

# EUROPE COMMERCIAL CONDENSING UNITS\*

R134a | R404A/R507 | R290

\* Only 50Hz and 3Ø models are listed here.  
For 60Hz models and complete data sheet visit our web catalogue  
[www.embraco.com/catalog](http://www.embraco.com/catalog)

Embraco Commercial Product Overview

EUROPE RANGE



BRAZIL RANGE



CONDENSING UNIT

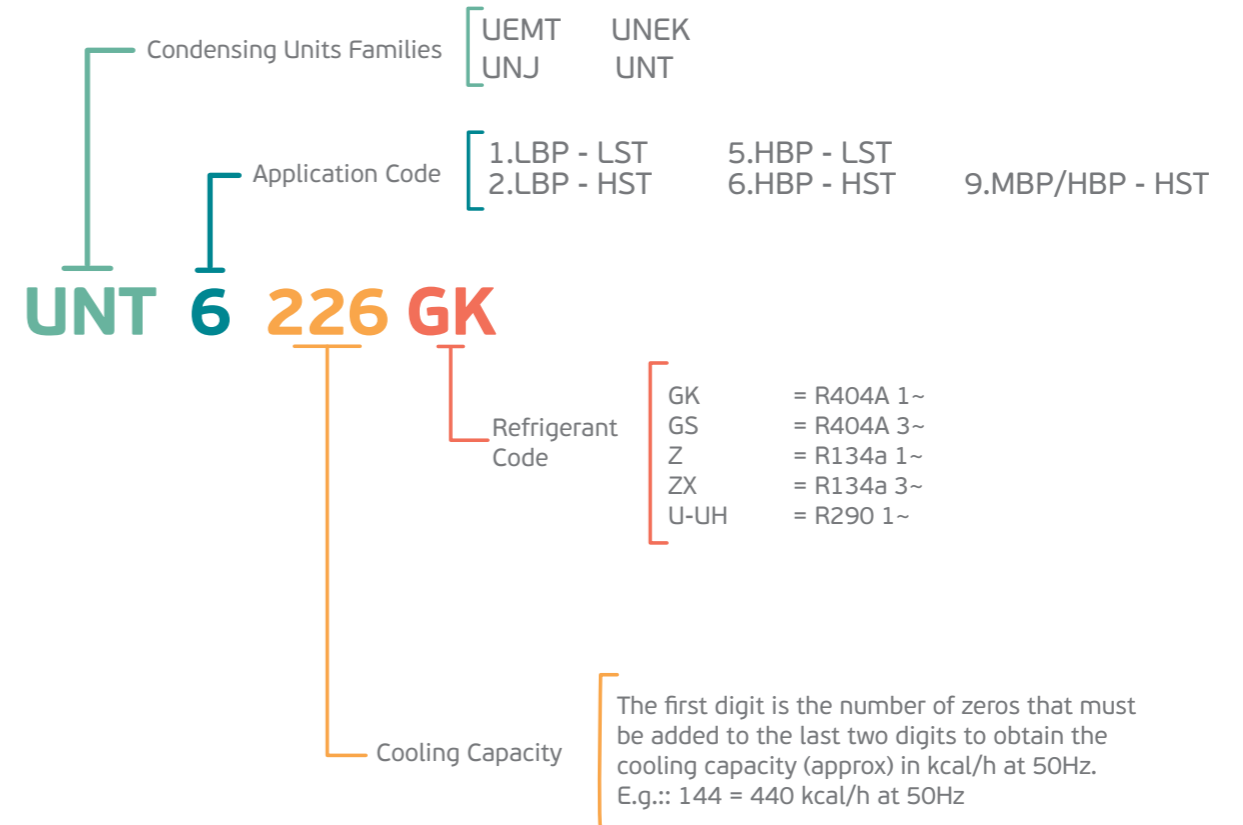


FULLMOTION



Nomenclature

UEM/UNEK/UNT/UNJ



Families

FAMILIES	LBP			MBP			HBP		
	R134a	R404A	R290	R134a	R404A	R290	R134a	R404A	R290
UEM	✓	✓	✓	✗	✓	✓	✓	✗	✗
UNEK	✓	✓	✓	✗	✓	✓	✓	✗	✗
UNT	✓	✓	✓	✗	✓	✓	✓	✗	✗
UNJ	✓	✓	✗	✗	✓	✗	✓	✗	✗

Voltage & Frequencies

Code	Voltage & Frequency	Voltage Working Range		Minum Start Voltage	
		50Hz	60Hz	50Hz	60Hz
A	220-240V/50Hz 1 ~	198V - 254V		187V	
B	200-230V/50Hz (208-230V/60Hz) 1~	180V - 244V	187V - 244V	170V	177V
C	220V/50Hz 1 ~	200V - 242V		187V	
D	208-230V/60Hz 1 ~		187V - 244V		177V
G	115V/60Hz 1 ~		103V - 127V		98V
M	380-420V 50Hz / 440-480V 60Hz 3 ~	332V - 445V	396V - 509V	323V	374V
N	200-240V/50Hz (230V/60Hz) 1 ~	180V - 254V	207V - 253V	170V	195V
V	230V/50Hz 1 ~	207V - 253V		195V	

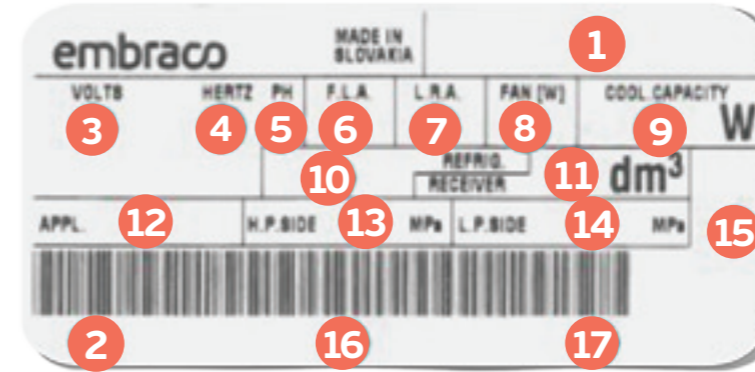
# Product Maps 50Hz CONDENSING UNITS PRODUCT MAP 50HZ/DUAL FREQ./30

