




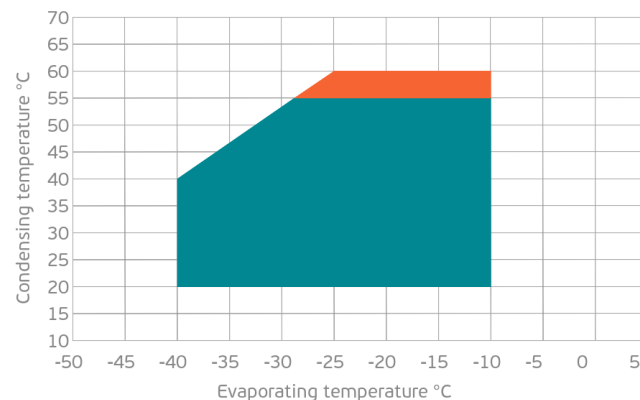


GENERAL DATA

Application:	LBP
Refrigerant:	R404A
Evaporating Temperature Range:	-40°C to -10°C
Compressor Cooling:	Fan
Fan air flow:	520 m3/h
Maximum Condensing Pressure - Operating:	24.71 kgf/cm2 (psig)
Maximum Condensing Pressure - Peak:	27.71 kgf/cm2 (psig)
Type:	Hermetic reciprocating
Technology Type:	On-Off
Expansion Device:	Capillary Tube or Expansion Valve
Packing Quantity:	Multi - 37 pcs
Institute Approvals:	    

OPERATING ENVELOPE



MECHANICAL DATA

Bore:	27.78 mm
Stroke:	20 mm
Free Internal Volume:	2.1 cm ³
Maximum Recommended Refrigerant Charge:	350 ml
Weight:	11.3 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:	30.4 Ω (± 10%) at 25°C
Run Winding Resistance:	4.2 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:	-	-	-
Motor Protection:	External 3/4"	T0634/G6	2319064
Start Capacitor:	-	72-88 MFD 330V	2252345
Starting Device:	Current relay	MTRP-0012-65	2334112

ACCESSORIES

Description	Code
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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	-10°C	1 181	582	3.57	28.80	2.03
	-15°C	968	532	3.40	23.43	1.82
	-20°C	784	484	3.24	18.85	1.62
	-25°C	627	438	3.10	14.99	1.43
	-30°C	493	392	2.97	11.76	1.26
	-35°C	382	348	2.86	9.07	1.10
	-40°C	290	302	2.75	6.85	0.96
45°C Condensing Temperature	-10°C	994	643	3.78	27.33	1.55
	-15°C	814	580	3.55	22.18	1.40
	-20°C	657	520	3.34	17.79	1.26
	-25°C	523	464	3.17	14.08	1.13
	-30°C	410	410	3.01	10.97	1.00
	-35°C	314	358	2.88	8.38	0.88
55°C Condensing Temperature	-10°C	806	700	3.98	25.74	1.15
	-15°C	658	624	3.69	20.81	1.05
	-20°C	529	553	3.45	16.62	0.96
	-25°C	419	487	3.23	13.07	0.86
	-30°C	326	425	3.05	10.08	0.77

Model **NEK2150GK**

Code **959AA51M1AQ**

embraco POWER IN.
CHANGE ON.

