Performance tests XLT C300

- Pull down from ambient temperature - empty
- Pull up time - empty
- Cyclic operation - empty
- Pull up time - full

FREEZERFACTORY.COM



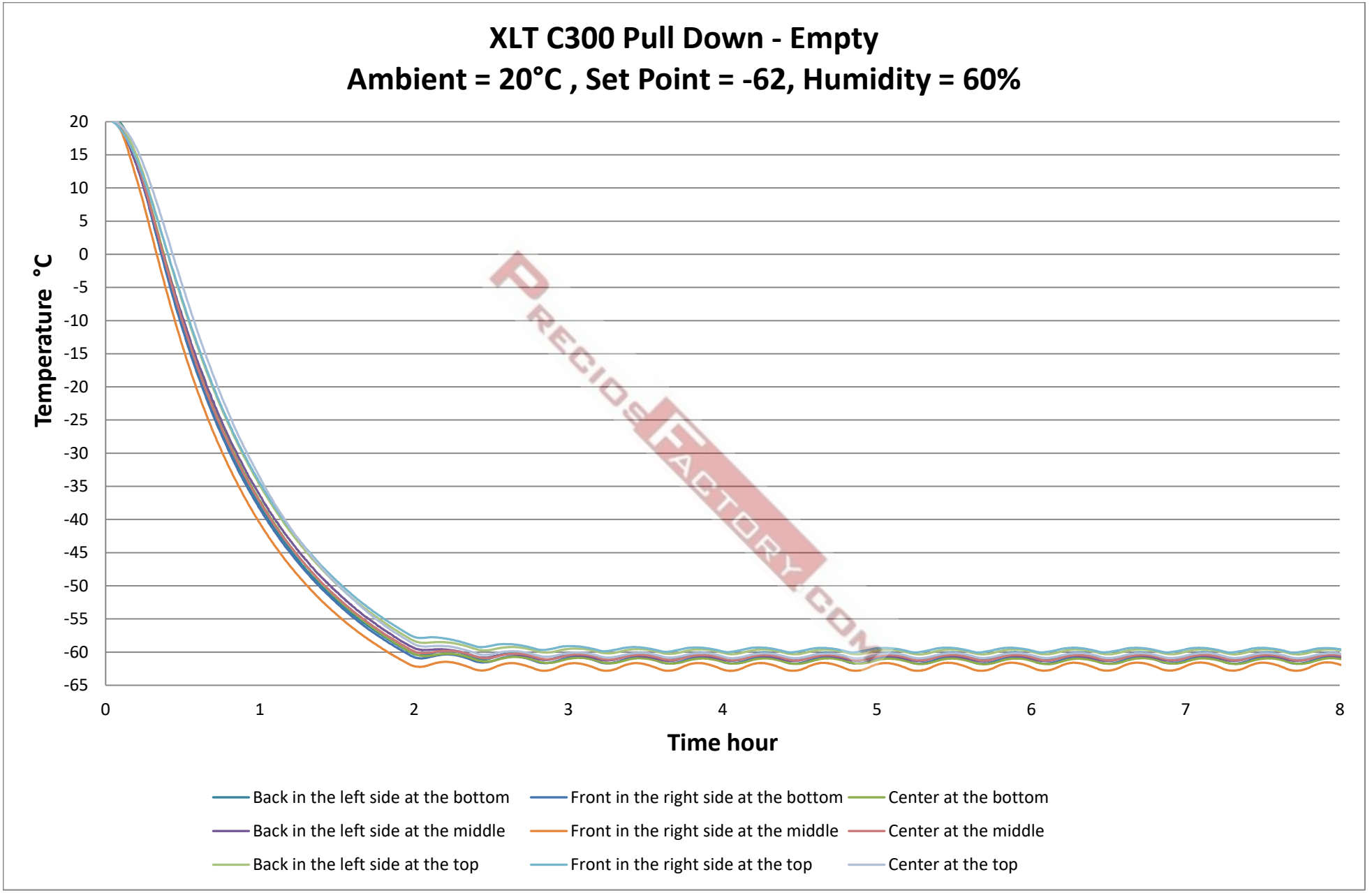
Pull down test from ambient temperature – XLT C300

Test Conditions:

