	60.4	74.5	90.5	106.0	O.S.	
		44	43.6	55.3	O.S.	O.S.	O.S.	O.S.	
		47	O.S.	O.S.	O.S.	O.S.	O.S.	O.S.	
		50	O.S.	O.S.	O.S.	O.S.	O.S.	O.S.	
	P(kW)	35	33.6	38.1	42.8	47.1	51.5	55.8	
		38	34	38.7	43.3	48.1	52.4	56.8	
		40	34.1	39.1	43.8	48.4	53.1	O.S.	
		44	34.6	39.6	O.S.	O.S.	O.S.	O.S.	
		47	O.S.	O.S.	O.S.	O.S.	O.S.	O.S.	
		50	O.S.	O.S.	O.S.	O.S.	O.S.	O.S.	

Out of Scope

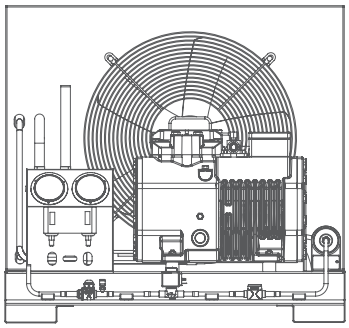
Normal Working Range

RLUL SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Low Temperature Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-30	-25	-20	-15	-10	-5	Diagram
RLUL-B010Y-1A	Q(kW)	35	1.1	1.3	1.7	2.2	2.7	3.2	
		38	0.9	1.3	1.6	2.0	2.5	3.0	
		40	0.9	1.2	1.5	1.9	2.4	2.9	
		44	0.7	1.0	1.3	1.7	2.1	2.6	
		47	0.7	0.9	1.2	1.6	1.9	O.S.	
		50	0.6	0.8	1.1	1.4	1.8	O.S.	
	P(kW)	35	0.9	1.1	1.2	1.4	1.6	1.7	
		38	0.9	1.1	1.2	1.4	1.6	1.8	
		40	0.9	1.1	1.3	1.4	1.6	1.8	
		44	0.9	1.1	1.3	1.5	1.6	1.8	
		47	0.9	1.1	1.3	1.5	1.7	O.S.	
		50	0.9	1.1	1.3	1.5	1.7	O.S.	
RLUL-B020Y-1A	Q(kW)	35	1.4	1.9	2.4	2.9	3.5	4.2	
		38	1.3	1.7	2.1	2.6	3.2	3.8	
		40	1.2	1.6	2.1	2.5	3.1	O.S.	
		44	1.1	1.4	1.8	2.2	2.7	O.S.	
		47	0.9	1.3	1.6	2.1	O.S.	O.S.	
		50	0.9	1.1	1.5	O.S.	O.S.	O.S.	
	P(kW)	35	1.4	1.6	1.9	2.1	2.4	2.6	
		38	1.4	1.7	1.9	2.2	2.4	2.7	
		40	1.4	1.7	1.9	2.2	2.5	O.S.	
		44	1.5	1.7	2.0	2.3	2.6	O.S.	
		47	1.5	1.7	2.0	2.3	O.S.	O.S.	
		50	1.5	1.8	2.0	O.S.	O.S.	O.S.	
RLUL-B020Y-1B	Q(kW)	35	2.0	2.5	3.2	4.0	4.8	5.7	
		38	1.8	2.4	3.0	3.7	4.5	5.4	
		40	1.7	2.2	2.8	3.5	4.3	5.1	
		44	1.5	1.9	2.5	3.1	3.9	O.S.	
		47	1.3	1.8	2.2	2.8	3.4	O.S.	
		50	1.1	1.5	2.0	2.5	O.S.	O.S.	
	P(kW)	35	1.5	1.8	2.1	2.3	2.6	2.9	
		38	1.5	1.8	2.1	2.4	2.7	3.0	
		40	1.5	1.8	2.1	2.4	2.7	3.0	
		44	1.5	1.8	2.1	2.4	2.7	O.S.	
		47	1.5	1.8	2.1	2.4	2.8	O.S.	
		50	1.5	1.8	2.1	2.4	O.S.	O.S.	



Out of Scope

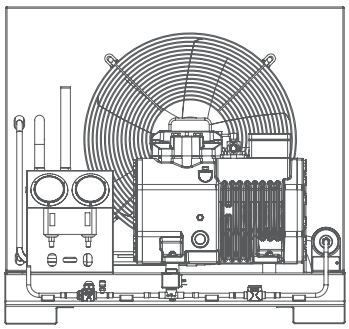
Normal Working Range

RLUL SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Low Temperature Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-30	-25	-20	-15	-10	-5	Diagram
RLUL-B021Y-1B	Q(kW)	35	2.3	2.9	3.6	4.5	5.4	6.3	
		38	2.1	2.7	3.4	4.1	5.0	5.9	
		40	1.9	2.5	3.1	3.9	4.7	O.S.	
		44	1.7	2.2	2.8	3.5	4.2	O.S.	
		47	1.5	2.0	2.5	3.2	3.9	O.S.	
		50	1.3	1.7	2.3	O.S.	O.S.	O.S.	
	P(kW)	35	1.8	2.1	2.5	2.8	3.1	3.5	
		38	1.8	2.2	2.5	2.8	3.2	3.6	
		40	1.8	2.2	2.5	2.9	3.2	O.S.	
		44	1.8	2.2	2.5	2.9	3.3	O.S.	
		47	1.8	2.2	2.5	2.9	3.3	O.S.	
		50	1.8	2.2	2.5	O.S.	O.S.	O.S.	
RLUL-B030Y-1C	Q(kW)	35	3.0	3.7	4.8	5.8	7.0	8.3	
		38	2.7	3.5	4.4	5.3	6.4	7.6	
		40	2.5	3.3	4.1	5.1	6.2	7.4	
		44	2.3	2.9	3.7	4.5	5.4	O.S.	
		47	2.0	2.6	3.3	4.2	5.0	O.S.	
		50	1.7	2.3	3.0	O.S.	O.S.	O.S.	
	P(kW)	35	2.4	2.8	3.1	3.6	4.0	4.4	
		38	2.4	2.8	3.2	3.6	4.1	4.5	
		40	2.4	2.8	3.2	3.7	4.1	4.6	
		44	2.4	2.8	3.3	3.7	4.2	O.S.	
		47	2.4	2.8	3.3	3.8	4.2	O.S.	
		50	2.4	2.8	3.3	O.S.	O.S.	O.S.	
RLUL-B031Y-1C	Q(kW)	35	3.1	4.0	5.0	6.0	7.3	8.7	
		38	2.9	3.7	4.5	5.5	6.7	8.0	
		40	2.8	3.4	4.4	5.4	6.5	O.S.	
		44	2.4	3.1	3.8	4.7	5.8	O.S.	
		47	2.1	2.8	3.5	4.3	O.S.	O.S.	
		50	1.9	2.5	3.1	O.S.	O.S.	O.S.	
	P(kW)	35	2.7	3.1	3.5	3.9	4.4	4.8	
		38	2.7	3.1	3.5	4.0	4.5	4.9	
		40	2.7	3.1	3.6	4.0	4.5	O.S.	
		44	2.7	3.1	3.6	4.1	4.6	O.S.	
		47	2.7	3.1	3.6	4.1	O.S.	O.S.	
		50	2.7	3.1	3.6	O.S.	O.S.	O.S.	



