



**EMERSON™**

**UNIT & SYSTEM**  
**Product Specification**

**CONDENSING UNIT**  
**Model – KHZ509LRL-E5XXXX**

Status – Provisional

**Design Engineering & Solution Testing Center, Karad - India**  
**Emerson Climate Technologies (India) Private Limited**

			ECN No	F46-1120-0129
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Prepared By	Checked By	Approved By	Doc No–	KHZ509LRL-E5XXXX

**MODEL DESCRIPTION**

<b>Model Name</b>	<b>KHZ509LRL-E5XXXX</b>		
Compressor Model	ZSI09KQE-TFM-527		
Application Group	LOW TEMPERATURE		
Refrigerant	R404A		
Rated Voltage	380~420V 50Hz 3Ph		
Cooling	FAN: 2698 Cu. ft./min.		
Size in mm	Width (Along Condenser)	Length (Perpendicular to Condenser)	Height (Without Bottom Frame)
	440	1043	805
Return Gas Temp.	40 °F		
Subcooling	5 °F		

**COOLING CAPACITY (BTU/HR)**

Ambient Temperature		Evaporating Temperature							
(°C)		-35	-30	-25	-20	-15	-10	-5	0
	(°F)	-31	-22	-13	-4	5	14	23	32
<b>27</b>	<b>81</b>	5,293	7,053	8,813	10,569	13,260	15,951	18,642	21,333
<b>32</b>	<b>90</b>	4,998	6,516	8,034	9,728	12,144	14,560	16,976	19,392
<b>38</b>	<b>100</b>	4,670	5,919	7,168	8,794	10,903	13,012	15,121	---
<b>43</b>	<b>109</b>	4,065	5,227	6,389	7,953	9,786	11,619	13,451	---
<b>46</b>	<b>115</b>	3,764	4,903	6,042	7,218	9,170	10,690	---	---

**POWER INPUT INCLUDING FAN MOTOR (KW)**

Ambient Temperature		Evaporating Temperature							
(°C)		-35	-30	-25	-20	-15	-10	-5	0
	(°F)	-31	-22	-13	-4	5	14	23	32
<b>27</b>	<b>81</b>	1.60	1.63	1.66	1.69	1.72	1.75	1.78	1.81
<b>32</b>	<b>90</b>	1.74	1.77	1.80	1.83	1.86	1.89	1.92	1.95
<b>38</b>	<b>100</b>	1.85	1.90	1.96	2.01	2.06	2.11	2.16	---
<b>43</b>	<b>109</b>	2.00	2.05	2.10	2.17	2.18	2.19	2.38	---
<b>46</b>	<b>115</b>	2.10	2.15	2.19	2.28	2.36	2.45	---	---

- Notes:
1. The Performance values given above are subject to  $\pm 5\%$  variation.
  2. In constant effort to improve our products, We reserve the right to change any information contained in this leaflet without prior notice.