AGA **FRIGOSCANDIA**

Freezer Division

Manual	
0046-1-005-C	1/2
March 1980	*

GYRoFREEZE Compact, FB-51-models

Technical Data. Lay-out NS and NN. Single vertical air flow.

SI-System

MODELS		118-5xx	121-5xx	124-5xx	127-5xx	130-5xx
Belt type available		FRIGoBELT, stainless with or without mesh.				
Belt width, total	mm	510				
Belt width, net	mm	450				
Number of effective tiers		18	21	24	27	30
Total belt length	m	205	236	266	297	327
Effective belt area	m^2	69	80	92	104	115
Belt speed and holding time		Theoretically variable 1,0 - 17,3 m. (Upper limit designed to meet product requirements). Max. product load on belt = 18 kg/m^2.*				
Vertical clearance for product						
Standard	mm	60				
Semi-standard	mm	100				
Electrical power						
Voltage		3 x 380 V or 3 x 415 V, 50 Hz: 3 x 440 V, 60 Hz				
Normal power consumption**	kW	18	18	18	18	18
Max. power requirement**	kVA	25	25	25	25	25
Motors of more than 1 kW rating**		1 x 3 kW + 1 x 15 kW				
Refrigeration						
Standard design		Ammonia. Pump circulation. Circulation ratio = 4 to 6 times evaporation.				
Standard evaporation temp.	°C	-40° suction at evaporator.				
Base load***	kW (Kcal/h)	23 (20,000)				
Coil volume	lit.					
Coil surface:						
600 m^2 xx = 06		280				
700 m^2 xx = 07		390				
800 m^2 xx = 08		390				
900 m^2 xx = 09		420				
1000 m^2 xx = 10		500				
Defrosting system		Hot gas or water.				
Water defrost system****	°C	Min. temp. +15.				
Water consumption*****	l/min	400				

* Based on belt FB-51-8-3, M-13-1.5.

** Excluding belt washer. (Max. power requirement 5.5 kW).

*** Required refrigeration capacity minus product heat (excluding belt thawing).

**** Water defrost system (optional extra).

***** Pressure of 300 kPa (3 kp/cm^2) min. pressure 100 kPa (1 kp/cm^2).

UK-, US units overleaf.

Subject to change without notice

Manual	
0046-1-005-C	2/2
March 1980	*

AGA FRIGOSCANDIA

Freezer Division

GYRoFREEZE Compact, FB 51-models

Technical Data. Lay-out NS and NN. Single vertical air flow.

US/UK Units

MODELS		118-5xx	121-5xx	124-5xx	127-5xx	130-5xx
Belt type available		FRIGoBELT, stainless with or without mesh.				
Belt width, total	inches	20 5/64				
Belt width, net	inches	17 3/4				
Number of effective tiers		18	21	24	27	30
Total belt length	ft	666	764	863	961	1060
Effective belt area	ft^2	743	861	990	1120	1238
Belt speed and holding time		Theoretically variable 3.3 - 56 FPM. (Upper limit designed to meet product requirements). Max. product load on belt = 3.7 lbs/ft^2.*				
Vertical clearance for product						
Standard	inches	2 3/8				
Semi-standard	inches	3 15/16				
Electrical power						
Voltage		3 x 380 V or 3 x 415 V, 50 Hz: 3 x 440 V, 60 Hz				
Normal power consumption**	kW	18	18	18	18	18
Max. power requirement**	kVA	25	25	25	25	25
Motors of more than 1 kW rating**		1 x 3 kW + 1 x 15 kW				
Refrigeration						
Standard design		Ammonia. Pump circulation. Circulation ratio = 4 to 6 times evaporation.				
Standard evaporation temp.	oF	-40° suction at evaporator.				
Base load***	TR	6.6				
Coil volume:						
Coil surface:	US gal					
600 m^2		74				
700 m^2		103				
800 m^2		103				
900 m^2		111				
1000 m^2		132				
	UK gal					
600 m^2		62				
700 m^2		86				
800 m^2		86				
900 m^2		93				
1000 m^2		110				
(1 m^2 = 10.764 sq.ft.)						
Defrosting system		Hot gas or water.				
Water defrost system****	°F	Min. temp. +15				
Water consumption*****	US gal/min	106				
	UK gal/min	88				

* Based on belt FB-51-8-3, M-13-1.5.

** Excluding belt washer. (Max. power requirement 5.5 kW).

*** Required refrigeration capacity minus product heat (excluding belt thawing).

**** Water defrost system (optional extra).

***** Pressure of 300 kPa (3 kp/cm^2) min. pressure 100 kPa (1 kp/cm^2).

SI-System overleaf.