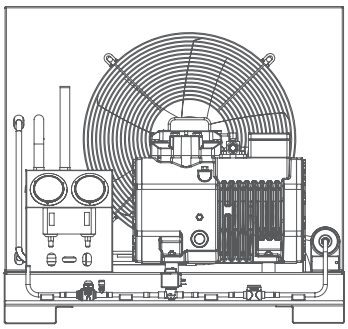
Out of Scope

Normal Working Range

RLUL SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Low Temperature Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-30	-25	-20	-15	-10	-5	Diagram
RLUL-B040Y-1D	Q(kW)	35	3.9	5.1	6.3	7.7	9.3	11.2	
		38	3.7	4.7	5.8	7.1	8.5	10.3	
		40	3.5	4.4	5.6	6.8	8.3	O.S.	
		44	3.0	3.9	4.9	6.0	7.3	O.S.	
		47	2.7	3.5	4.5	5.6	O.S.	O.S.	
		50	2.5	3.1	4.0	O.S.	O.S.	O.S.	
	P(kW)	35	3.3	3.8	4.4	5.0	5.6	6.2	
		38	3.3	3.9	4.5	5.1	5.7	6.4	
		40	3.4	3.9	4.5	5.1	5.8	O.S.	
		44	3.4	4.0	4.6	5.2	5.9	O.S.	
		47	3.4	4.0	4.6	5.3	O.S.	O.S.	
		50	3.4	4.0	4.7	O.S.	O.S.	O.S.	
RLUL-B050Y-1E	Q(kW)	35	4.7	6.1	7.5	9.2	11.1	13.3	
		38	4.3	5.6	6.9	8.7	10.5	12.7	
		40	4.2	5.2	6.7	8.2	10.0	12.0	
		44	3.6	4.7	5.9	7.2	9.1	O.S.	
		47	3.2	4.2	5.3	6.7	8.2	O.S.	
		50	2.8	3.8	4.9	O.S.	O.S.	O.S.	
	P(kW)	35	3.8	4.4	5.0	5.7	6.4	7.0	
		38	3.8	4.5	5.1	5.8	6.5	7.2	
		40	3.8	4.5	5.1	5.8	6.6	7.3	
		44	3.9	4.5	5.2	6.0	6.7	O.S.	
		47	3.9	4.6	5.3	6.0	6.8	O.S.	
		50	3.9	4.6	5.3	O.S.	O.S.	O.S.	

Out of Scope

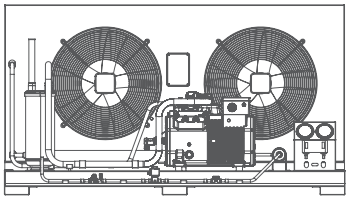
Normal Working Range

RLUL SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Low Temperature Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-30	-25	-20	-15	-10	-5	Diagram
RLUL-B060Y-2A	Q(kW)	35	5.8	7.5	9.5	11.7	14.2	17.1	
		38	5.4	6.8	8.8	10.8	13.2	15.9	
		40	5.1	6.6	8.3	10.2	12.8	15.1	
		44	4.4	5.8	7.3	9.3	11.4	O.S.	
		47	3.9	5.2	6.8	8.5	10.4	O.S.	
		50	3.6	4.8	6.1	7.9	O.S.	O.S.	
	P(kW)	35	4.6	5.3	6.1	6.9	7.7	8.6	
		38	4.6	5.4	6.2	7.1	7.9	8.8	
		40	4.7	5.4	6.3	7.1	8.0	9.0	
		44	4.7	5.5	6.4	7.3	8.2	O.S.	
		47	4.7	5.6	6.4	7.4	8.3	O.S.	
		50	4.7	5.6	6.5	7.4	O.S.	O.S.	
RLUL-B090Y-2A	Q(kW)	35	6.3	8.0	10.2	12.5	15.2	17.9	
		38	5.8	7.5	9.4	11.5	14.1	17.1	
		40	5.4	7.1	8.8	10.9	13.3	O.S.	
		44	4.8	6.2	8.0	9.9	12.2	O.S.	
		47	4.3	5.7	7.2	9.0	11.4	O.S.	
		50	3.8	5.1	6.4	O.S.	O.S.	O.S.	
	P(kW)	35	5.1	6.0	6.8	7.7	8.7	9.7	
		38	5.2	6.0	6.9	7.9	8.9	9.9	
		40	5.2	6.1	7.0	8.0	9.0	O.S.	
		44	5.2	6.1	7.1	8.1	9.2	O.S.	
		47	5.2	6.2	7.2	8.2	9.3	O.S.	
		50	5.2	6.2	7.3	O.S.	O.S.	O.S.	
RLUL-B070Y-2A	Q(kW)	35	5.7	7.4	9.6	11.9	14.6	17.2	
		38	5.2	6.9	8.8	10.9	13.4	16.3	
		40	4.9	6.5	8.2	10.3	12.7	15.5	
		44	4.3	5.6	7.4	9.3	11.5	O.S.	
		47	3.8	5.2	6.7	8.4	10.4	O.S.	
		50	3.3	4.6	5.9	7.8	O.S.	O.S.	
	P(kW)	35	4.3	5.1	5.9	6.9	7.8	8.9	
		38	4.3	5.1	6.0	7.0	8.0	9.1	
		40	4.3	5.1	6.1	7.1	8.2	9.3	
		44	4.3	5.2	6.2	7.2	8.3	O.S.	
		47	4.3	5.2	6.2	7.3	8.5	O.S.	
		50	4.3	5.3	6.3	7.4	O.S.	O.S.	



Out of Scope

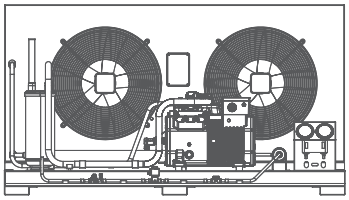
Normal Working Range

RLUL SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Low Temperature Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-30	-25	-20	-15	-10	-5	Diagram
RLUL-B090Y-2B	Q(kW)	35	7.0	9.2	11.5	14.2	17.3	21.0	
		38	6.6	8.4	10.8	13.4	16.4	19.9	
		40	6.1	7.8	10.2	12.6	15.5	18.8	
		44	5.3	7.1	8.9	11.5	14.2	O.S.	
		47	4.7	6.3	8.3	10.4	12.8	O.S.	
		50	4.3	5.8	7.3	O.S.	O.S.	O.S.	
	P(kW)	35	5.4	6.3	7.4	8.5	9.7	10.9	
		38	5.4	6.4	7.5	8.6	9.8	11.1	
		40	5.4	6.5	7.5	8.7	10.0	11.3	
		44	5.5	6.5	7.7	8.9	10.2	O.S.	
		47	5.5	6.6	7.8	9.0	10.4	O.S.	
		50	5.5	6.6	7.9	O.S.	O.S.	O.S.	
RLUL-B120Y-2C	Q(kW)	35	7.9	10.5	13.2	16.4	20.2	24.5	
		38	7.1	9.5	12.0	15.5	19.1	22.5	
		40	6.6	8.9	11.7	14.6	18	21.9	
		44	5.9	8.0	10.1	12.7	16.3	O.S.	
		47	5.2	7.0	9.0	11.8	14.7	O.S.	
		50	4.4	6.1	8.3	10.5	O.S.	O.S.	
	P(kW)	35	5.8	6.9	8.0	9.3	10.5	11.8	
		38	5.8	6.9	8.1	9.4	10.7	12.1	
		40	5.8	6.9	8.1	9.4	10.8	12.2	
		44	5.7	6.9	8.2	9.6	10.9	O.S.	
		47	5.6	6.9	8.2	9.6	11.1	O.S.	
		50	5.6	6.8	8.2	9.6	O.S.	O.S.	
RLUL-B140Y-2D	Q(kW)	35	9.5	12.5	15.6	19.3	23.6	28.5	
		38	8.9	11.4	14.7	18.2	22.3	27	
		40	8.3	11.0	13.8	17.1	21.0	25.5	
		44	7.1	9.5	12.0	15.5	19.0	O.S.	
		47	6.5	8.4	11.1	13.8	17.1	O.S.	
		50	5.7	7.7	9.8	12.8	O.S.	O.S.	
	P(kW)	35	7.3	8.6	10.0	11.4	12.9	14.4	
		38	7.3	8.6	10.0	11.5	13.1	14.6	
		40	7.3	8.6	10.1	11.6	13.2	14.8	
		44	7.2	8.6	10.2	11.7	13.4	O.S.	
		47	7.2	8.6	10.2	11.8	13.5	O.S.	
		50	7.1	8.6	10.2	11.8	O.S.	O.S.	