Model:	XLT C300
SN:	73327296
Test environment:	Controlled conditions
Ambient temperatur:	+20°C ± 1°C
Ambient humidity:	60% ± 5%
Temperature set-point in cabinet:	-62°C
Cabinet load:	None
Door openings:	None
Sensors used:	25g tinned brass formed as a cylinder with diameter of 15.2mm
Sensors position:	9 points measure distributed diagonal in the cabinet layers. Sensors a placed with one in front where the door opens, one in the middle and one in the back opposite of the front sensor
Installation:	Appliance installed according to the instruction manual condition
Refrigerant:	166g Nature R

Result of test:
Starting at ambient temperature, the set point was reached after 160min.

PRECISIONFACTORY.COM


XLT C300 Pull Down - Empty
Ambient = 20°C , Set Point = -62, Humidity = 60%
Temperature °C
20
15
10
5
0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
0
1
2
3
4
5
6
7
8
Time hour
Back in the left side at the bottom
Front in the right side at the bottom
Center at the bottom
Back in the left side at the middle
Front in the right side at the middle
Center at the middle
Back in the left side at the top
Front in the right side at the top
Center at the top

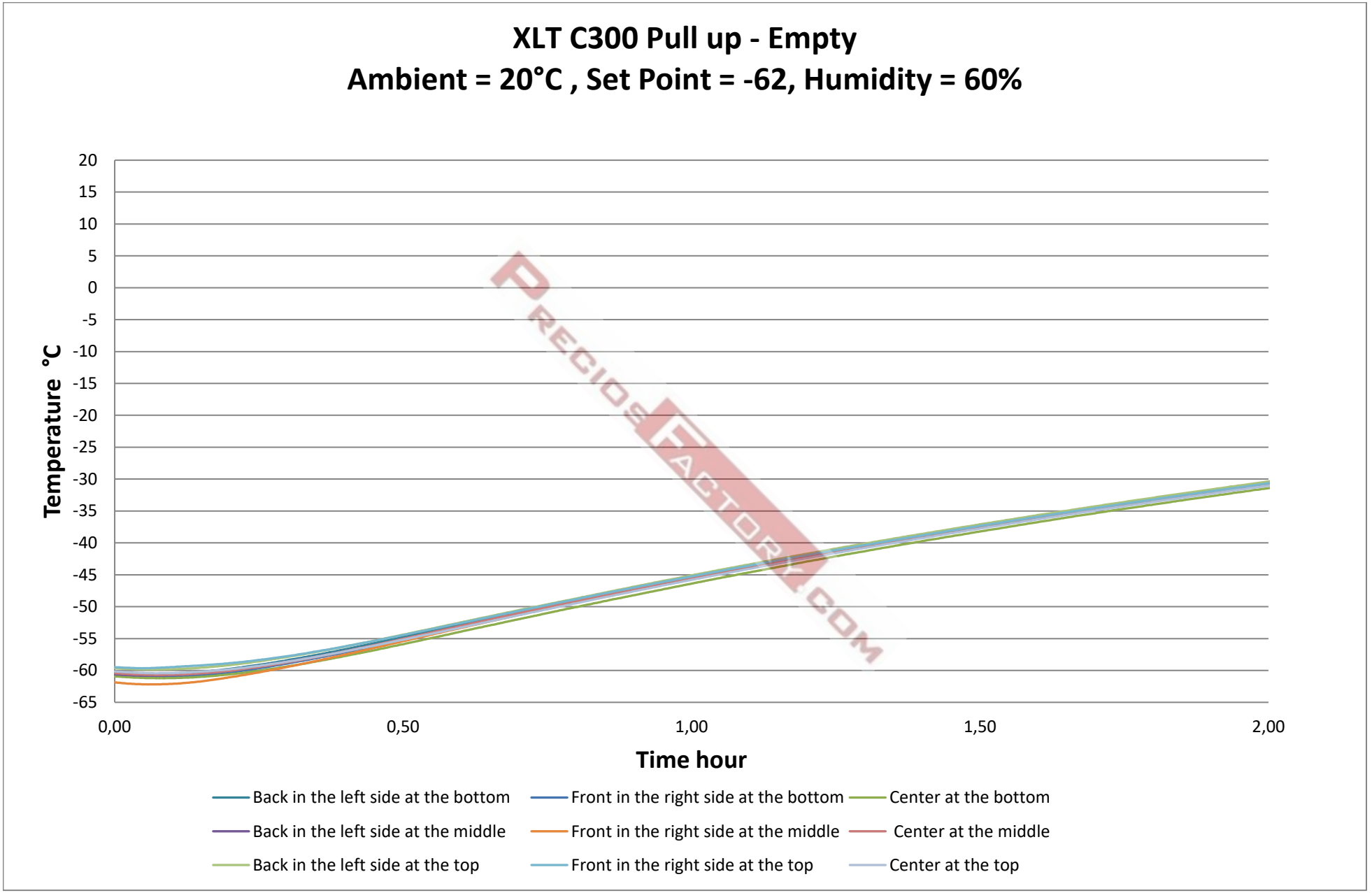
Pull up time from -62°C to -40°C – XLT C300

