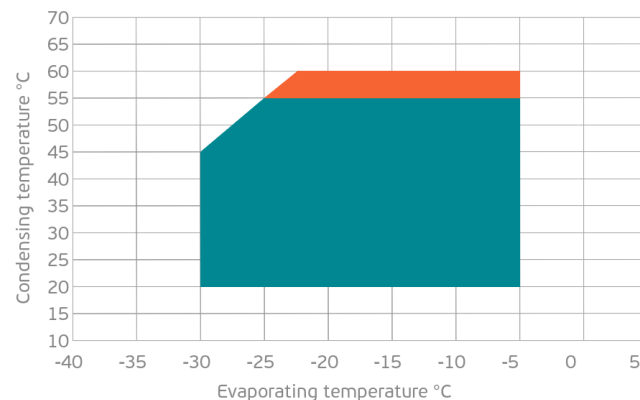


GENERAL DATA

Application:	LBP
Refrigerant:	R134a
Evaporating Temperature Range:	-30°C to -5°C
Compressor Cooling:	Fan
Fan air flow:	520 m3/h
Maximum Condensing Pressure - Operating:	13.92 kgf/cm2 (psig)
Maximum Condensing Pressure - Peak:	15.62 kgf/cm2 (psig)
Type:	Hermetic reciprocating
Technology Type:	On-Off
Expansion Device:	Capillary Tube or Expansion Valve
Packing Quantity:	Single - 1 pc
Institute Approvals:	   

OPERATING ENVELOPE



MECHANICAL DATA

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

At maximum evaporating temperature and maximum ambient temperature.

ELECTRICAL DATA

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

At maximum evaporating temperature and maximum ambient temperature.

ELECTRICAL COMPONENTS

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

ACCESSORIES

Description

Code

For additional accessories please contact our technical support

EXTERNAL CHARACTERISTICS

	Shape	Material	Internal Diameter (mm)
Suction Connector	Slanted 42°	Copper	8.1
Discharge Connector	Straight	Copper	6.1
Process Connector	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)
35°C 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
45°C 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
55°C 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.**