Out of Scope

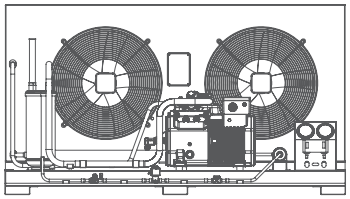
Normal Working Range

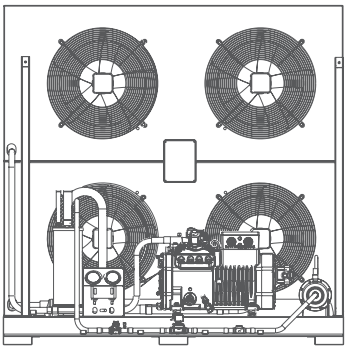
RLUL SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Low Temperature Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-30	-25	-20	-15	-10	-5	Diagram
RLUL-B150Y-2E	Q(kW)	35	11.8	14.9	19.0	23.3	28.2	33.8	
		38	10.8	13.6	17.5	21.5	26.1	31.4	
		40	10.1	13.2	16.5	20.3	25.4	30.6	
		44	8.7	11.6	15.0	18.5	22.6	O.S.	
		47	8.1	10.3	13.5	16.7	21.2	O.S.	
		50	7.1	9.5	12.0	15.5	O.S.	O.S.	
	P(kW)	35	8.6	10.0	11.4	12.9	14.5	16.2	
		38	8.7	10.1	11.6	13.2	14.9	16.6	
		40	8.7	10.1	11.7	13.3	15.0	16.7	
		44	8.7	10.2	11.8	13.5	15.3	O.S.	
		47	8.7	10.3	11.9	13.7	15.5	O.S.	
		50	8.7	10.3	12.0	13.8	O.S.	O.S.	
RLUL-B180Y-2F	Q(kW)	35	13.7	17.7	21.9	26.7	32.2	38.5	
		38	12.5	16.2	20.1	25.3	30.6	35.7	
		40	12.1	15.3	19.5	23.9	28.9	34.7	
		44	10.6	13.8	17.2	21.1	26.5	O.S.	
		47	9.4	12.4	15.4	19.7	24.0	O.S.	
		50	8.3	11.0	14.3	O.S.	O.S.	O.S.	
	P(kW)	35	10.3	12.0	13.7	15.6	17.5	19.6	
		38	10.4	12.1	14.0	15.8	17.8	20.1	
		40	10.4	12.2	14.0	16.0	18.1	20.2	
		44	10.5	12.3	14.3	16.3	18.4	O.S.	
		47	10.5	12.4	14.4	16.5	18.7	O.S.	
		50	10.5	12.4	14.5	O.S.	O.S.	O.S.	
RLUL-B230Y-4A	Q(kW)	35	16.7	20.8	26.3	31.9	39.2	46.8	
		38	15.4	19.7	24.2	30.3	36.4	43.4	
		40	14.5	18.6	22.9	28.7	34.5	41.2	
		44	12.7	16.4	20.9	25.4	31.7	O.S.	
		47	11.8	14.8	18.9	23.8	28.8	O.S.	
		50	10.5	13.7	17.5	21.4	O.S.	O.S.	
	P(kW)	35	12.2	14.2	16.2	18.4	20.6	23.0	
		38	12.4	14.3	16.5	18.7	21.1	23.6	
		40	12.4	14.5	16.7	19.0	21.4	24.0	
		44	12.6	14.7	17.0	19.4	21.9	O.S.	
		47	12.6	14.8	17.2	19.6	22.3	O.S.	
		50	12.7	14.9	17.3	19.9	O.S.	O.S.	





Out of Scope

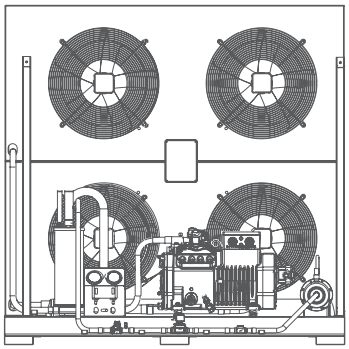
Normal Working Range

RLUL SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Low Temperature Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-30	-25	-20	-15	-10	-5	Diagram
RLUL-B280Y-4A	Q(kW)	35	19.4	24.2	29.7	36.9	44.3	52.5	
		38	17.9	22.3	28.1	34.1	40.9	48.6	
		40	16.8	21.6	26.6	32.2	38.7	O.S.	
		44	14.7	19.0	24.2	29.4	35.3	O.S.	
		47	13.6	17.1	21.8	26.5	33.1	O.S.	
		50	12.0	15.8	19.4	O.S.	O.S.	O.S.	
	P(kW)	35	14.7	17.1	19.7	22.2	24.8	27.5	
		38	14.9	17.4	19.9	22.6	25.4	28.2	
		40	14.9	17.4	20.1	22.9	25.7	O.S.	
		44	15.0	17.6	20.3	23.2	26.2	O.S.	
		47	15.0	17.7	20.5	23.5	26.5	O.S.	
		50	15.0	17.8	20.7	O.S.	O.S.	O.S.	
RLUL-B250Y-4A	Q(kW)	35	17.1	22.2	27.5	34.6	42.0	50.5	
		38	16.1	20.3	26.0	32.0	38.9	46.9	
		40	15.0	19.7	24.6	30.2	37.9	44.6	
		44	13.1	17.2	22.3	27.6	33.8	O.S.	
		47	12.1	15.4	20.2	25	31.8	O.S.	
		50	10.6	14.2	18.0	23.3	O.S.	O.S.	
	P(kW)	35	12.7	14.8	17.0	19.2	21.5	23.8	
		38	12.7	15.0	17.2	19.6	22.0	24.4	
		40	12.8	15.0	17.4	19.8	22.1	24.8	
		44	12.8	15.2	17.6	20.1	22.7	O.S.	
		47	12.8	15.2	17.7	20.4	22.9	O.S.	
		50	12.8	15.2	17.9	20.5	O.S.	O.S.	
RLUL-B280Y-4B	Q(kW)	35	20.2	26.0	32.2	39.2	47.4	56.7	
		38	18.5	23.9	29.6	37.2	45.0	53.9	
		40	17.9	22.5	28.7	35.2	42.6	51.2	
		44	15.6	20.4	25.3	32.1	39.0	O.S.	
		47	13.9	18.3	23.6	29.1	35.4	O.S.	
		50	12.7	16.2	21.1	O.S.	O.S.	O.S.	
	P(kW)	35	15.2	17.6	20.3	23.0	25.8	28.7	
		38	15.3	17.9	20.6	23.3	26.2	29.2	
		40	15.3	18.0	20.7	23.6	26.6	29.7	
		44	15.4	18.1	21.1	24.0	27.2	O.S.	
		47	15.4	18.3	21.2	24.4	27.6	O.S.	
		50	15.4	18.3	21.4	O.S.	O.S.	O.S.	



