



General Product Documentation

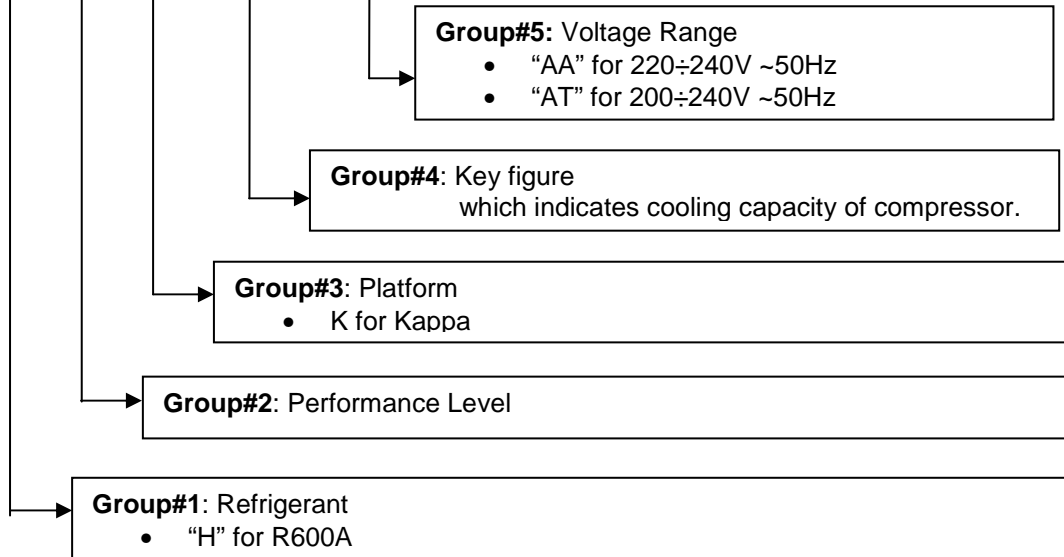
KAPPA

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1 Compressor Denomination

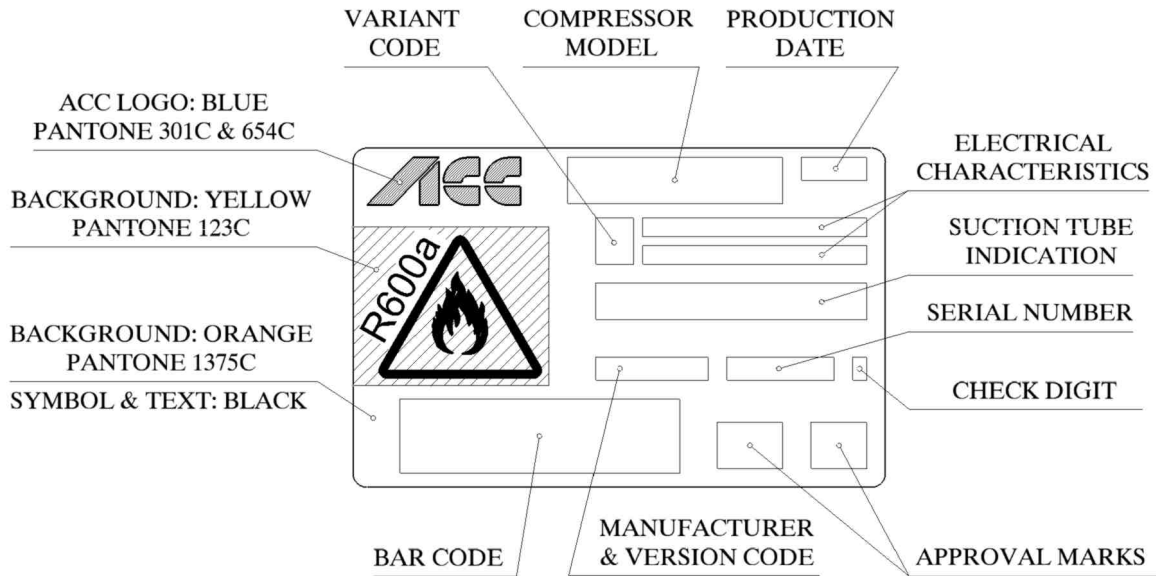
1	2	3	4	5	group
H	X	K	12	AA	example



2 Label

LABEL

(dimensions: 57 x 36.5)






Example:



3 Motor Types

RSIR:	<u>Resistance Start – Inductive Run</u> Start winding is interrupted after start-up by a PTC.
RSCR:	<u>Resistance Start – Capacitive Run</u> For higher efficiency the auxiliary winding is supporting the main winding by a run capacitor.
RSIR/RSCR:	Depending on requirements motor can be used as RSIR or RSCR type.

