



Model: NT6226GK  
Code: 923BA02

**embraco** POWER IN.  
CHANGE ON

Type:	On-off
Voltage [V] / Frequency [Hz] / Phases	220-240 V 50 Hz 1 ~
Refrigerant:	R-404A
Application:	MBP

Motor type:	
Starting torque:	HST
HP:	1+
Displacement:	22.37 cm <sup>3</sup>

### OPERATING CONDITION : ARI HBP

Evaporation Temp.	7.2 °C	Return Temp.	18.3 °C	Superheating	11.1 K
Condensing Temp.	54.4 °C	Liquid Temp.	54.4 °C	Subcooling	0.0 K

<b>Cooling capacity</b>	<b>Power consumption</b>	<b>Mass flow rate</b>	<b>Efficiency</b>
2,770.17 W	1,388.27 W	105.06 kg/h	2.00 W/W

### APPLICATION

Evaporating temperature range:	-20 to 10 °C	Cooling type:	Fan Cooling
Permanent operating temperature (peak) :	55 (60) °C	Air Flow	--
Expansion device:	Capillary tube or Expansion valve	Maximum motor temperature:	130 °C

### ELECTRICAL DATA

Start winding resistance at 25°C (77°F):	8.4 Ω +/- 8%	Run winding resistance at 25°C (77°F):	1.7 Ω +/- 8%
FLA - full load amperage L/MBP [A] 50 Hz / 60 Hz:	- / -	LRA (A) 50 Hz / 60 Hz:	- / -
		FLA - full load amperage HBP [A] 50 Hz / 60 Hz:	- / -

### MECHANICAL DATA

Bore:	36.99 mm	Stroke:	10.42 mm
		Displacement:	22.37 cm <sup>3</sup>

### OTHER INFORMATION

Weight:	17.5 kg	Oil charge:	450 ml
Lubricant type:	Polyolester ISO22	Nitrogen charge:	Yes

### EXTERNAL SETTINGS

	Shape	Material	Diameter [mm]
-			
Suction connector	Vertical	Copper	9.60
Discharge connector	Vertical	Copper	6.42
Process connector	Vertical	Copper	6.42
Base plate:	Universal	Tray holder:	No

### PERFORMANCES AT STANDARD CHECK-POINTS

Checkpoint	Cooling capacity	Power consumption	Gas flow rate	Cooling Efficiency	Heating capacity +/-	Heating Efficiency
	+/-5% W	+/-5% W	+/-5% kg/h	+/- 7% W/W	5%* W	+/- 7% W/W
EN12900 HBP	2,850.24	1,283.10	96.91	2.22	3,535.68	2.76
EN12900 MBP	1,761.01	981.05	52.89	1.80	2,300.33	2.34

\* Calculations performed considering isentropic compression and a housing loss of 10%. This is an estimated heat amount discarded in the discharge pipe and the condenser combined.