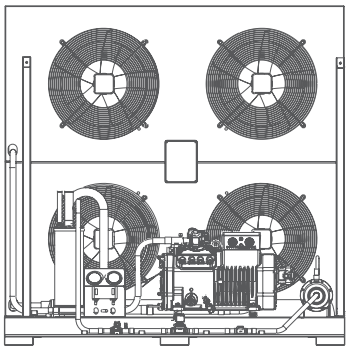
Out of Scope

Normal Working Range

RLUL SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Low Temperature Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-30	-25	-20	-15	-10	-5	Diagram
RLUL-B340Y-4D	Q(kW)	35	24.6	31.3	39.3	47.4	56.8	67.4	
		38	23.3	28.9	36.4	44.0	54.1	64.2	
		40	22.0	28.1	34.4	42.8	51.3	61.0	
		44	19.4	24.9	31.5	38.1	45.8	O.S.	
		47	17.4	22.5	28.5	34.6	43.0	O.S.	
		50	16.1	20.0	25.5	32.2	O.S.	O.S.	
	P(kW)	35	18.8	21.6	24.6	27.8	31.2	34.7	
		38	19.0	22.0	25.1	28.5	31.8	35.4	
		40	19.1	22.2	25.5	28.7	32.3	36.1	
		44	19.4	22.6	25.9	29.6	33.4	O.S.	
		47	19.6	22.9	26.4	30.2	33.9	O.S.	
		50	19.6	23.1	26.7	30.5	O.S.	O.S.	
RLUL-B440Y-4E	Q(kW)	35	29.2	37.3	45.8	55.4	66.4	78.8	
		38	26.8	34.4	42.2	52.6	63.0	74.9	
		40	25.2	32.4	41.0.	49.7	59.7	71.0	
		44	22.8	29.5	36.3	45.5	54.6	O.S.	
		47	20.4	26.6	32.7	41.2	49.6	O.S.	
		50	18.0	23.6	30.4	O.S.	O.S.	O.S.	
	P(kW)	35	22.7	26.1	29.7	33.5	37.3	41.2	
		38	22.9	26.4	30.2	33.9	37.8	41.9	
		40	22.9	26.6	30.3	34.3	38.3	42.5	
		44	23.0	26.8	30.8	34.8	39.0	O.S.	
		47	23.1	27.0	31.1	35.3	39.7	O.S.	
		50	23.0	27.1	31.3	O.S.	O.S.	O.S.	

Out of Scope

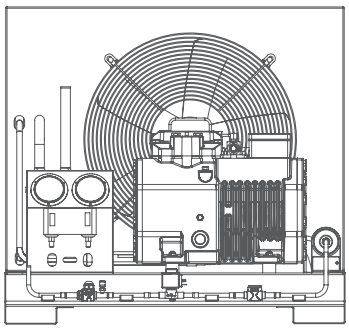
Normal Working Range

RLUL SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

High Temperature Application | R134A | 50HZ

Model		Ta(°C)\Te(°C)	-10	-5	0	5	10	15	Diagram
RLUL-B010Y-1A	Q(kW)	35	1.1	1.4	1.7	2.1	2.6	3.0	
		38	1.0	1.2	1.6	1.9	2.4	2.9	
		40	0.9	1.2	1.5	1.8	2.3	2.7	
		44	0.8	1.1	1.4	1.7	2.1	2.5	
		47	0.7	1.0	1.2	1.5	1.9	2.3	
		50	0.7	0.9	1.1	1.4	1.7	O.S.	
	P(kW)	35	0.7	0.8	0.9	0.9	1.0	1.1	
		38	0.7	0.8	0.9	0.9	1.0	1.1	
		40	0.7	0.8	0.9	1.0	1.0	1.1	
		44	0.8	0.8	0.9	1.0	1.1	1.2	
		47	0.8	0.9	0.9	1.0	1.1	1.2	
		50	0.8	0.9	1.0	1.0	1.1	O.S.	
RLUL-B020Y-1A	Q(kW)	35	1.4	1.8	2.2	2.7	3.3	3.8	
		38	1.3	1.7	2.1	2.5	3.0	3.7	
		40	1.2	1.6	2.0	2.4	2.9	3.5	
		44	1.1	1.4	1.8	2.2	2.6	3.1	
		47	1.0	1.3	1.6	2.0	2.4	O.S.	
		50	0.9	1.2	1.5	1.8	O.S.	O.S.	
	P(kW)	35	1.0	1.1	1.2	1.3	1.4	1.5	
		38	1.0	1.1	1.2	1.3	1.4	1.5	
		40	1.0	1.1	1.2	1.4	1.5	1.6	
		44	1.0	1.2	1.3	1.4	1.5	1.7	
		47	1.0	1.2	1.3	1.4	1.6	O.S.	
		50	1.0	1.2	1.3	1.5	O.S.	O.S.	
RLUL-B020Y-1B	Q(kW)	35	1.9	2.4	2.9	3.6	4.4	5.2	
		38	1.7	2.2	2.7	3.4	4.1	4.8	
		40	1.7	2.1	2.6	3.2	3.9	4.7	
		44	1.5	1.9	2.4	2.9	3.6	4.3	
		47	1.3	1.7	2.2	2.7	3.3	4.0	
		50	1.2	1.5	2.0	2.4	3.0	O.S.	
	P(kW)	35	1.2	1.4	1.5	1.6	1.7	1.9	
		38	1.3	1.4	1.5	1.7	1.8	2.0	
		40	1.3	1.4	1.6	1.7	1.8	2.0	
		44	1.3	1.4	1.6	1.8	1.9	2.1	
		47	1.3	1.5	1.6	1.8	2.0	2.1	
		50	1.3	1.5	1.6	1.8	2.0	O.S.	



Out of Scope

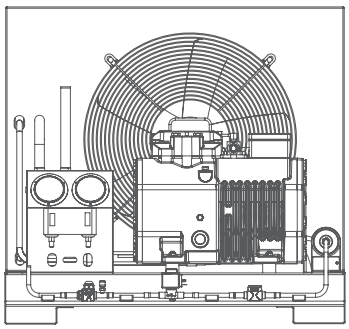
Normal Working Range

RLUL SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

High Temperature Application | R134A | 50HZ

Model		Ta(°C)\Te(°C)	-10	-5	0	5	10	15	Diagram
RLUL-B021Y-1B	Q(kW)	35	3.8	4.8	5.8	7.1	8.3	O.S.	
		38	3.7	4.6	5.6	6.8	8.1	O.S.	
		40	3.6	4.4	5.4	6.6	7.8	O.S.	
		44	3.3	4.1	5.1	6.1	7.4	O.S.	
		47	3.1	4.0	4.9	5.9	7.0	O.S.	
		50	3.0	3.7	4.6	5.6	6.7	O.S.	
	P(kW)	35	1.7	1.9	2.2	2.4	2.7	O.S.	
		38	1.7	1.9	2.2	2.4	2.7	O.S.	
		40	1.7	2.0	2.2	2.5	2.8	O.S.	
		44	1.8	2.0	2.3	2.6	2.9	O.S.	
		47	1.8	2.1	2.3	2.6	3.0	O.S.	
		50	1.8	2.1	2.4	2.7	3.0	O.S.	
RLUL-B030Y-1C	Q(kW)	35	4.8	6.0	7.3	8.9	10.4	O.S.	
		38	4.6	5.7	7.0	8.4	10.1	O.S.	
		40	4.4	5.6	6.9	8.2	9.8	O.S.	
		44	4.2	5.2	6.4	7.8	9.3	O.S.	
		47	4.0	4.9	6.1	7.3	8.8	O.S.	
		50	3.7	4.6	5.8	7.1	8.3	O.S.	
	P(kW)	35	2.1	2.3	2.6	2.9	3.2	O.S.	
		38	2.1	2.4	2.7	3.0	3.3	O.S.	
		40	2.1	2.4	2.7	3.1	3.4	O.S.	
		44	2.2	2.5	2.8	3.1	3.5	O.S.	
		47	2.2	2.5	2.9	3.2	3.6	O.S.	
		50	2.3	2.6	2.9	3.3	3.7	O.S.	
RLUL-B031Y-1C	Q(kW)	35	5.0	6.2	7.7	9.2	10.9	O.S.	
		38	4.7	5.9	7.3	8.9	10.5	O.S.	
		40	4.5	5.7	7.0	8.5	10.1	O.S.	
		44	4.2	5.3	6.6	8.0	9.5	O.S.	
		47	3.9	5.0	6.2	7.6	9.0	O.S.	
		50	3.7	4.6	5.8	7.1	8.6	O.S.	
	P(kW)	35	2.1	2.4	2.7	3.0	3.4	O.S.	
		38	2.2	2.5	2.8	3.1	3.5	O.S.	
		40	2.2	2.5	2.8	3.2	3.5	O.S.	
		44	2.2	2.5	2.9	3.2	3.6	O.S.	
		47	2.2	2.6	2.9	3.3	3.7	O.S.	
		50	2.2	2.6	3.0	3.4	3.8	O.S.	