Test Conditions:

Model:	XLT C300
SN:	73327296
Test environment:	Controlled conditions
Ambient temperatur:	+20°C ± 1°C
Ambient humidity:	60% ± 5%
Temperature set-point in cabinet:	-62°C
Cabinet load:	None
Door openings:	None
Sensors used:	25g tinned brass formed as a cylinder with diameter of 15.2mm
Sensors position:	9 points measure distributed diagonal in the cabinet layers. Sensors a placed with one in front where the door opens, one in the middle and one in the back opposite of the front sensor
Installation:	Appliance installed according to the instruction manual condition
Refrigerant:	166g Nature R

Result of test:
Starting at set point temperature, the temperature rise above -40°C between 75 min and 83 min.

REFRIGERATOR FACTORY.COM


XLT C300 Pull up - Empty
Ambient = 20°C , Set Point = -62, Humidity = 60%
Temperature °C
20
15
10
5
0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
0,00
0,50
1,00
1,50
2,00
Time hour
Back in the left side at the bottom
Front in the right side at the bottom
Center at the bottom
Back in the left side at the middle
Front in the right side at the middle
Center at the middle
Back in the left side at the top
Front in the right side at the top
Center at the top

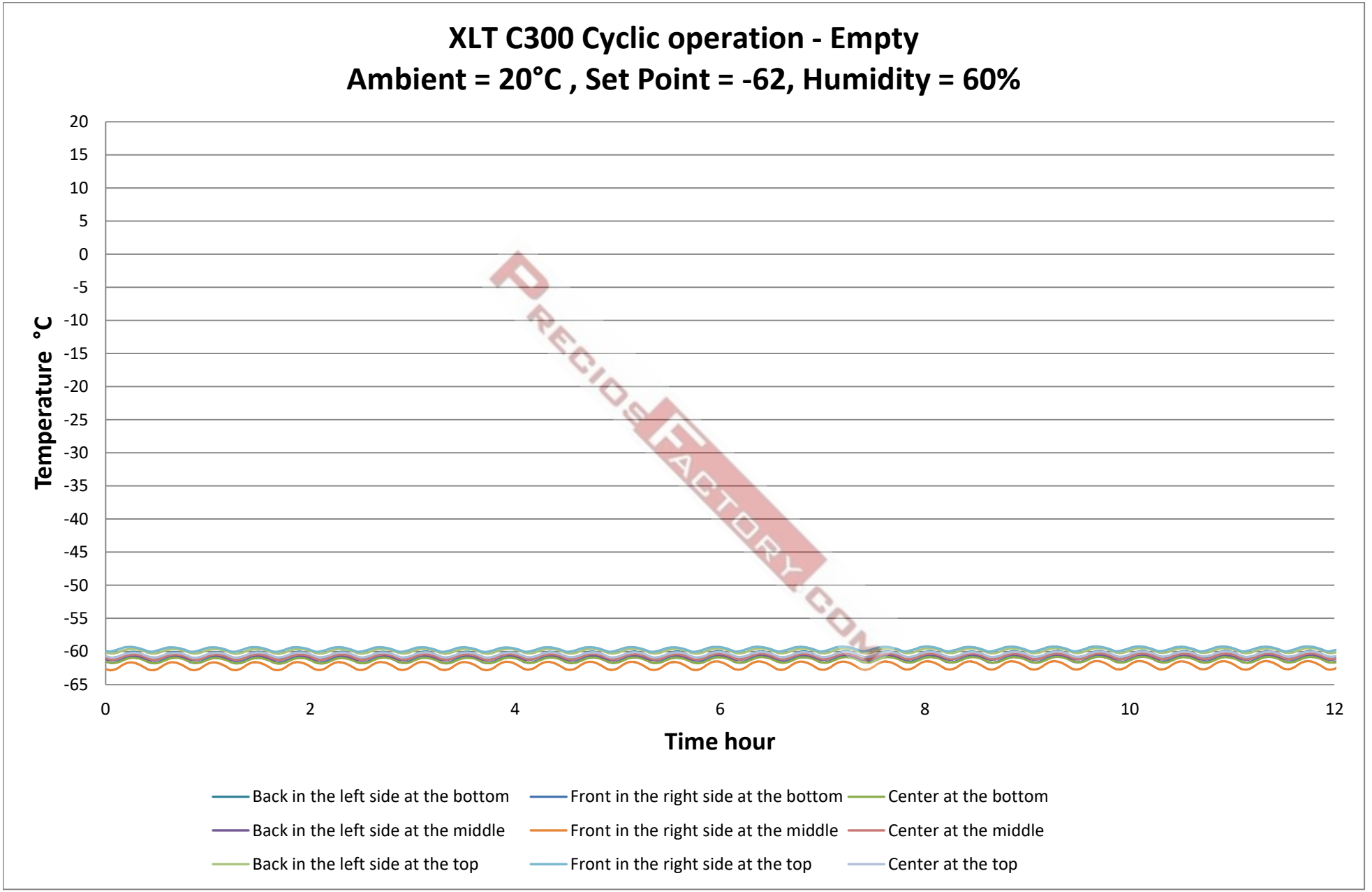