50Hz 50-60Hz	R134a						R404A / R507						R290					
	LBP	M/HBP	VOLT. FREQ.	COOL. CAP. [kW]	DISPL. [cc]	DISPL. [cc]	LBP	M/HBP	VOLT. FREQ.	COOL. CAP. [kW]	DISPL. [cc]	DISPL. [cc]	LBP	M/HBP	VOLT. FREQ.	COOL. CAP. [kW]	DISPL. [cc]	DISPL. [cc]
	UEMT49HLP	UEMT6144Z	A	150	5,56	5,19	UEMT2125GK	UEMT6144GK	A	369	5,96	3,97	UNEK2121U	UNEK2125U	A	246	6,2	8,77
UEMT		UEMT6160Z	A	758	6,76			UEMT6165GK	A	858	5,19	4,50						
UNEK		UNEK6170Z	A	820	7,69			UNEK6181GK	A	1252	7,28	7,28	UNEK2121U	UNEK2125U	A	314	7,28	12,11
		UNEK6210Z	A	244	8,39	12,11	UNEK2134GK	UNEK6210GK	A	1302	8,77	8,77	UNEK2121U	UNEK2125U	A	314	7,28	12,11
		UNEK6212Z	A	197	7,37	14,28	UNEK2150GK	UNEK6213GK	A	1531	12,11	12,11	UNEK2121U	UNEK2125U	A	314	7,28	12,11
		UNEK6214Z	A	308	9,27	16,80	UNEK2168GK	UNEK6217GK	A	1946	14,28	14,28	UNEK2121U	UNEK2125U	A	314	7,28	12,11
UNT		UNT6215Z	N	1483	17,39	17,39	UNT2168GK	UNT6217GK	A	1912	12,55	12,55	UNT6217U	UNT6220U	A	1694	14,5	17,4
		UNT6217Z	A	1863	20,44	20,44	UNT2178GK	UNT6220GK	N	2124	14,50	14,50	UNT6220U	UNT6222U	A	1882	17,4	20,4
		UNT6220Z	N	1970	20,37	20,37	UNT2180GK	UNT6222GK	A	2390	17,39	17,39	UNT6222U	UNT6222U	A	2117	20,4	
		UNT6224Z	A	2670	27,80	27,80	UNT2192GK	UNT6226GK	A	3016	20,37	20,37						
UNJ							UNT2126GK	UNT6226GK	A	1443	27,80	27,80						
		UNJ6220Z	A	2363	26,11	26,11	UNJ2192GK	UNJ9226GK	V	3141	20,71	20,71						
		UNJ6226Z	A	3006	34,38	34,38	UNJ2192GS	UNJ9226GS	M	2720	20,71	20,71						
		UNJ6220ZX	M	2285	26,11	26,11	UNJ22126K	UNJ9232GK	A	3474	26,11	26,11						
		UNJ6226ZX	M	2796	34,38	34,38	UNJ22126S	UNJ9232GS	M	3365	26,11	26,11						
							UGNT2180GK	UGNT238GK	V	4104	32,67	32,67						
							UGNT2192GK	UGNT6226GK	A	3032	20,37	20,37						
							UGNT2212GK	UGNT6232GK	A	3514	20,44	20,44						
								UGNT6238GK	A	4576	20,26,21	20,26,21						
								UNJ9238GS	M	4419	32,67	32,67						
								UGNJ9226GK	V	6082	20,71	20,71						
							UGNJ2192GS	UGNJ9226GS	M	5440	20,71	20,71						
							UGNJ2212GK	UGNJ9232GK	A	6722	20,26,11	20,26,11						
							UGNJ2212GS	UGNJ9232GS	M	6730	20,26,11	20,26,11						
								UGNJ9238GK	V	8208	20,32,67	20,32,67						
								UGNJ9238GS	M	8332	20,32,67	20,32,67						

Cool. Cap. ASHRAE / Rated Point

Volt./Freq.  
**A** 220-240V/50Hz 1 - **B** 208-230V/60Hz **D** 208-230V/60Hz 1 - **G** 115V/60Hz 1 -  
**N** 200-240V/50Hz (230V/60Hz) 1 - **V** 230V/50Hz 1 - **M** 380-420V/50Hz / 440-480V/60Hz 3 -

## Label



- 1 Condensing unit model
- 2 Condensing unit bill of material
- 3 Voltage
- 4 Frequency
- 5 Phases
- 6 Full load amperage
- 7 Locked rotor amperage
- 8 Fan output
- 9 Cooling capacity at rated point
- 10 Refrigerant
- 11 Receiver volume
- 12 Application type
- 13 Maximum pressure at high side
- 14 Maximum pressure at low side
- 15 Agency approvals
- 16 Date of production code
- 17 serial No.

## Packaging



PCS/PALLET

UEMT	24
UNEK	from 12 to 24
UNT	from 8 to 21
UNJ	from 4 to 12
UGNJ	4

# R134a LBP 50Hz

MODEL	HP	DISPLACEMENT cm <sup>3</sup>	VOLTAGE & FREQUENCY	MOTOR TYPE	RATED POINT EN13215			OVERALL DIMENSIONS			EXTERNAL VIEW DRAWING
					RATED -23,3			A	B	C	
					W	W in <sub>p</sub>	CURRENT (A)	mm	mm	mm	
UEMT49HLP	1/5	5,56	A	RSIR	142	108	1,02	430	306	226	1955382
UNEK1116Z	1/4	7,37	A	RSIR	174	156	1,07	430	306	226	1955183
								480	300	226	1955191
UNEK1118Z	1/3	8,39	A	RSIR	209	158	1,19	430	306	226	1955183
								480	300	226	1955191
UNEK2116Z	1/4	7,37	A	CSIR	168	163	7,37	430	306	226	1955183
UNE2121Z	1/3	9,27	A	CSIR	291	254	2,00	430	306	226	1955183

NOTES: Expansive device C except UNEK2116Z and UNE2121Z. It is C-V. Application range in 43°C (-30 to -5)

