




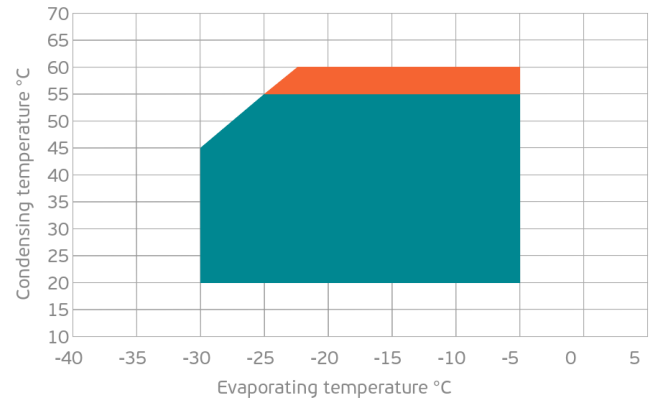


## GENERAL DATA

<b>Application:</b>	LBP
<b>Refrigerant:</b>	R134a
<b>Evaporating Temperature Range:</b>	-30°C to -5°C
<b>Compressor Cooling:</b>	Fan
<b>Fan air flow:</b>	520 m <sup>3</sup> /h
<b>Maximum Condensing Pressure - Operating:</b>	13.92 kgf/cm <sup>2</sup> (psig)
<b>Maximum Condensing Pressure - Peak:</b>	15.62 kgf/cm <sup>2</sup> (psig)
<b>Type:</b>	Hermetic reciprocating
<b>Technology Type:</b>	On-Off
<b>Expansion Device:</b>	Capillary Tube or Expansion Valve
<b>Packing Quantity:</b>	Single - 1 pc
<b>Institute Approvals:</b>	    

## OPERATING ENVELOPE



## MECHANICAL DATA

<b>Bore:</b>	31.19 mm
<b>Stroke:</b>	22 mm
<b>Free Internal Volume:</b>	2.1 cm <sup>3</sup>
<b>Maximum Recommended Refrigerant Charge:</b>	350 ml
<b>Weight:</b>	11.8 kg

At maximum evaporating temperature and maximum ambient temperature.

## ELECTRICAL DATA

<b>Motor Type:</b>	CSIR -
<b>Starting Torque:</b>	HST -
<b>Maximum Motor Temperature:</b>	130 °C
<b>Start Winding Resistance:</b>	18.6 Ω (± 10%) at 25°C
<b>Run Winding Resistance:</b>	4.46 Ω (± 10%) at 25°C
<b>Locked Rotor Amperage (RLA):</b>	- A

At maximum evaporating temperature and maximum ambient temperature.

## ELECTRICAL COMPONENTS

	Component type	Description	Code
<b>Inverter:</b>	-	-	-
<b>Run Capacitor:</b>	-	-	-
<b>CSR / CSIR Box:</b>	-	-	-
<b>Start Capacitor:</b>	-	72-88 MFD 330V	2252345
<b>Starting Device:</b>	Current relay	MTRPH-47-65	2334146
<b>Motor Protection:</b>	External 3/4"	T0059/G6	2319077

## ACCESSORIES

### Description

### Code

For additional accessories please contact our technical support

### EXTERNAL CHARACTERISTICS

	Shape	Material	Internal Diameter (mm)
<b>Suction Connector</b>	Slanted 42°	Copper	8.1
<b>Discharge Connector</b>	Straight	Copper	6.1
<b>Process Connector</b>	Slanted 42°	Copper	6.1

### MOUNTING ACCESSORIES

Description	Code
At maximum evaporating temperature and maximum ambient temperature.	

### PERFORMANCE CURVE DATA

Standard: EN 12900 / w

50 Hz

	Evaporating Temperature (°C)	Cooling Capacity (w)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate	Efficiency (w/W)
<b>35°C</b> Condensing Temperature	-5°C	1 119	486	2.84	23.91	2.30
	-10°C	911	430	2.63	19.36	2.12
	-15°C	726	379	2.44	15.38	1.92
	-20°C	566	331	2.27	11.95	1.71
	-25°C	431	287	2.12	9.06	1.51
	-30°C	321	246	2.01	6.72	1.30
<b>45°C</b> Condensing Temperature	-5°C	986	531	3.04	23.09	1.86
	-10°C	799	466	2.77	18.64	1.71
	-15°C	635	406	2.54	14.74	1.56
	-20°C	493	350	2.34	11.40	1.41
	-25°C	372	300	2.17	8.58	1.24
	-30°C	274	253	2.04	6.30	1.08
<b>55°C</b> Condensing Temperature	-5°C	852	578	3.21	22.19	1.47
	-10°C	688	502	2.90	17.84	1.37
	-15°C	544	432	2.62	14.03	1.26
	-20°C	419	368	2.39	10.77	1.14
	-25°C	314	309	2.19	8.02	1.02

Model **NEK2140Z**

Code **269KA51M1AJ**

**embraco** POWER IN.  
CHANGE ON.