Cyclic operation 24 hour – XLT C300

Test Conditions:

Model:	XLT C300
SN:	73327296
Test environment:	Controlled conditions
Ambient temperatur:	+20°C ± 1°C
Ambient humidity:	60% ± 5%
Temperature set-point in cabinet:	-62°C
Cabinet load:	None
Door openings:	None
Sensors used:	25g tinned brass formed as a cylinder with diameter of 15.2mm
Sensors position:	9 points measure distributed diagonal in the cabinet layers. Sensors a placed with one in front where the door opens, one in the middle and one in the back opposite of the front sensor
Installation:	Appliance installed according to the instruction manual condition
Refrigerant:	166g Nature R

Result of test:
At an ambient temperature at 20°C, the energy for 24 hour is 5,562 kWh.
The temperature difference between top and bottom is 5,0°C

PRECISE FACTORY.COM


XLT C300 Cyclic operation - Empty
Ambient = 20°C , Set Point = -62, Humidity = 60%
Temperature °C
20
15
10
5
0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
0
2
4
6
8
10
12
Time hour
Back in the left side at the bottom
Front in the right side at the bottom
Center at the bottom
Back in the left side at the middle
Front in the right side at the middle
Center at the middle
Back in the left side at the top
Front in the right side at the top
Center at the top