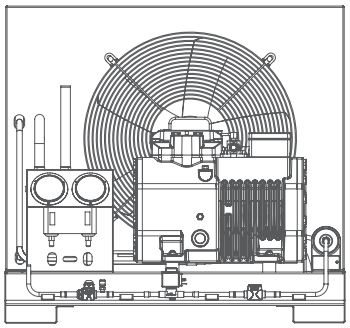
Out of Scope

Normal Working Range

RLUL SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

High Temperature Application | R134A | 50HZ

Model		Ta(°C)\Te(°C)	-10	-5	0	5	10	15	Diagram
RLUL-B040Y-1D	Q(kW)	35	6.5	8.0	9.8	11.8	13.9	O.S.	
		38	6.3	7.8	9.5	11.4	13.4	O.S.	
		40	6.1	7.5	9.1	11.0	13.0	O.S.	
		44	5.6	6.9	8.5	10.3	12.3	O.S.	
		47	5.3	6.7	8.2	9.9	11.6	O.S.	
		50	5.0	6.3	7.7	9.3	11.2	O.S.	
	P(kW)	35	2.8	3.2	3.5	3.9	4.4	O.S.	
		38	2.8	3.2	3.6	4.0	4.5	O.S.	
		40	2.9	3.3	3.7	4.1	4.6	O.S.	
		44	3.0	3.4	3.8	4.3	4.8	O.S.	
		47	3.0	3.4	3.9	4.4	4.9	O.S.	
		50	3.1	3.5	4.0	4.5	5.0	O.S.	
RLUL-B050Y-1E	Q(kW)	35	7.7	9.7	11.9	14.2	17.1	O.S.	
		38	7.2	9.2	11.3	13.7	16.2	O.S.	
		40	7.1	8.9	10.9	13.3	16	O.S.	
		44	6.6	8.2	10.1	12.3	14.8	O.S.	
		47	6.2	7.9	9.7	11.8	14.3	O.S.	
		50	5.7	7.4	9.1	11.1	13.4	O.S.	
	P(kW)	35	3.2	3.6	40	4.5	5.0	O.S.	
		38	3.3	3.7	4.2	4.6	5.2	O.S.	
		40	3.3	3.8	4.2	4.7	5.2	O.S.	
		44	3.4	3.9	4.4	4.9	5.5	O.S.	
		47	3.4	3.9	4.4	5.0	5.6	O.S.	
		50	3.5	4.0	4.5	5.1	5.7	O.S.	

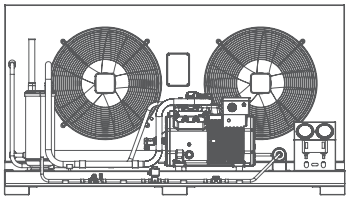
Out of Scope

Normal Working Range

RLUL SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

High Temperature Application | R134A | 50HZ

Model		Ta(°C)\Te(°C)	-10	-5	0	5	10	15	Diagram
RLUL-B060Y-2A	Q(kW)	35	9.7	12.0	14.7	17.8	21.3	O.S.	
		38	9.2	11.4	14.0	16.9	20.3	O.S.	
		40	8.9	11.0	13.7	16.7	19.7	O.S.	
		44	8.2	10.4	12.8	15.5	18.7	O.S.	
		47	7.7	9.8	12.1	14.7	17.7	O.S.	
		50	7.4	9.2	11.6	14.1	17.0	O.S.	
	P(kW)	35	3.9	4.4	5.0	5.5	6.0	O.S.	
		38	4.0	4.6	5.1	5.7	6.3	O.S.	
		40	4.1	4.6	5.2	5.7	6.4	O.S.	
		44	4.2	4.8	5.4	6.0	6.6	O.S.	
		47	4.3	4.9	5.5	6.1	6.8	O.S.	
		50	4.3	5.0	5.6	6.2	6.9	O.S.	
RLUL-B090Y-2A	Q(kW)	35	10.5	13.0	15.9	19.3	22.7	O.S.	
		38	9.9	12.3	15.1	18.3	22.0	O.S.	
		40	9.6	12.1	14.8	17.7	21.2	O.S.	
		44	9.0	11.2	13.8	16.8	20.1	O.S.	
		47	8.5	10.6	13.0	15.8	19.0	O.S.	
		50	8.0	9.9	12.5	15.2	17.9	O.S.	
	P(kW)	35	4.4	5.0	5.6	6.2	6.9	O.S.	
		38	4.5	5.1	5.7	6.4	7.0	O.S.	
		40	4.6	5.2	5.8	6.5	7.2	O.S.	
		44	4.7	5.3	6.0	6.7	7.4	O.S.	
		47	4.8	5.4	6.2	6.9	7.7	O.S.	
		50	4.8	5.5	6.2	7.0	7.9	O.S.	
RLUL-B070Y-2A	Q(kW)	35	9.9	12.6	15.6	18.5	22.2	O.S.	
		38	9.5	11.9	14.7	17.9	21.0	O.S.	
		40	9.1	11.5	14.1	17.2	20.6	O.S.	
		44	8.4	10.8	13.3	16.2	19.0	O.S.	
		47	7.8	10.1	12.5	15.2	18.3	O.S.	
		50	7.4	9.4	11.7	14.5	17.1	O.S.	
	P(kW)	35	4.0	4.5	5.1	5.7	6.2	O.S.	
		38	4.0	4.6	5.2	5.8	6.5	O.S.	
		40	4.1	4.7	5.3	5.9	6.5	O.S.	
		44	4.1	4.8	5.4	6.1	6.8	O.S.	
		47	4.2	4.8	5.5	6.2	6.9	O.S.	
		50	4.2	4.9	5.6	6.3	7.1	O.S.	