**CONDENSING TEMP. 35 °C****(SUBCOOLING : 0 K, RETURN TEMP.: 32 °C)**

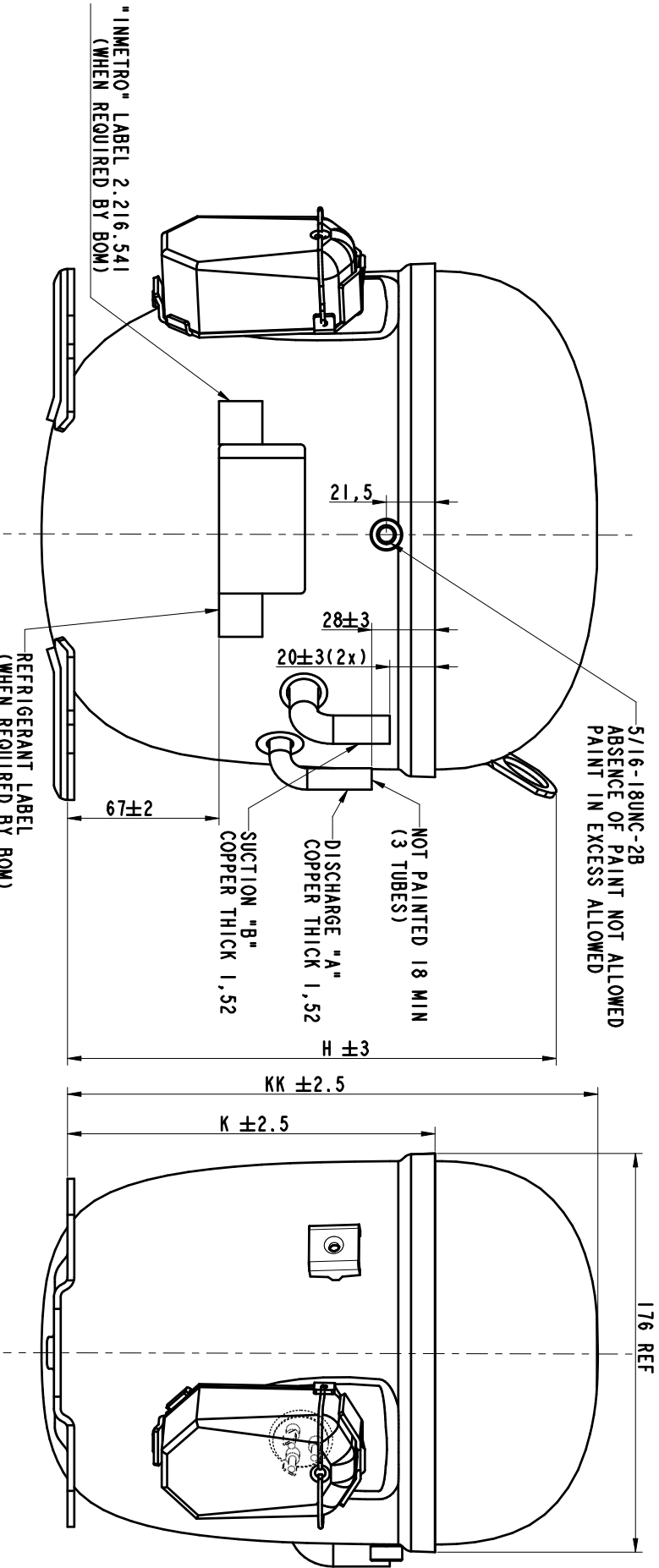
Evaporating temperature °C	Cooling capacity	Power consumption	Gas flow rate	Cooling Efficiency	Heating capacity +/-	Heating Efficiency
	+/-5% W	+/-5% W	+/-5% kg/h	+/- 7% W/W	5% * W	+/- 7% W/W
-20.00	1,404.75	770.04	33.77	1.82	1,813.16	2.35
-15.00	1,752.75	831.05	42.39	2.11	2,200.03	2.65
-10.00	2,159.65	890.18	52.61	2.43	2,638.82	2.96
-5.00	2,631.90	943.89	64.67	2.79	3,133.54	3.32
0.00	3,177.14	988.12	78.85	3.22	3,689.39	3.73
5.00	3,804.54	1,018.13	95.53	3.74	4,312.91	4.24
10.00	4,525.31	1,028.41	115.23	4.40	5,012.51	4.87

**CONDENSING TEMP. 45 °C****(SUBCOOLING : 0 K, RETURN TEMP.: 32 °C)**

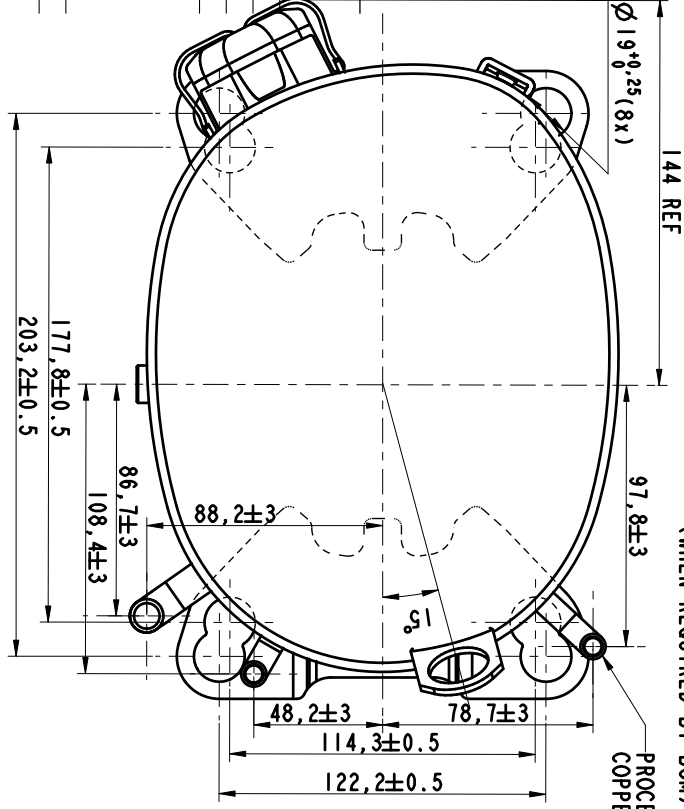
Evaporating temperature °C	Cooling capacity	Power consumption	Gas flow rate	Cooling Efficiency	Heating capacity +/-	Heating Efficiency
	+/-5% W	+/-5% W	+/-5% kg/h	+/- 7% W/W	5% * W	+/- 7% W/W
-20.00	1,179.07	820.57	31.90	1.44	1,622.13	1.98
-15.00	1,479.81	899.22	40.31	1.65	1,975.49	2.20
-10.00	1,833.54	980.13	50.36	1.87	2,377.56	2.43
-5.00	2,245.06	1,059.84	62.26	2.12	2,830.50	2.67
0.00	2,720.29	1,134.46	76.29	2.40	3,337.74	2.94
5.00	3,266.41	1,199.54	92.83	2.72	3,903.95	3.25
10.00	3,892.13	1,250.00	112.38	3.11	4,535.23	3.63

