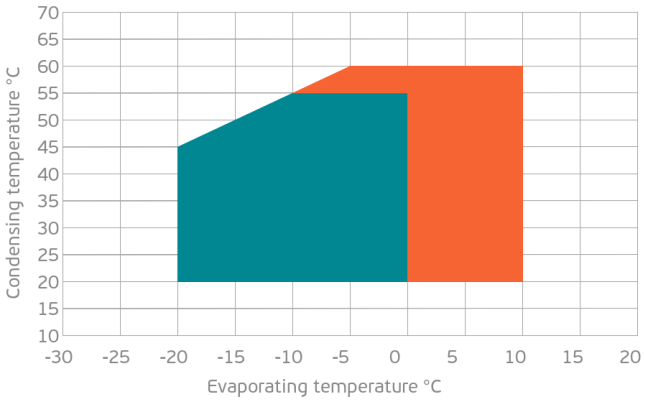
Model **NEK6210U** | Code 862CA51M1AJ

embraco POWER IN. CHANGE ON.

GENERAL DATA

Application:	MBP
Refrigerant:	R290
Evaporating Temperature Range:	-20°C to 10°C
Compressor Cooling:	Fan
Fan air flow:	520 m3/h
Maximum Condensing Pressure - Operating:	18.07 kgf/cm2 (psig)
Maximum Condensing Pressure - Peak:	20.16 kgf/cm2 (psig)
Type:	Hermetic reciprocating
Technology Type:	On-Off
Expansion Device:	Capillary Tube or Expansion Valve
Packing Quantity:	Single - 1 pc
Institute Approvals:	CE DE

OPERATING ENVELOPE



MECHANICAL DATA

Bore:	26.5 mm
Stroke:	15.92 mm
Free Internal Volume:	2.1 cm^3
Maximum Recommended Refrigerant Charge:	350 ml
Weight:	10.8 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:	34.8 Ω (± 10%) at 25°C
Run Winding Resistance:	5.26 Ω (± 10%) at 25°C
Locked Rotor Amperage (RLA):	17 A

At maximum evaporating temperature and maximum ambient temperature.

ELECTRICAL COMPONENTS

	Component type	Description	Code
Inverter:	-	-	-
Run Capacitor:	-	-	-
CSR / CSIR Box:	-	-	-
Start Capacitor:	-	53-64 MFD 330V	2252346
Starting Device:	Current relay	MTRP-0029-65	2334105
Motor Protection:	External 3/4"	T0964/G6	2319135

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: ASHRAE / 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	1 633	345	2.35	16.24	4.73
	5°C	1 379	340	2.31	13.61	4.06
	0°C	1 155	331	2.27	11.32	3.49
	-5°C	959	320	2.23	9.36	3.00
	-10°C	794	306	2.18	7.70	2.59
	-15°C	657	290	2.12	6.36	2.27
	-20°C	550	270	2.06	5.30	2.04
45°C Condensing Temperature	10°C	1 450	410	2.56	15.63	3.54
	5°C	1 225	397	2.50	13.10	3.09
	0°C	1 025	381	2.43	10.88	2.69
	-5°C	850	362	2.36	8.97	2.35
	-10°C	699	340	2.28	7.34	2.06
	-15°C	574	315	2.19	6.00	1.82
	-20°C	474	287	2.09	4.94	1.65
55°C Condensing Temperature	10°C	1 281	470	2.79	15.13	2.73
	5°C	1 083	449	2.70	12.67	2.41
	0°C	905	425	2.60	10.51	2.13
	-5°C	748	398	2.49	8.62	1.88
	-10°C	611	367	2.38	7.01	1.66

		Evaporating Temperature (°C)	Cooling Capacity (w)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate	Efficiency (w/W)
54.4°C Condensing Temperature	Rated point	7.2°C	1 176	455	2.73	13.74	2.58