4 Approvals

CE	
VDE	
STR	

4.1 Certificate References

4.1.1 HXK

Plant	VDE, (CE)	STR
	Licence No.	Licence No.
ITML	40023932	C-AT.AT27.B.00041
ATFF	40023933	

4.1.2 HKK

Plant	VDE, (CE)	STR
	Licence No.	Licence No.
ITML	40016856	C-AT.AT27.B.00041
	40031158	
ATFF	40010874	
	40031157	

4.1.3 HTK

Plant	VDE, (CE)	STR
	Licence No.	Licence No.
ITML	40016857	C-AT.AT27.B.00041
ATFF	40003038	

4.1.4 HMK

Plant	VDE, (CE)	STR
	Licence No.	Licence No.
ITML	40016826	C-AT.AT27.B.00041
	40016863	
ATFF	40016826	

5 Delivery Conditions

Max. Solid impurities (*)	[mg]	30
Max. soluble impurities (*)	[mg]	600
Max. Total compressor water content (*)	[mg]	100

(*) when delivered

6 Application Conditions

Max. Ambient temp. ¹	[°C]	43
Max. Steady discharge temp. ²	[°C]	120
Max. Peak discharge temp. ^{2,5}	[°C]	135
Max. Steady condensing temp. ³	[°C]	60
Max. Peak condensing temp. ^{3,5}	[°C]	70
Max. Winding temp. ⁴	[°C]	130

¹...static

²...measured on discharge tube, 50 mm from the shell

³...measured in the middle of condenser

⁴...calculated out of the measured difference of resistance

⁵...max 5% of lifetime

6.1 Oil transport of the compressor in the refrigeration circuit

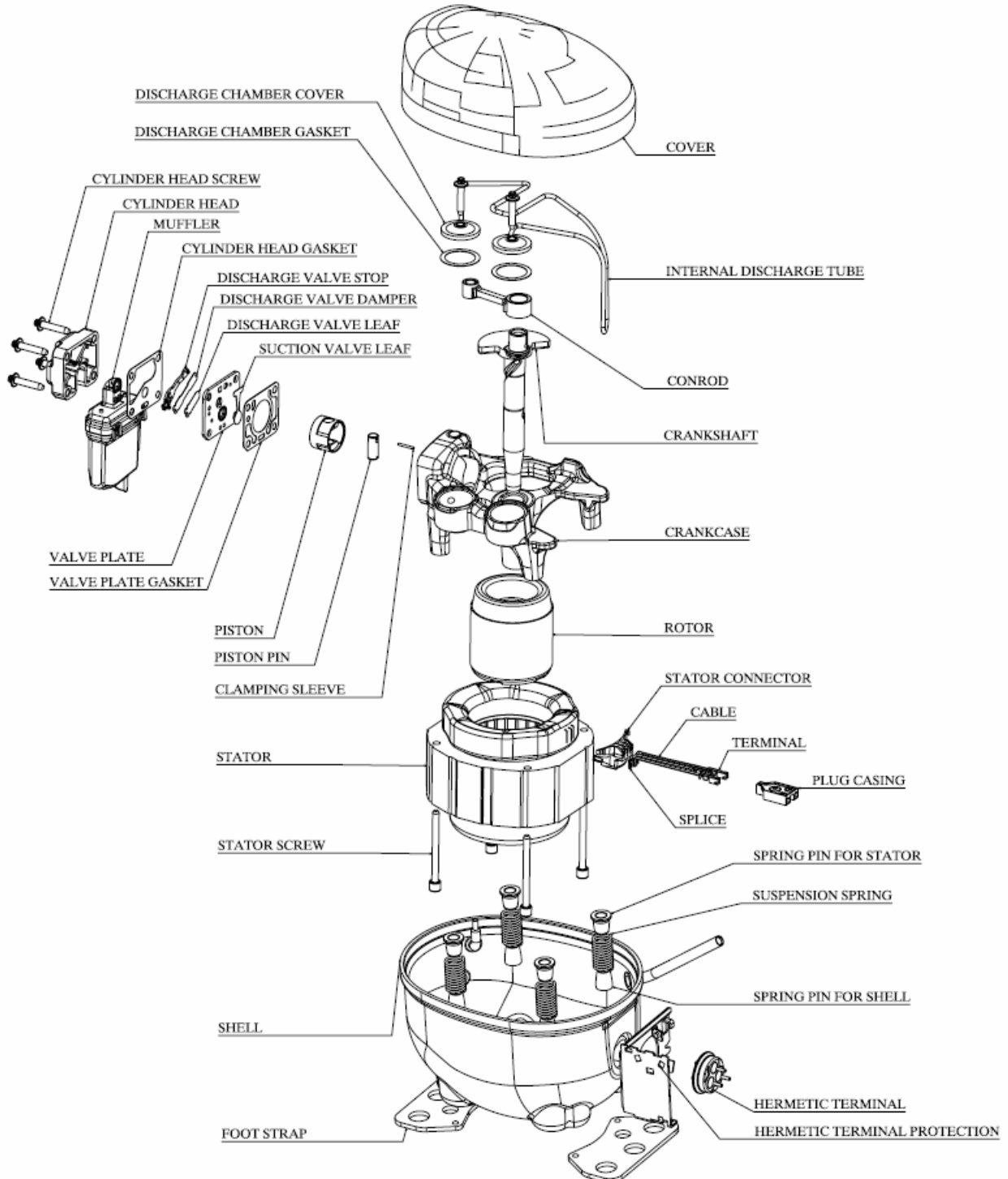
Average value of the transported oil in the refrigeration circuit:
2,5 g oil/kg R600-a mass flow per hour