# R134a HBP 50Hz

MODEL	HP	DISPLACEMENT cm <sup>3</sup>	VOLTAGE & FREQUENCY	MOTOR TYPE	RATED POINT EN13215			OVERALL DIMENSIONS			EXTERNAL VIEW DRAWING
					RATED 7,2			A	B	C	
					W	W in <sub>p</sub>	CURRENT (A)	mm	mm	mm	
UEMT6144Z	1/5	5,19	A	CSIR	567	235	1,48	430	308	226	1955427
								480	302	226	1955432
UEMT6160Z	1/4	6,76	A	CSIR	750	314	1,87	435	308	254	1955428
								480	302	254	1955450
UEMT6170Z	1/3	7,69	A	CSIR	812	366	2,13	435	308	254	1955428
								480	302	254	1955450
UNEK6187Z	1/3	9,99	A	CSIR	949	418	2,86	467	339	296	1955287
								465	340	296	1955184
UNEK6210Z	1/3+	12,11	A	CSIR	1216	497	2,90	467	339	296	1955287
								465	340	296	1955184
UNEK6212Z	1/2+	14,28	A	CSIR	1434	730	3,95	467	339	296	1955287
								465	340	296	1955184
	B	CSR	1465	746	3,45	467	339	296	1955414		
UNEK6214Z	1/2+	16,8	A	CSIR	1477	753	5,17	467	339	296	1955287
								465	340	296	1955184
UNT6215Z	1/2+	17,39	N	CSIR	1468	593	5,52	465	340	296	1955400
UNT6217Z**	3/4	20,44	A	CSR	1726	766	5,7	470	395	324	1955401
UNT6220Z**	3/4	20,37	N	CSR	1950	960	5,99	470	395	324	1955401
UNT6224Z	UD	27,80	A	CSR	UD	UD	UD	UD	UD	UD	UD
UNJ6220Z	4/5	26,11	A	CSR	2340	1058	6,45	481	409	324	1955186
UNJ6226Z	1+	34,38	A	CSR	2976	1355	6,75	481	409	324	1955186
UNJ6220Zx	4/5	26,11	M	3 Ph	2262	1004	2,28	481	409	324	1955186
UNJ6226Zx	1	34,38	M	3 Ph	2768	1293	2,40	481	409	324	1955186
UGNJ6220Zx	1 1/2	2x26,11	M	3 Ph	2008	3,2	1093	551	311	1955365	
UGNJ6226Zx	2	2x34,38	M	3 Ph	2586	4,6	1093	551	311	1955365	

NOTES: Expansive device (C-V). Application range in 43°C (-15 to +10) UD - Under Development

# R404A / R507 LBP 50Hz

MODEL	HP	DISPLACEMENT cm <sup>3</sup>	VOLTAGE & FREQUENCY	MOTOR TYPE	RATED POINT EN13215			OVERALL DIMENSIONS			EXTERNAL VIEW DRAWING	
					RATED -23,3			A	B	C		
					W	W in <sub>p</sub>	CURRENT (A)	mm	mm	mm		
UEMT2125GK	1/2-	5,96	A	CSIR	315	271	1,72	435	308	254	1955428	
											1955450	
UNEK2125GK	1/2	6,2	A	CSIR	350	292	2,48	435	306	254	1955183	
								467	339	296	1955287	
UNEK2134GK	1/2+	8,77	A	CSIR	419	292	2,77	465	340	296	1955184	
								467	339	296	1955287	
UNEK2150GK	3/4	12,11	A	CSIR	546	453	3,52	465	340	296	1955184	
								491	340	296	1955452	
UNEK2168GK	1+	14,28	A	CSIR	718	624	4,17	465	340	296	1955184	
UNT2168GK	1+	14,5	N	CSR	711	560	2,92	476	340	296	1955404	
UNT2178GK	1 1/4-	17,39	A	CSIR	778	560	4,39	476	340	296	1955404	
UNT2180GK	1 1/4	20,44	A	CSIR	832	611	4,2	476	340	296	1955404	
UNT2192GK **	1 1/2	22,37	A	CSR	979	720	5,5	470	395	324	1955401	
								5,25	470	395	324	1955401
								5,84	440	600	296	1955415
UNJ2192GK	1 1/2	26,11	A	CSR	1024	805	4,75	481	409	324	1955186	
UNJ2192GS	1 1/4+	26,11	M	3 Ph	924	769	2,28	481	409	324	1955186	
								6,05	481	409	324	1955186
UNJ2212GK	2	34,38	A	CSR	1367	1004	6,14	440	612	296	1955312	
UNJ2212GS	2+	34,38	M	3 Ph	1367	1264	2,38	481	409	324	1955186	
UGNT2180GJ	2	2x20,44	A	CSR	1841	1472	850	530	293	1955332		
UGNJ2192GK	2 1/4	2x26,11	A	CSR	2066	1624	1093	551	311	1955339		
UGNJ2192GS	2 1/4	2x26,11	M	3 Ph	1864	1552	1093	551	311	1955339		
UGNJ2212GK	2 3/4	2x34,38	A	CSR	2757	2026	1093	551	311	1955339		
UGNJ2212GS	2 3/4	2x34,38	M	3Ph	2757	2250	1093	551	311	1955339		

NOTES: Expansive device (C-V). Application range in 43°C (-40 to -10)

\*\* Available also in CSIR execution and assembly group 1955413

# R404A / R507 M/HBP 50Hz

MODEL	HP	DISPLACEMENT cm <sup>3</sup>	VOLTAGE & FREQUENCY	MOTOR TYPE	RATED POINT EN13215			OVERALL DIMENSIONS			EXTERNAL VIEW DRAWING			
					RATED 7,2			A	B	C				
					W	W in <sub>p</sub>	CURRENT (A)	mm	mm	mm				
UEMT6144GK	1/5	3,97	A	CSIR	649	296	1,68	430	308	226	1955427			
								480	302	226	1955432			
UEMT6152GK	1/4	4,5	A	CSIR	676	581	1,94	430	308	226	1955427			
								480	302	226	1955432			
UEMT6165GK	1/4	5,19	A	CSIR	858	407	2,32	435	308	254	1955428			
											1955450			
UNEK6181GK	1/2-	7,28	A	CSIR	1252	620	2,70	467	339	296	1955287			
								465	340	296	1955184			
UNEK6210GK	1/2	8,77	A	CSIR	1302	628	3,91	467	339	296	1955287			
								465	340	296	1955184			
UNEK6213GK	1/2+	12,11	A	CSIR	1531	1074	5,97	467	339	296	1955287			
								465	340	296	1955184			
UNEK6217GK	3/4	14,28	A	CSR	1836	754	4,1	470	395	324	1955411			
UNT6217GK	3/4	12,55	A	CSIR	1804	882	5,30	470	395	324	1955410			
UNT6220GK **	3/4+	14,5	N	CSR	2124	1095	5,15	470	395	324	1955401			
UNT6222GK **	1-	17,39	A	CSR	2390	1225	6,25	470	395	324	1955401			
								3016	1500	7,27	500	405	390	1955402
UNT6226GK **	1+	20,37	A	CSR	3016	1500	8,17	440	600	296	1955415			
								3141	1403	6,70	512	410	390	1955195
UNJ9226GK	1+	20,71	V	CSR	3141	1403	6,79	440	612	296	1955312			
								2720	1300	2,78	512	410	390	1955195
UNJ9226GS	1	20,71	M	3 Ph	2720	1300	3,90	490	785	296	1955310			
								3474	1728	8,12	600	440	372	1955406
UNJ9232GK	1 1/4	26,11	A	CSR	3474	1719	8,38	460	785	296	1955310			
								3365	1685	3,35	600	440	372	1955406
UNJ9232GS	1 1/4	26,11	M	3 Ph	3365	1709	4,40	490	785	296	1955310			
								4104	2221	10,01	600	440	372	1955406
UNJ9238GK	1 1/2+	32,67	V	CSR	4104	2221	11,19	460	785	296	1955310			
								4419	2332	4,49	600	440	372	1955406
UNJ9238GS	1 1/2+	32,67	M	3 Ph	4231	2215	5,48	490	785	296	1955310			
								2806	12,8	1093	551	311	1955365	
UGNJ9226GK	2	2x20,71	V	CSR	2806	12,8	1093	551	311	1955365				
UGNJ9226GS	2	2x20,71	M	3Ph	2600	7,8	1093	551	311	1955365				
UGNJ9232GK	2 1/2	2x26,11	A	CSR	3438	16,8	1093	551	311	1955367				
UGNJ9232GS	2 1/2	2x26,11	M	3Ph	3418	5,6	1093	551	311	1955367				
UGNJ9238GK	3	2x32,67	V	CSR	4442	20,2	1093	551	311	1955367				
UGNJ9238GS	3	2x32,67	M	3Ph	4370	7,2	1093	551	311	1955367				