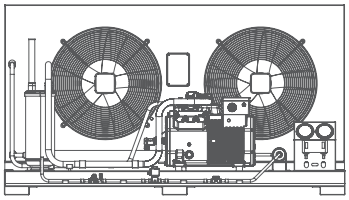
Out of Scope

Normal Working Range

RLUL SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

High Temperature Application | R134A | 50HZ

Model		Ta(°C)\Te(°C)	-10	-5	0	5	10	15	Diagram
RLUL-B090Y-2B	Q(kW)	35	12.1	15.1	18.5	22.4	26.8	O.S.	
		38	11.4	14.5	17.9	21.6	25.4	O.S.	
		40	11.2	14.0	17.2	20.8	24.9	O.S.	
		44	10.3	12.9	15.9	19.3	23.1	O.S.	
		47	9.6	12.4	15.2	18.5	22.2	O.S.	
		50	9.2	11.6	14.3	17.4	20.8	O.S.	
	P(kW)	35	4.8	5.5	6.2	6.9	7.5	O.S.	
		38	4.9	5.6	6.3	7.0	7.8	O.S.	
		40	4.9	5.7	6.4	7.2	7.9	O.S.	
		44	5.1	5.8	6.6	7.4	8.2	O.S.	
		47	5.1	5.9	6.7	7.6	8.4	O.S.	
		50	5.2	6.0	6.8	7.7	8.6	O.S.	
RLUL-B120Y-2C	Q(kW)	35	13.9	17.4	21.5	26.1	31.3	O.S.	
		38	13.1	16.4	20.3	24.6	29.6	O.S.	
		40	12.5	16.1	19.9	24.2	28.5	O.S.	
		44	11.7	14.8	18.3	22.3	26.8	O.S.	
		47	10.9	13.8	17.5	21.4	25.7	O.S.	
		50	10.1	13.2	16.4	20.0	24.1	O.S.	
	P(kW)	35	5.3	6.1	6.8	7.6	8.3	O.S.	
		38	5.4	6.2	7.0	7.8	8.6	O.S.	
		40	5.5	6.2	7.1	7.9	8.8	O.S.	
		44	5.5	6.4	7.3	8.1	9.0	O.S.	
		47	5.6	6.5	7.3	8.3	9.2	O.S.	
		50	5.6	6.5	7.5	8.4	9.4	O.S.	
RLUL-B140Y-2D	Q(kW)	35	16.3	20.7	25.4	30.2	36.2	O.S.	
		38	15.6	19.6	24.0	29.1	34.9	O.S.	
		40	15.0	18.8	23.1	28.1	33.6	O.S.	
		44	13.8	17.7	21.8	26.5	31.1	O.S.	
		47	12.8	16.6	20.5	24.9	29.9	O.S.	
		50	12.2	15.5	19.1	23.3	28.0	O.S.	
	P(kW)	35	6.4	7.2	8.1	9.1	10.0	O.S.	
		38	6.5	7.4	8.3	9.3	10.2	O.S.	
		40	6.6	7.5	8.5	9.5	10.5	O.S.	
		44	6.7	7.6	8.7	9.7	10.9	O.S.	
		47	6.7	7.8	8.8	10.0	11.1	O.S.	
		50	6.8	7.9	9.0	10.2	11.4	O.S.	

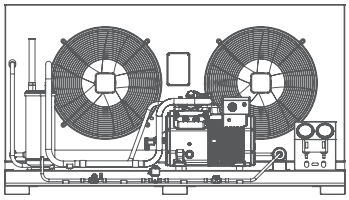
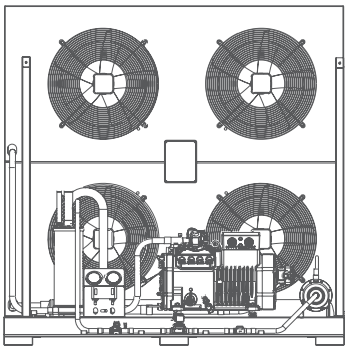
Out of Scope

Normal Working Range

RLUL SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

High Temperature Application | R134A | 50HZ

Model		Ta(°C)\Te(°C)	-10	-5	0	5	10	15	Diagram
RLUL-B150Y-2E	Q(kW)	35	19.2	23.8	29.0	34.9	41.6	O.S.	
		35	18.3	22.6	27.6	33.3	39.7	O.S.	
		35	17.6	21.8	27.1	32.7	39.1	O.S.	
		35	16.3	20.7	25.3	30.6	36.6	O.S.	
		35	15.3	19.5	23.9	28.9	34.7	O.S.	
		35	14.7	18.3	23.0	27.8	33.4	O.S.	
	P(kW)	35	7.5	8.4	9.3	10.2	11.1	O.S.	
		35	7.7	8.7	9.6	10.6	11.5	O.S.	
		35	7.8	8.8	9.7	10.7	11.7	O.S.	
		35	8.1	9.0	10.1	11.2	12.2	O.S.	
		35	8.2	9.2	10.3	11.5	12.6	O.S.	
		35	8.3	9.4	10.5	11.7	12.8	O.S.	
RLUL-B180Y-2F	Q(kW)	35	22.5	27.7	34.3	40.6	48.3	O.S.	
		35	21.4	26.8	32.6	39.3	46.8	O.S.	
		35	21.0	25.9	31.5	38.0	45.3	O.S.	
		35	19.5	24.1	29.4	36.0	42.3	O.S.	
		35	18.3	23.2	28.3	34.1	40.7	O.S.	
		35	17.2	21.8	26.6	32.1	38.4	O.S.	
	P(kW)	35	8.9	10.0	11.1	12.3	13.5	O.S.	
		35	9.1	10.2	11.4	12.6	13.8	O.S.	
		35	9.2	10.4	11.6	12.9	14.1	O.S.	
		35	9.5	10.8	12.1	13.3	14.8	O.S.	
		35	9.7	10.9	12.3	13.7	15.1	O.S.	
		35	9.8	11.1	12.6	14.0	15.5	O.S.	
RLUL-B230Y-4A	Q(kW)	35	25.7	32.2	39.1	47.1	56.1	O.S.	
		35	24.7	30.5	37.1	45.5	54.3	O.S.	
		35	23.8	29.4	36.5	44.0	52.5	O.S.	
		35	21.9	27.7	33.8	40.8	48.8	O.S.	
		35	20.5	26.0	31.8	39.3	47.0	O.S.	
		35	19.1	24.3	30.5	36.9	44.3	O.S.	
	P(kW)	35	10.0	11.2	12.6	14.0	15.4	O.S.	
		35	10.2	11.6	13.0	14.3	15.7	O.S.	
		35	10.3	11.8	13.1	14.6	16.1	O.S.	
		35	10.6	12.0	13.6	15.2	16.8	O.S.	
		35	10.8	12.3	13.9	15.5	17.1	O.S.	
		35	10.9	12.5	14.1	15.8	17.6	O.S.	

Out of Scope

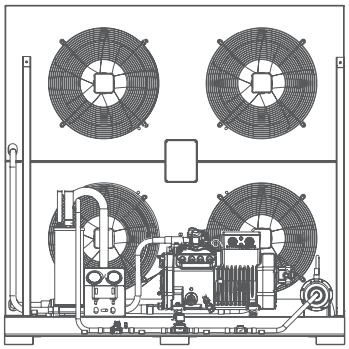
Normal Working Range

RLUL SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

High Temperature Application | R134A | 50HZ

Model		Ta(°C)\Te(°C)	-10	-5	0	5	10	15	Diagram
RLUL-B280Y-4A	Q(kW)	35	31.2	38.4	46.6	56.1	65.9	O.S.	
		38	29.8	36.6	44.5	53.6	63.9	O.S.	
		40	28.8	35.4	43.1	51.9	61.9	O.S.	
		44	26.8	33.7	40.9	49.3	57.9	O.S.	
		47	25.8	31.9	38.8	46.8	55.9	O.S.	
		50	24.4	30.1	36.6	44.2	52.9	O.S.	
	P(kW)	35	12.6	14.3	16.1	17.9	20.0	O.S.	
		38	12.9	14.7	16.6	18.6	20.5	O.S.	
		40	13.1	15.0	16.9	18.9	21.0	O.S.	
		44	13.5	15.3	17.4	19.5	21.9	O.S.	
		47	13.6	15.7	17.8	20.0	22.3	O.S.	
		50	13.9	16.0	18.2	20.5	22.9	O.S.	
RLUL-B250Y-4A	Q(kW)	35	28.1	34.9	42.7	51.6	61.7	O.S.	
		38	26.6	33.1	40.5	49.1	58.8	O.S.	
		40	25.6	31.9	39.8	48.2	56.8	O.S.	
		44	23.6	30.1	36.9	44.8	53.8	O.S.	
		47	22.6	28.3	34.8	43.1	50.8	O.S.	
		50	21.2	26.5	33.4	40.6	48.8	O.S.	
	P(kW)	35	11.0	12.4	13.9	15.4	16.9	O.S.	
		38	11.2	12.7	14.3	15.9	17.5	O.S.	
		40	11.3	12.9	14.4	16.1	17.9	O.S.	
		44	11.6	13.2	14.9	16.6	18.4	O.S.	
		47	11.7	13.4	15.2	16.9	18.9	O.S.	
		50	11.8	13.6	15.4	17.3	19.2	O.S.	
RLUL-B280Y-4B	Q(kW)	35	32.9	41.4	50.5	59.9	71.6	O.S.	
		38	31.2	39.3	48.0	58.0	69.3	O.S.	
		40	30.7	38.0	46.4	56.1	67.1	O.S.	
		44	28.4	35.2	43.9	53.1	62.5	O.S.	
		47	26.7	33.9	41.5	50.2	60.2	O.S.	
		50	25.0	31.8	39.0	47.3	56.8	O.S.	
	P(kW)	35	13.1	14.7	16.5	18.5	20.3	O.S.	
		38	13.5	15.2	17.0	18.9	20.8	O.S.	
		40	13.5	15.4	17.3	19.3	21.3	O.S.	
		44	13.9	15.9	17.8	19.9	22.2	O.S.	
		47	14.1	16.1	18.2	20.4	22.6	O.S.	
		50	14.3	16.4	18.6	20.9	23.2	O.S.	



