

Designation	NT6217GK
Nominal Voltage/Frequency	200-240 V 50 Hz
Engineering Number	922AN04

A - APPLICATION / LIMIT WORKING CONDITIONS

1 Type	Hermetic reciprocating compressor		
2 Refrigerant	R404A		
3 Nominal voltage and frequency	200-240 / 50	[V / Hz]	
4 Application type	Medium Back Pressure		
4.1 Evaporating temperature range	-20°C to +10°C		
5 Motor type	CSR		
6 Starting torque	HST - High starting torque		
7 Expansion device	Capillary tube or Expansion valve		
8 Compressor cooling	Fan cooled	Operating voltage range	
		50 Hz	60 Hz
8.1 LBP (32°C Ambient temperature)	-	-	-
8.2 LBP (43°C Ambient temperature)	-	-	-
8.3 HBP (32°C Ambient temperature)	-	-	-
8.4 HBP (43°C Ambient temperature)	-	-	-
9 Maximum condensing pressures/temperature			
9.1 Operating (gauge)	24.7	[bar]	
9.2 Peak (gauge)	27.7	[bar]	
10 Maximum winding temperature	130	[°C]	

B - MECHANICAL DATA

1 Commercial designation	3/4	[hp]
2 Displacement	12.55	[cm ³]
2.1 Bore	31.75	[mm]
2.2 Stroke	15.87	[mm]
3 Lubricant charge	450	[ml]
3.1 Lubricants approved		
3.2 Lubricants type/viscosity	ESTER / ISO22	
4 Weight(with oil charge)	17.0	[kg]
5 Nitrogen charge	0.2 to 0.3	[bar]

C - ELECTRICAL DATA

1 Nominal Voltage/Frequency/Number of Phases	200-240 V 50 Hz 1 ~ (Single phase)	
2 Starting device type	Voltage Relay	
2.1 Starting device	3ARR3B10AB3	
3 Start capacitor	72-88 (250)	[µf(VAC minimum)]
4 Run capacitor	17.5 (440)	[µf(VAC minimum)]
5 Motor protection (external)	T0817/G9	
6 Start winding resistance	12.7	[ohm at 25°C] +/- 8%
7 Run winding resistance	2.7	[ohm at 25°C] +/- 8%
8 LRA - Locked rotor amperage (50 Hz)	25.0	[A] - According to UL 984
9 FLA - Full load amperage L/MBP (50 Hz)	-	[A] - According to UL 984
10 FLA - Full Load Amperage HBP (50 Hz)	-	[A] - According to UL 984
11 Approval boards certification	IMQ	

D - PERFORMANCE - CHECK POINT DATA

TEST CONDITIONS: @200V50Hz			EN12900 MBP Fan cooled		Evap. Temp -10°C Return Gas +20°C Cond. Temp +45°C Liquid Subcooling 0 K			
Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas Flow rate +/- 5%	Efficiency rate +/- 7%		
[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
3039	766	891	516	2.10	17.76	5.90	1.49	1.73

E - PERFORMANCE - CURVES

TEST CONDITIONS: @200V50Hz			EN12900 Fan cooled		Condensing temperature 35°C (+95°F)					
Evaporating temperature		Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas Flow rate +/- 5%	Efficiency rate +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-20	(-4)	2338	589	685	416	2.10	17.76	5.62	1.42	1.65
-15	(+5)	2982	751	874	449	2.26	22.83	6.65	1.68	1.95
-10	(+14)	3791	955	1111	483	2.43	29.29	7.86	1.98	2.30
-5	(+23)	4751	1197	1392	515	2.58	37.10	9.22	2.32	2.70
0	(+32)	5850	1474	1714	544	2.71	46.24	10.75	2.71	3.15
+5	(+41)	7073	1782	2073	567	2.78	56.70	12.48	3.15	3.66
+10	(+50)	8406	2118	2463	580	2.79	68.44	14.50	3.65	4.25

TEST CONDITIONS: @200V50Hz			EN12900 Fan cooled		Condensing temperature 45°C (+113°F)					
Evaporating temperature		Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas Flow rate +/- 5%	Efficiency rate +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-20	(-4)	1825	460	535	429	2.20	15.77	4.26	1.07	1.25
-15	(+5)	2358	594	691	471	2.40	20.54	5.01	1.26	1.47
-10	(+14)	3039	766	891	516	2.62	26.74	5.90	1.49	1.73
-5	(+23)	3857	972	1130	560	2.82	34.36	6.89	1.74	2.02
0	(+32)	4797	1209	1406	601	2.99	43.36	7.99	2.01	2.34
+5	(+41)	5845	1473	1713	636	3.12	53.73	9.20	2.32	2.69
+10	(+50)	6988	1761	2048	662	3.18	65.44	10.56	2.66	3.09

TEST CONDITIONS: @200V50Hz			EN12900 Fan cooled		Condensing temperature 55°C (+131°F)					
Evaporating temperature		Cooling capacity +/- 5%			Power consumption +/- 5%	Current consumption +/- 5%	Gas Flow rate +/- 5%	Efficiency rate +/- 7%		
°C	(°F)	[Btu/h]	[kcal/h]	[W]	[W]	[A]	[kg/h]	[Btu/Wh]	[kcal/Wh]	[W/W]
-20	(-4)	1469	370	430	449	2.27	14.92	3.27	0.82	0.96
-15	(+5)	1849	466	542	500	2.52	18.99	3.70	0.93	1.08
-10	(+14)	2362	595	692	554	2.79	24.54	4.26	1.07	1.25
-5	(+23)	2996	755	878	609	3.05	31.57	4.92	1.24	1.44
0	(+32)	3736	941	1095	660	3.29	40.04	5.66	1.43	1.66
+5	(+41)	4568	1151	1339	707	3.47	49.93	6.46	1.63	1.89
+10	(+50)	5480	1381	1606	745	3.59	61.22	7.35	1.85	2.15

1 Base plate	Universal
2 Tray holder	No
3 Connectors	
3.1 SUCTION	9.6 +0.07/+0.00 [mm]
3.1.1 Material	Copper
3.1.2 Shape	Vertical
3.2 DISCHARGE	6.42 +0.08/+0.00 [mm]
3.2.1 Material	Copper
3.2.2 Shape	Vertical
3.3 PROCESS	9.6 +0.07/+0.00 [mm]
3.3.1 Material	Copper
3.3.2 Shape	Vertical
3.4 Oil cooler	No
3.5 Connector sealing	Rubber Plugs