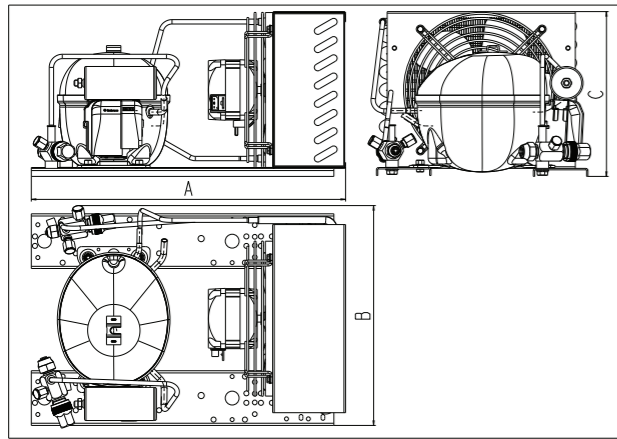
NOTES: Expansive device (C-V). Application range in 43°C (-20 to -0)

# R290 LBP 50Hz

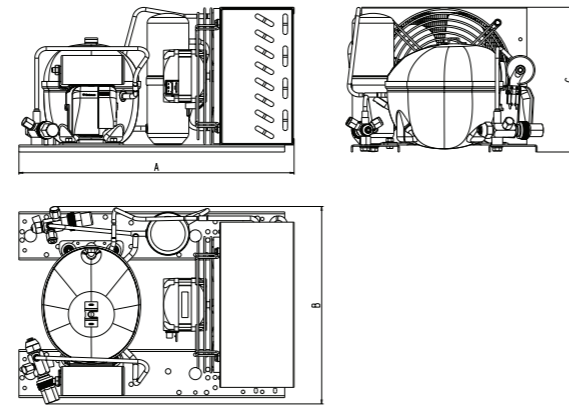
MODEL	HP	DISPLACEMENT cm <sup>3</sup>	VOLTAGE & FREQUENCY
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External Views  
**UEMT**

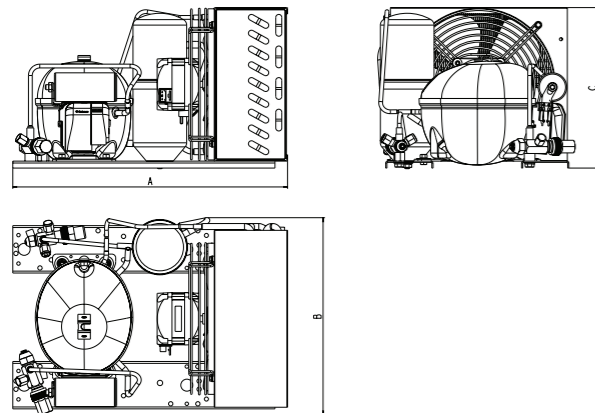
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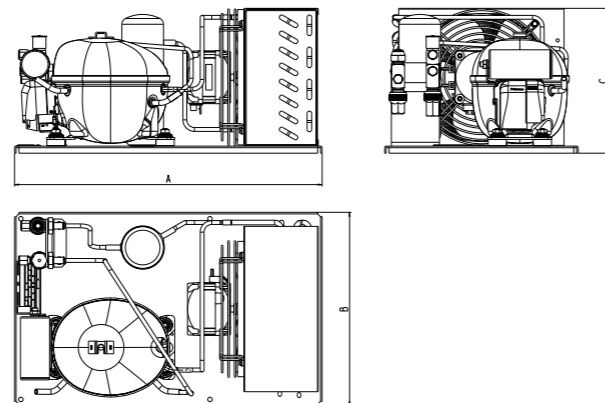
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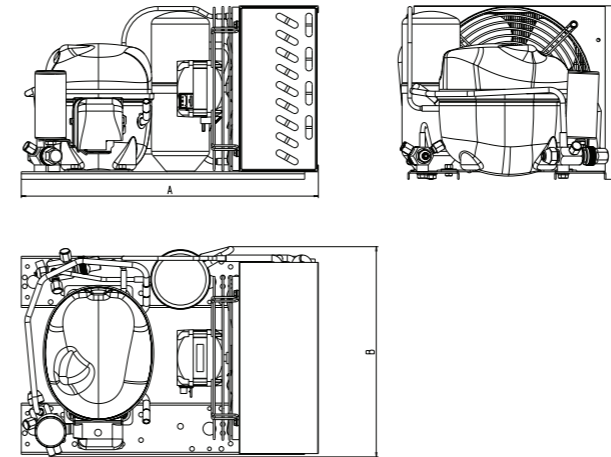


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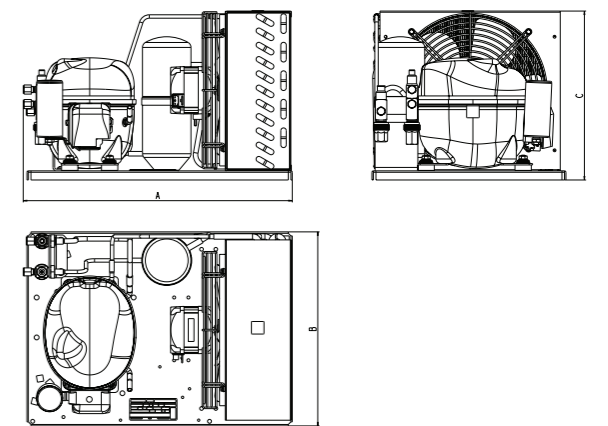