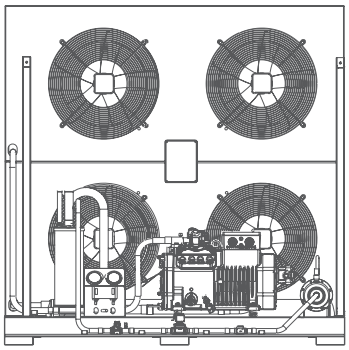
Out of Scope

Normal Working Range

RLUL SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

High Temperature Application | R134A | 50HZ

Model		Ta(°C)\Te(°C)	-10	-5	0	5	10	15	Diagram
RLUL-B340Y-4D	Q(kW)	35	38.7	48.4	58.8	70.7	84.1	O.S.	
		38	36.7	46.0	56.0	67.3	80.2	O.S.	
		40	35.5	44.5	54.1	65.1	77.6	O.S.	
		44	33.6	41.4	51.3	61.8	73.7	O.S.	
		47	31.6	39.1	48.6	58.5	69.8	O.S.	
		50	29.7	37.5	45.8	55.2	67.2	O.S.	
	P(kW)	35	15.2	17.1	19.1	21.2	23.3	O.S.	
		38	15.6	17.6	19.7	22.0	24.2	O.S.	
		40	15.8	17.9	20.1	22.4	24.7	O.S.	
		44	16.2	18.5	20.7	23.1	25.5	O.S.	
		47	16.4	18.8	21.2	23.7	26.2	O.S.	
		50	16.7	19.1	21.6	24.2	26.7	O.S.	
RLUL-B440Y-4E	Q(kW)	35	46.0	57.5	69.8	83.9	99.8	O.S.	
		38	44.5	54.8	66.5	79.9	95.1	O.S.	
		40	43.0	52.9	64.3	77.3	92.0	O.S.	
		44	40.0	49.3	61.0	73.3	87.4	O.S.	
		47	37.7	47.4	57.7	69.4	82.7	O.S.	
		50	35.5	44.7	54.4	66.8	79.6	O.S.	
	P(kW)	35	18.8	21.0	23.4	25.9	28.3	O.S.	
		38	19.1	21.6	24.1	26.7	29.3	O.S.	
		40	19.4	22.0	24.6	27.3	30.0	O.S.	
		44	20.0	22.6	25.2	28.0	30.8	O.S.	
		47	20.3	23.0	25.8	28.7	31.7	O.S.	
		50	20.6	23.4	26.3	29.1	32.2	O.S.	

Out of Scope

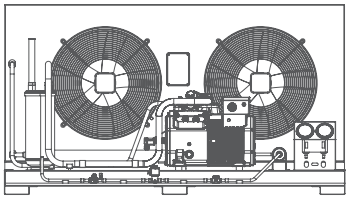
Normal Working Range

RLUB SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Blast Freezer Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-45	-40	-35	-30	-25	-20	Diagram
RLUB-D050Y-2A	Q(kW)	35	3.8	4.7	5.9	7.1	8.6	O.S.	
		38	3.7	4.6	5.8	7.0	8.5	O.S.	
		40	3.6	4.6	5.7	7.0	8.4	O.S.	
		44	3.5	4.5	5.5	6.8	8.2	O.S.	
		47	3.5	4.4	O.S.	O.S.	O.S.	O.S.	
		50	O.S.	O.S.	O.S.	O.S.	O.S.	O.S.	
	P(kW)	35	3.6	4.0	4.4	4.9	5.4	O.S.	
		38	3.7	4.1	4.6	5.0	5.6	O.S.	
		40	3.8	4.2	4.7	5.1	5.7	O.S.	
		44	3.9	4.4	4.9	5.4	5.9	O.S.	
		47	4.0	4.5	O.S.	O.S.	O.S.	O.S.	
		50	O.S.	O.S.	O.S.	O.S.	O.S.	O.S.	
RLUB-D080Y-2C	Q(kW)	35	5.3	6.7	8.3	10.1	12.2	O.S.	
		38	5.2	6.6	8.2	10.0	12.0	O.S.	
		40	5.2	6.5	8.1	9.9	11.9	O.S.	
		44	5.0	6.3	7.9	9.6	11.6	O.S.	
		47	4.9	6.2	7.8	O.S.	O.S.	O.S.	
		50	O.S.	O.S.	O.S.	O.S.	O.S.	O.S.	
	P(kW)	35	5.1	5.7	6.3	7.0	7.6	O.S.	
		38	5.3	5.9	6.5	7.2	7.9	O.S.	
		40	5.4	6.0	6.7	7.4	8.0	O.S.	
		44	5.6	6.3	7.0	7.7	8.4	O.S.	
		47	5.7	6.5	7.2	O.S.	O.S.	O.S.	
		50	O.S.	O.S.	O.S.	O.S.	O.S.	O.S.	
RLUB-D120Y-2F	Q(kW)	35	8.6	10.7	13.0	15.5	18.2	O.S.	
		38	8.4	10.5	12.8	15.3	18.0	O.S.	
		40	8.3	10.3	12.6	15.1	17.8	O.S.	
		44	8.1	10.0	12.3	14.7	17.4	O.S.	
		47	7.9	9.8	12.0	O.S.	O.S.	O.S.	
		50	O.S.	O.S.	O.S.	O.S.	O.S.	O.S.	
	P(kW)	35	7.7	8.7	9.5	10.5	11.5	O.S.	
		38	7.9	8.9	9.8	10.9	11.9	O.S.	
		40	8.1	9.1	10.1	11.1	12.1	O.S.	
		44	8.4	9.5	10.5	11.6	12.7	O.S.	
		47	8.7	9.8	10.8	O.S.	O.S.	O.S.	
		50	O.S.	O.S.	O.S.	O.S.	O.S.	O.S.	