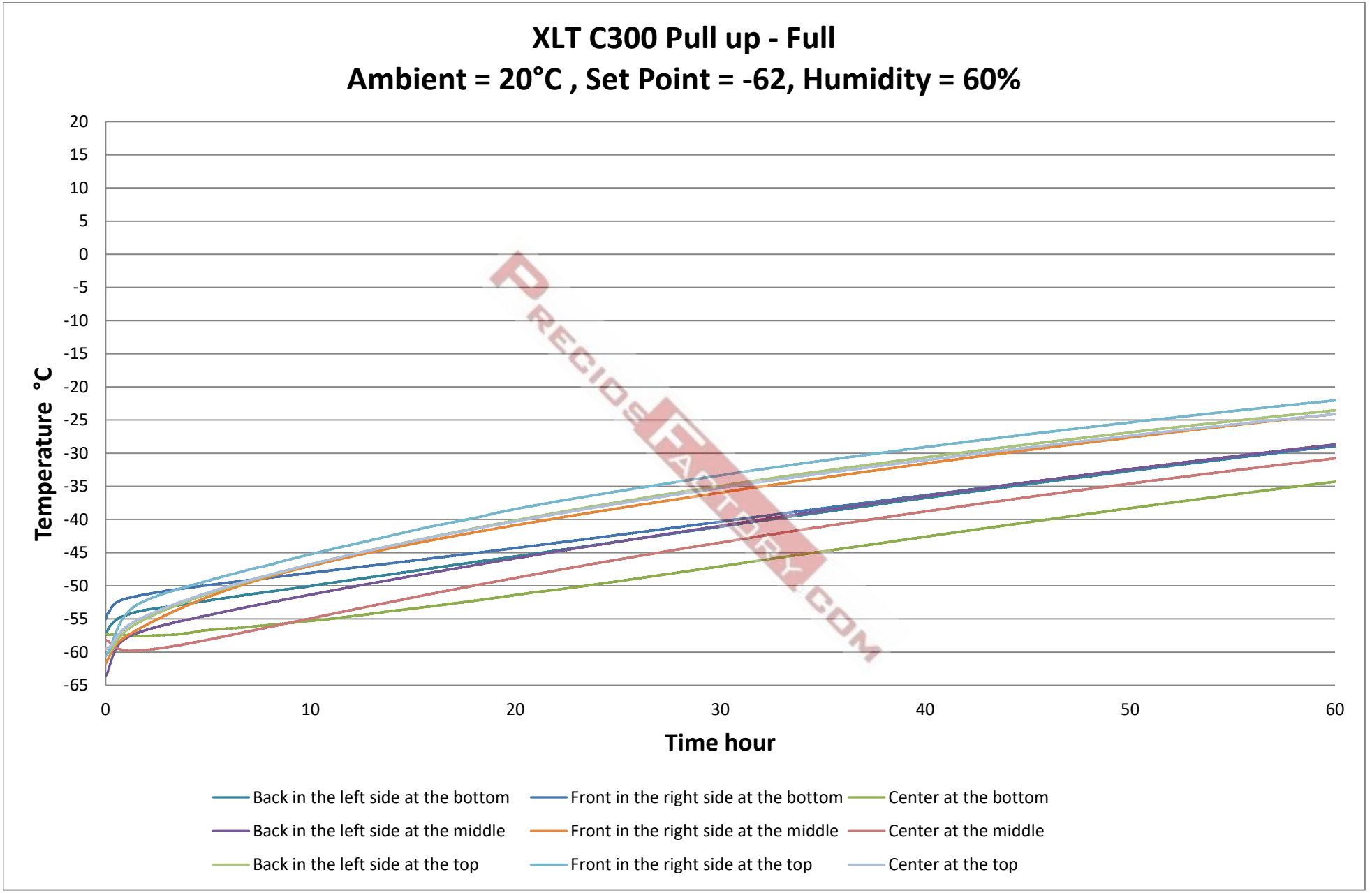
Pull up time from -62°C to -40°C – XLT C300

Test Conditions:

Model:	XLT C300
SN:	73327296
Test environment:	Controlled conditions
Ambient temperatur:	+20°C ± 1°C
Ambient humidity:	60% ± 5%
Temperature set-point in cabinet:	-62°C
Cabinet load:	Full
Door openings:	None
Sensors used:	25g tinned brass formed as a cylinder with diameter of 15.2mm
Sensors position:	9 points measure distributed diagonal in the cabinet layers. Sensors a placed with one in front where the door opens, one in the middle and one in the back opposite of the front sensor
Installation:	Appliance installed according to the instruction manual condition
Refrigerant:	166g Nature R

Result of test:
Starting at set point temperature, the temperature rise above -40°C between 651 min and 2756 min.

PRECISIONFACTORY.COM


XLT C300 Pull up - Full
Ambient = 20°C , Set Point = -62, Humidity = 60%
Temperature °C
20
15
10
5
0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50
-55
-60
-65
0
10
20
30
40
50
60
Time hour
Back in the left side at the bottom
Front in the right side at the bottom
Center at the bottom
Back in the left side at the middle
Front in the right side at the middle
Center at the middle
Back in the left side at the top
Front in the right side at the top
Center at the top