External Views  
**UNE/UNEK**

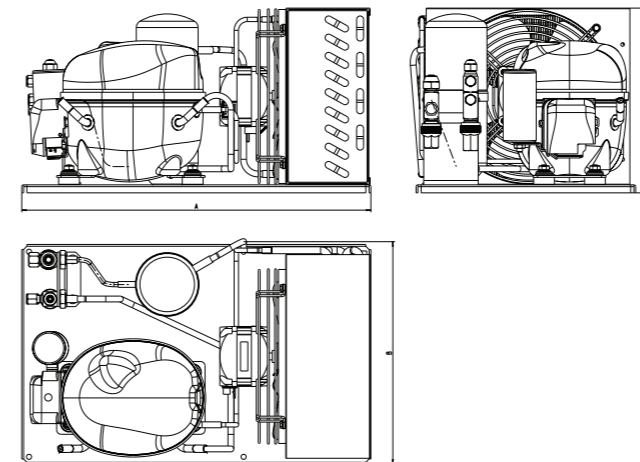
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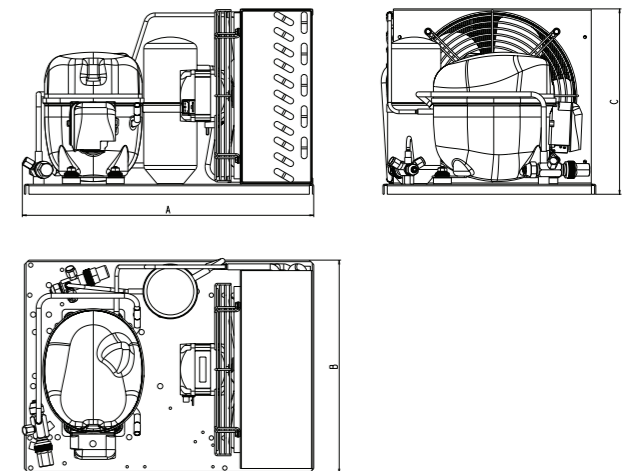
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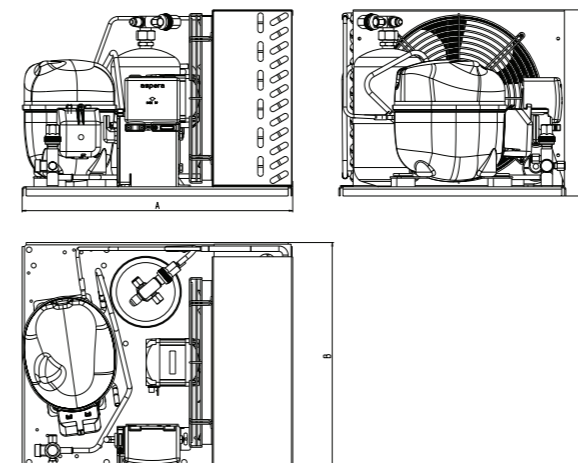
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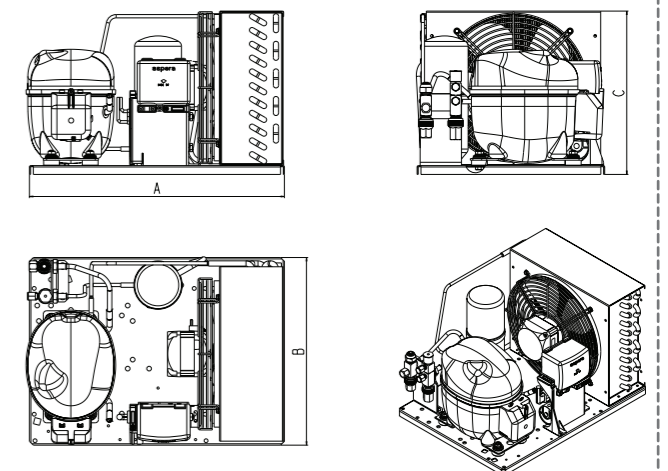
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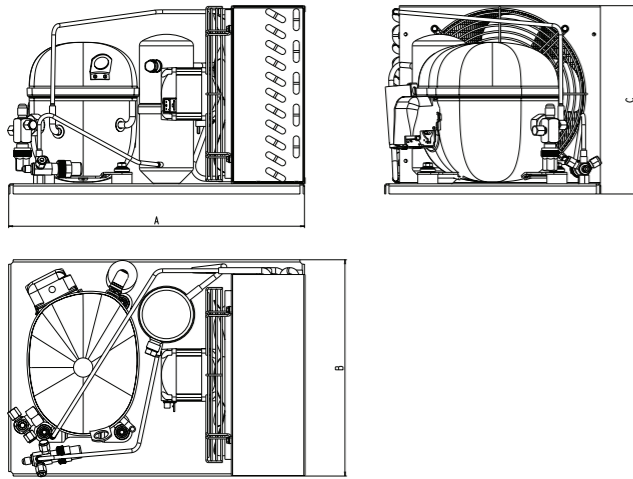


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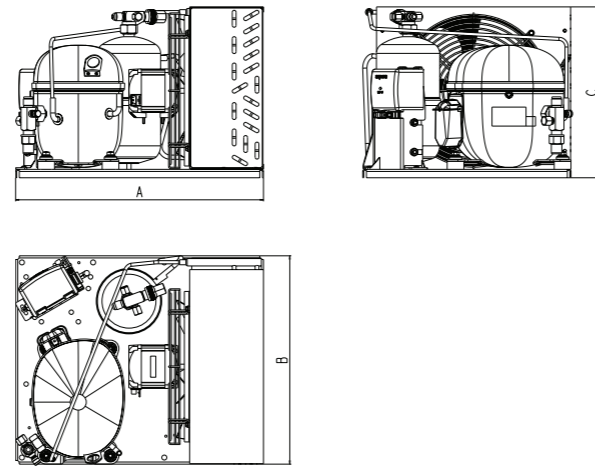