Out of Scope

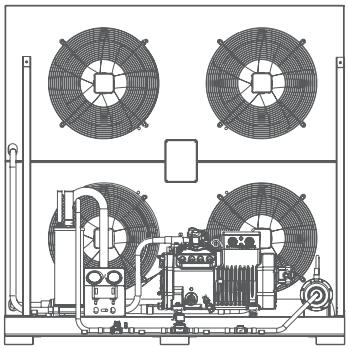
Normal Working Range

RLUB SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Blast Freezer Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-45	-40	-35	-30	-25	-20	Diagram
RLUB-D160Y-4B	Q(kW)	35	12.1	15.0	18.1	21.5	25.3	O.S.	
		38	11.9	14.7	17.8	21.2	24.9	O.S.	
		40	11.7	14.5	17.6	21.0	24.7	O.S.	
		44	11.4	14.1	17.2	20.5	24.2	O.S.	
		47	11.2	13.9	16.9	O.S.	O.S.	O.S.	
		50	O.S.	O.S.	O.S.	O.S.	O.S.	O.S.	
	P(kW)	35	10.7	12.0	13.5	15.0	16.6	O.S.	
		38	11.1	12.4	13.9	15.5	17.2	O.S.	
		40	11.3	12.7	14.2	15.8	17.5	O.S.	
		44	11.8	13.2	14.8	16.5	18.2	O.S.	
		47	12.1	13.6	15.2	O.S.	O.S.	O.S.	
		50	O.S.	O.S.	O.S.	O.S.	O.S.	O.S.	
RLUB-D200Y-4C	Q(kW)	35	14.0	17.3	20.9	24.8	29.2	O.S.	
		38	13.6	16.9	20.5	24.4	28.7	O.S.	
		40	13.5	16.7	20.2	24.2	28.4	O.S.	
		44	13.1	16.3	19.7	23.6	27.8	O.S.	
		47	12.9	16.0	19.4	O.S.	O.S.	O.S.	
		50	O.S.	O.S.	O.S.	O.S.	O.S.	O.S.	
	P(kW)	35	12.4	13.9	15.6	17.4	19.2	O.S.	
		38	12.8	14.4	16.1	18.0	19.9	O.S.	
		40	13.1	14.7	16.5	18.3	20.3	O.S.	
		44	13.6	15.3	17.1	19.1	21.1	O.S.	
		47	14.0	15.7	17.6	O.S.	O.S.	O.S.	
		50	O.S.	O.S.	O.S.	O.S.	O.S.	O.S.	
RLUB-D250Y-4D	Q(kW)	35	16.0	19.7	23.8	28.3	33.2	O.S.	
		38	15.6	19.3	23.4	27.8	32.7	O.S.	
		40	15.4	19.1	23.1	27.5	32.3	O.S.	
		44	15.0	18.6	22.5	26.9	31.6	O.S.	
		47	14.7	18.2	22.1	O.S.	O.S.	O.S.	
		50	O.S.	O.S.	O.S.	O.S.	O.S.	O.S.	
	P(kW)	35	14.3	16.0	17.9	20.0	22.1	O.S.	
		38	14.8	16.5	18.5	20.6	22.8	O.S.	
		40	15.1	16.9	18.9	21.1	23.2	O.S.	
		44	15.7	17.6	19.7	21.9	24.2	O.S.	
		47	16.1	18.1	20.3	O.S.	O.S.	O.S.	
		50	O.S.	O.S.	O.S.	O.S.	O.S.	O.S.	



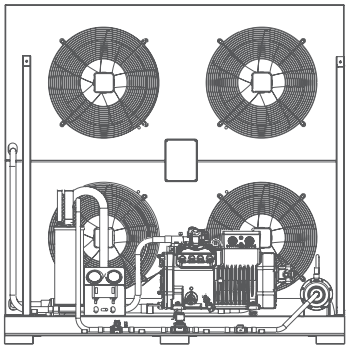
Out of Scope

Normal Working Range

RLUB SERIES

Refrigerating Capacity (Q) And Compressor Power Input (P)

Blast Freezer Application | R404A | 50HZ

Model		Ta(°C)\Te(°C)	-45	-40	-35	-30	-25	-20	Diagram
RLUB-D300Y-4E	Q(kW)	35	18.9	23.2	28.0	33.3	39.1	O.S.	
		38	18.5	22.7	27.5	32.7	38.4	O.S.	
		40	18.2	22.4	27.1	32.3	37.9	O.S.	
		44	17.7	21.8	26.4	31.4	37.0	O.S.	
		47	17.4	21.4	O.S.	O.S.	O.S.	O.S.	
		50	O.S.	O.S.	O.S.	O.S.	O.S.	O.S.	
	P(kW)	35	17.1	19.3	21.6	24.0	26.5	O.S.	
		38	17.6	19.9	22.3	24.8	27.4	O.S.	
		40	18.0	20.3	22.8	25.3	28.0	O.S.	
		44	18.7	21.2	23.7	26.4	29.1	O.S.	
		47	19.3	21.8	O.S.	O.S.	O.S.	O.S.	
		50	O.S.	O.S.	O.S.	O.S.	O.S.	O.S.	

Out of Scope

Normal Working Range

IMPORTANT INFORMATION

Only qualified personnel are permitted to install and repair compressors. All electrical connections of the compressor and its accessories must be carried out by authorized personnel only.

PART WINDING MOTOR (PW).

When a 3-phase asynchronous motor is started directly online, an inrush current occurs, typically 3 to 8 times the nominal operating current, depending on the motor type.

For smaller compressors (less than 7 hp), the starting current is relatively low, and the motor winding is star-connected (Y).

For larger compressors used in our units, the motor connection is Y/YY. In this type, the stator winding is divided into two parallel insulated parts. This allows sequential switching of the part windings, resulting in a significantly reduced starting current.

ELECTRICAL CONNECTIONS

- K1 contactor for Part Winding 1 (PW1):
  Connections: U1, V1, W1
- K2 contactor for Part Winding 2 (PW2):
  Connections: U2, V2, W2

Time delay before connecting the second part winding: 0.5 seconds.

SELECTION OF MOTOR CONTACTORS (K1/K2)

For winding partition of 50–50% (Y/YY), each contactor should be rated at approximately 60% of the maximum running current.

CRANKCASE (OIL HEATER)

The oil heater operates inversely to the compressor:

- Compressor OFF → Oil heater ON (maintains oil temperature approx. 15–20 K above ambient)
- Compressor ON → Oil heater OFF

SWITCHING FREQUENCY

Do not start the compressor more than 8 times per hour.

Unit Model	Minimum Running Time
Up to 7.5 HP	2 minutes
7.5 to 20 HP	3 minutes
above 20 HP	5 minutes

IMPORTANT INFORMATION

REFRIGERATION OILS FOR BITZER COMPRESSORS

Refrigerant	Oil Charge
HFC R134a & R404A	Tc < 55°C → Bitzer BSE 32 (POE)
	Tc > 55°C → Bitzer BSE 55 (POE)

RIME Units are designed to operate with Bitzer BSE32 (POE) oil.

LUBRICATION / OIL CHECK

Check compressor lubrication by ensuring the oil level is between 1/4 and 3/4 of the sight glass.

- For compressors with an oil pump, monitoring can be provided by a differential oil pressure switch (MP54/ MP55) or Delta PII.
- OLC-K1 is used for compressors with centrifugal lubrication. It monitors oil supply using an optoelectronic infrared sensor and shuts down the compressor if oil shortage persists beyond the delay time.
- Delta PII oil pressure control is applied across all RIME units featuring an oil pump.

OIL CHANGING

Oil changing is generally not required for factory-assembled units.

- Check oil quality every 3 years or after 10,000–12,000 operating hours.
- Oil filter cleaning must be carried out during oil changes.

EVACUATION (DRYING)

- Energize crankcase heater.
- Open all shut off and solenoid valves.
- Evacuate system using a vacuum pump connected to both high and low-pressure sides.

A standing vacuum of < 1.5 mbar must be maintained when the pump is switched OFF. Repeat if necessary.

APPLICATION LIMIT

- Low-temperature units are intended for storage of frozen products only. Products must be pre-frozen before storage.
- Maintain high evaporation temperatures within the compressor envelope; these units are suitable for storage applications such as warehouses and greenhouses.
- If there is a risk of the evaporation temperature rising beyond the operating envelope, use a CPRV (KVL), an MOP expansion valve, or an electronic expansion valve with MOP protection

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