**CONDENSING TEMP. 55 °C****(SUBCOOLING : 0 K, RETURN TEMP.: 32 °C)**

Evaporating temperature °C	Cooling capacity	Power consumption	Gas flow rate	Cooling Efficiency	Heating capacity +/-	Heating Efficiency
	+/-5% W	+/-5% W	+/-5% kg/h	+/- 7% W/W	5% * W	+/- 7% W/W
-20.00	953.73	858.44	29.92	1.11	1,420.00	1.65
-15.00	1,201.15	951.49	37.98	1.26	1,730.69	1.82
-10.00	1,495.72	1,051.70	47.75	1.42	2,087.76	1.99
-5.00	1,840.24	1,155.58	59.41	1.59	2,490.77	2.16
0.00	2,238.58	1,259.33	73.22	1.78	2,940.82	2.34
5.00	2,695.67	1,358.76	89.56	1.98	3,440.22	2.53
10.00	3,217.44	1,449.18	108.88	2.22	3,992.33	2.75



ECM	REVISION	LO	BY	APP	DATE
518547	10	NT2192GK MOVED TO 92302	TAB	MG JK	18.01.2012
518217	11	ADDED CODE 84202	TAB	ZK RR	30.05.2012
520005	12	ADDED MODEL NT2210UV	TAB	LF JK	08.10.2012
520218	13	ADDED MODEL NT2180UV	TAB	LF JK	28.11.2012
28076	14	ADDED MODEL NT2210GK	TAB	MG JK	27.02.2013
30537	15	ADDED NOTE ABOUT INMETRO LABEL	C6	DG MG	31.07.2013
32359	16	ADDED MODEL NT6220UV	TAB	LF MG	26.09.2014
35951	17	ADDED MODELS NT6220UV, NT2170UV	TAB	LF MG	14.11.2014
31067	18	ADDED MODEL NT6230U	TAB	MR JK	20.11.2014
36343	19	ADDED MODELS NT2192ULT, NT2178ULT	B1	KK TP	04.12.2014
38927	20	ADDED MODEL NT2212ULT	TAB	KK TP	20.10.2015
44773	21	ADDED MODEL NT21786K	TAB	KK MG	20.12.2016



234	162.5	216	1.D. 6.42-6.5 X23 DEEP	1.D. 9.6-9.67 X22 DEEP	1.D. 6.42-6.5 X23 DEEP	922.02	923.02	NT2192GK	NT2210GK
220	148.5	202	6.42-6.5 X23 DEEP	9.6-9.67 X22 DEEP	6.42-6.5 X23 DEEP	212.02	923.32	NT6224GK	NT6226GK
						922.32	843.02	NT2210U	NT2210UV
						924.02	841.02	NT2192ULT	NT6230U
						922.12		NT2160UV	
						922.22		NT2160UV	
						842.02		NT6220UV	
						840.02		NT2178ULT	
								NT2168GK	NT2178GK
								NT2180GK	NT6222GK
								NT6220GK	NT6220Z
								NT7225GF	NT2180UV
								NT2160UV	NT2170UV
								NT6220UV	NT6222UV
								NT2178ULT	

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MATERIAL :		NAME		GEN. TOL. :	
KK	K	H	A	B	C
CODE :		embraco		ANG. TOL. :	
DRAWN : P. VALERO 01.04.2005		NT EXTERNAL VIEW		SCALE : 1:2	
APP. : VALENO 01.04.2005		CSR FASTON FUSITE		REPLACE	
ECM : ECM NUMBER		THIS MATERIAL IS SPECIFICALLY AND EXCLUSIVELY TO EMBRACO EQUIP AND MAY NOT BE REPRODUCED, COPIED, REPRODUCED OR USED WITHOUT WRITTEN PERMISSION.		No.	
				1.960.878	