External Views  
**UNT**

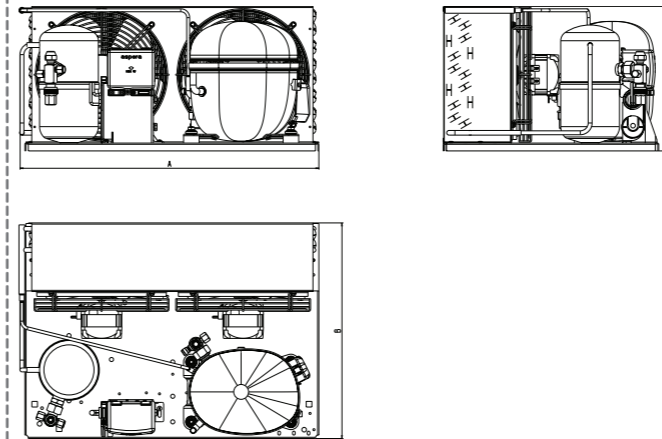
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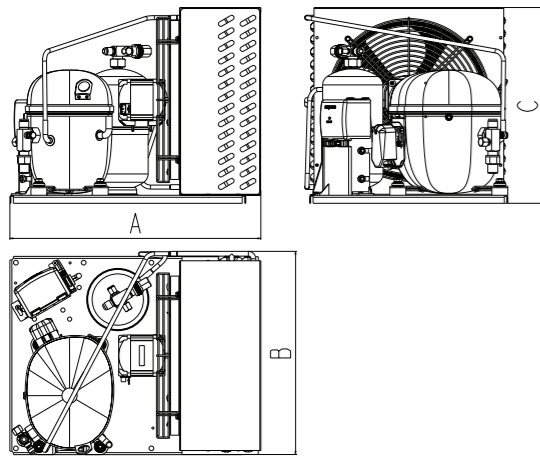
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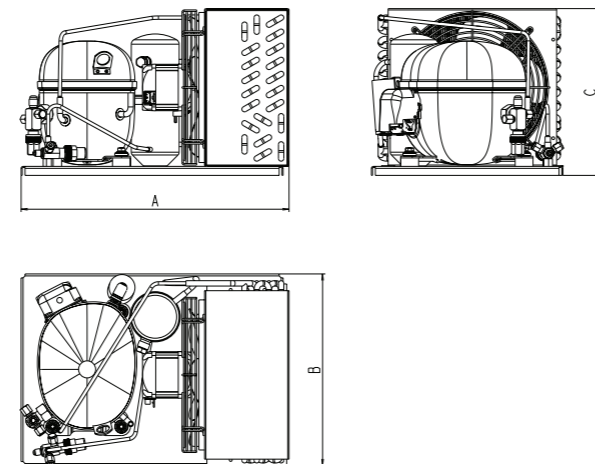
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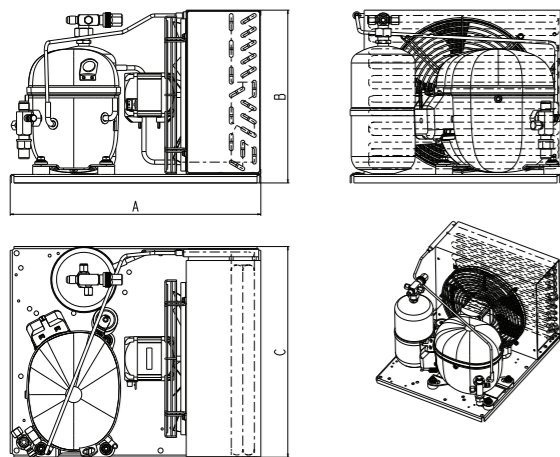


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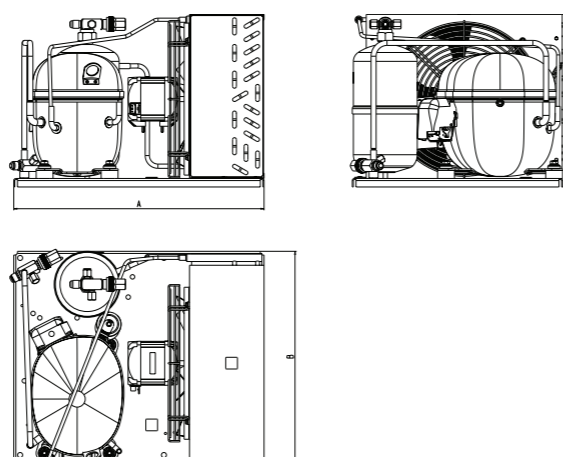


External Views  
**UNJ**

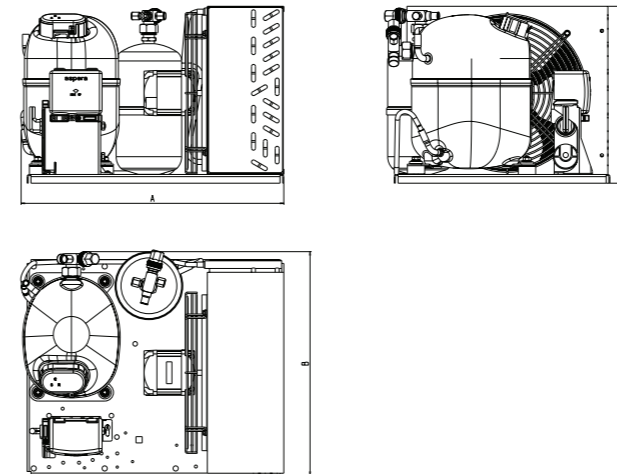
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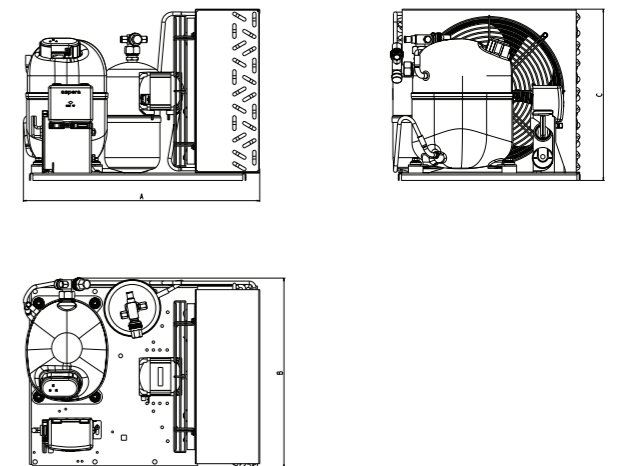
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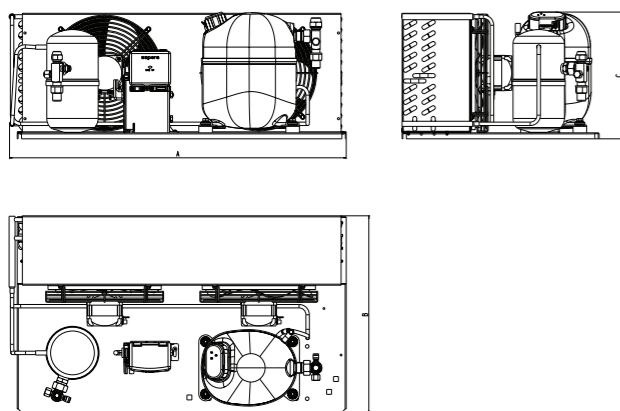


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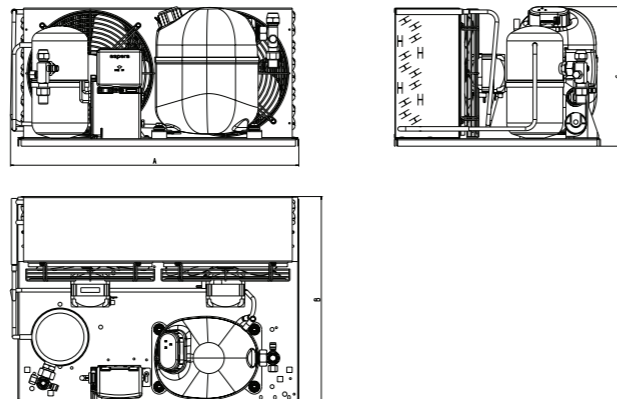


External Views  
UGNJ - UGNT

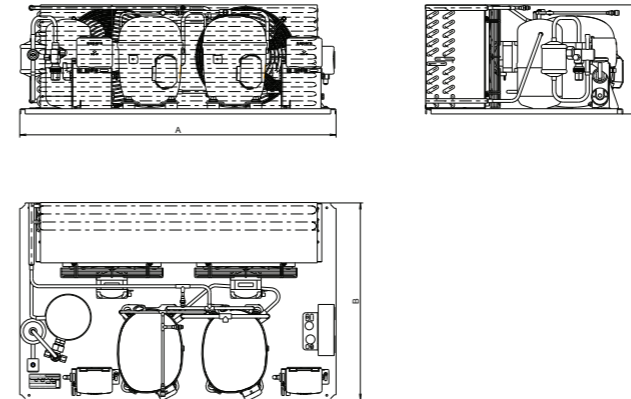
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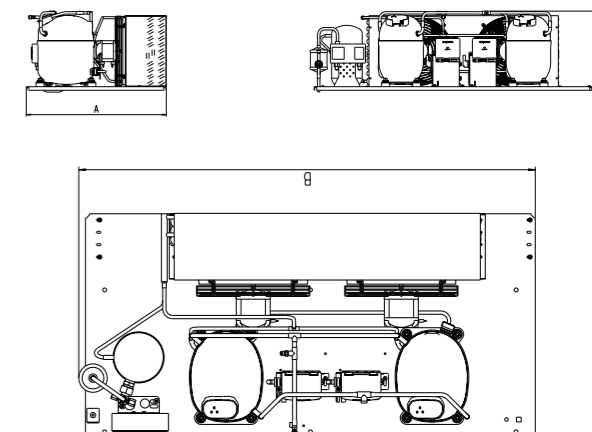
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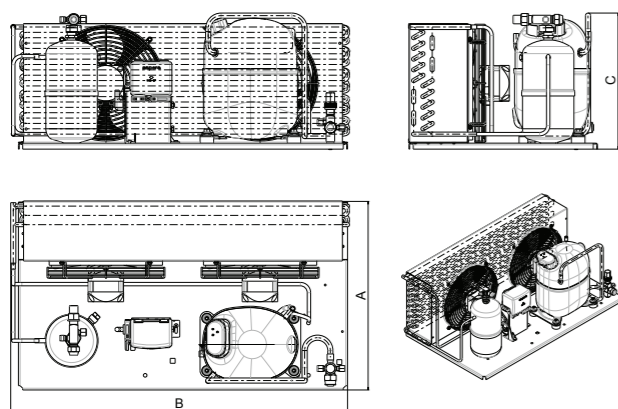
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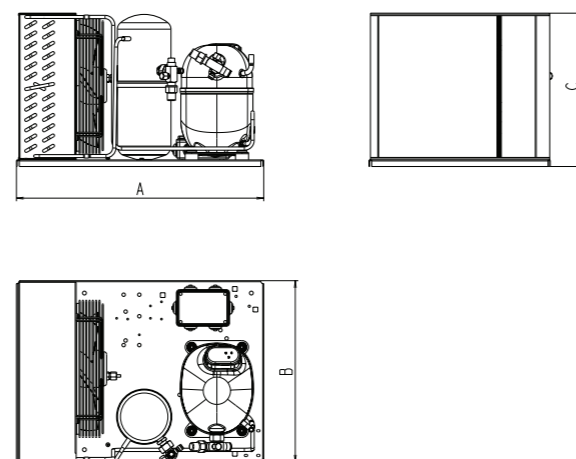
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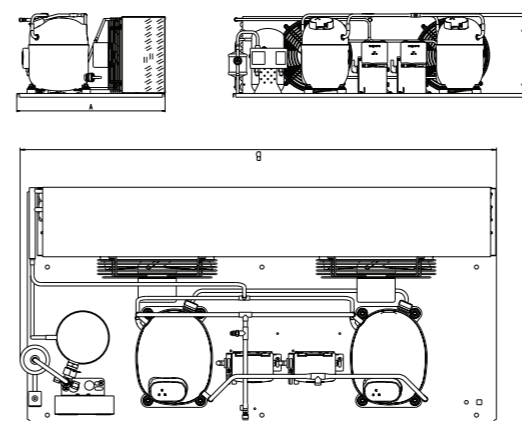
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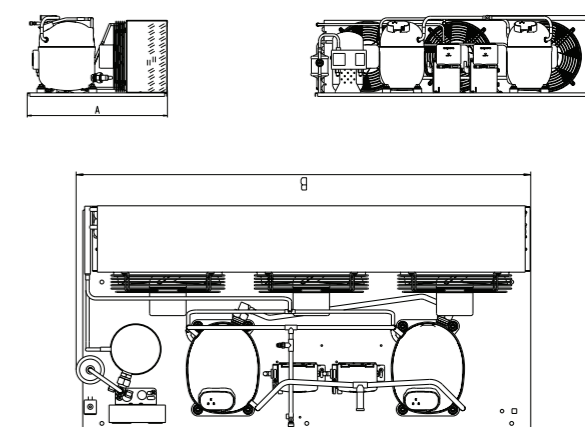
N° 1955406



N° 1955365



N° 1955367



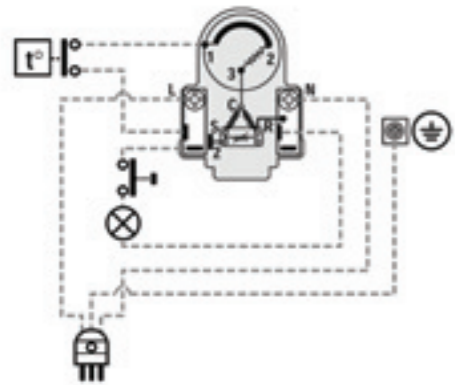
Wiring Diagrams

KEY

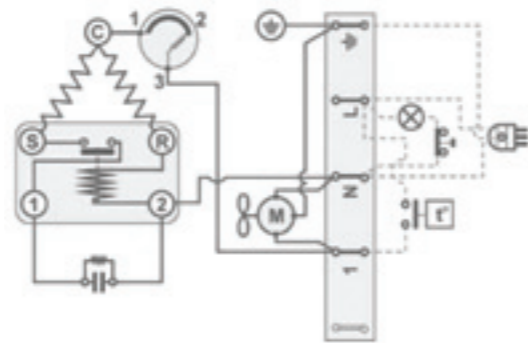
<b>C</b> Common	<b>R</b> Run	<b>WH</b> White	<b>RD</b> Red
<b>S</b> Start	<b>C'</b> Common (internal overload protection)	<b>GNYE</b> Green - Yellow	<b>BL</b> Blue
		<b>BK</b> Black	<b>BR</b> Brown



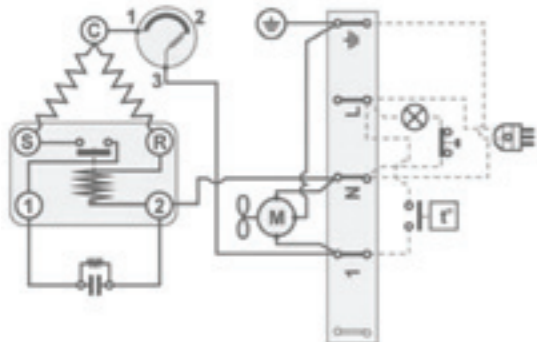
RSIR - PTC UEMT SERIES



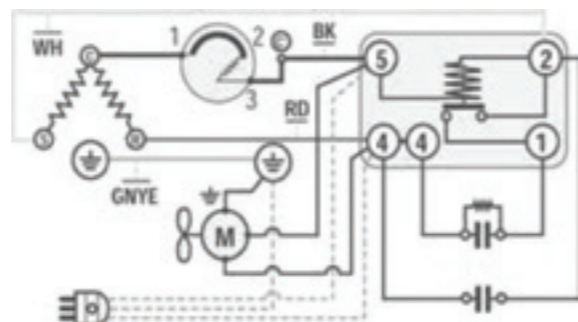
CSIR - ELECTRICAL HOOKUP UEMT UNE UNT UNEK



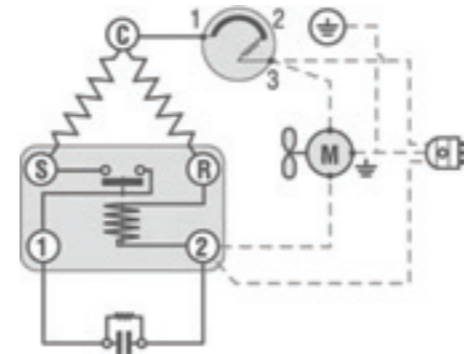
RSIR - ELECTRICAL HOOKUP UNE UNEK



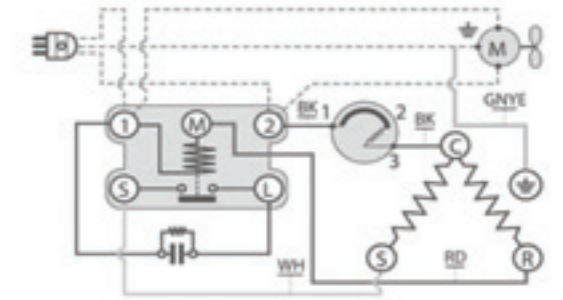
CSR - ELECTRICAL HOOKUP UNEK UNT UNJ SERIES



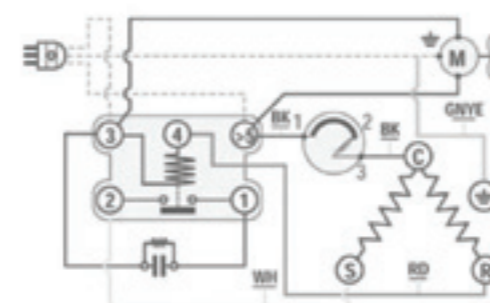
CSIR - UNEK UNT SERIES CORD ANCHORAGE & START DEVICE - AMERICAN VERSION



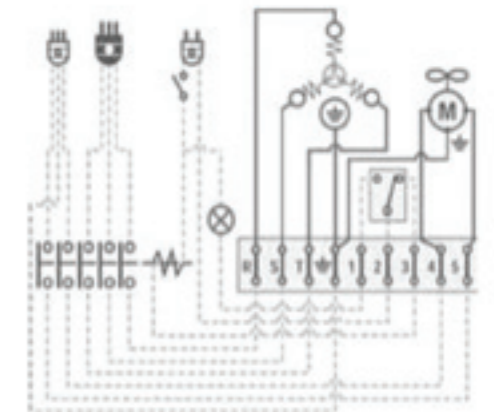
CSIR - UNT SERIES BOX



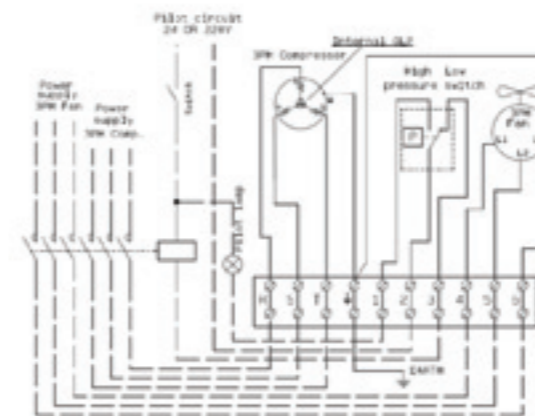
CSIR - ELECTRICAL HOOKUP UNJ



3 PHASE UNJ SERIES



3 PHASE UNJ 9232/9238 SERIES







# GLOBAL PRESENCE

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