Tolerance:

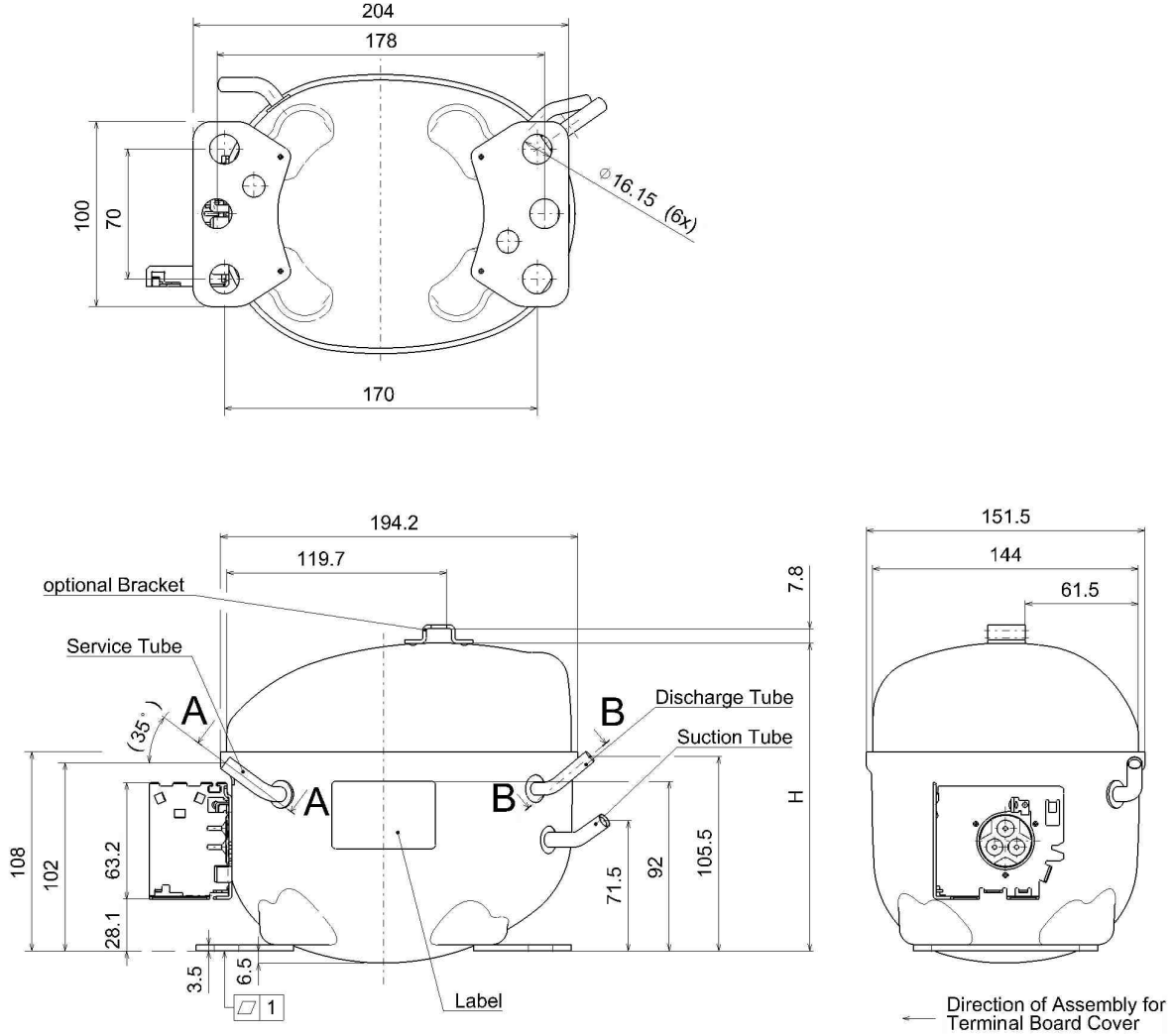
±2,5 g oil/kg R600-a mass flow per hour

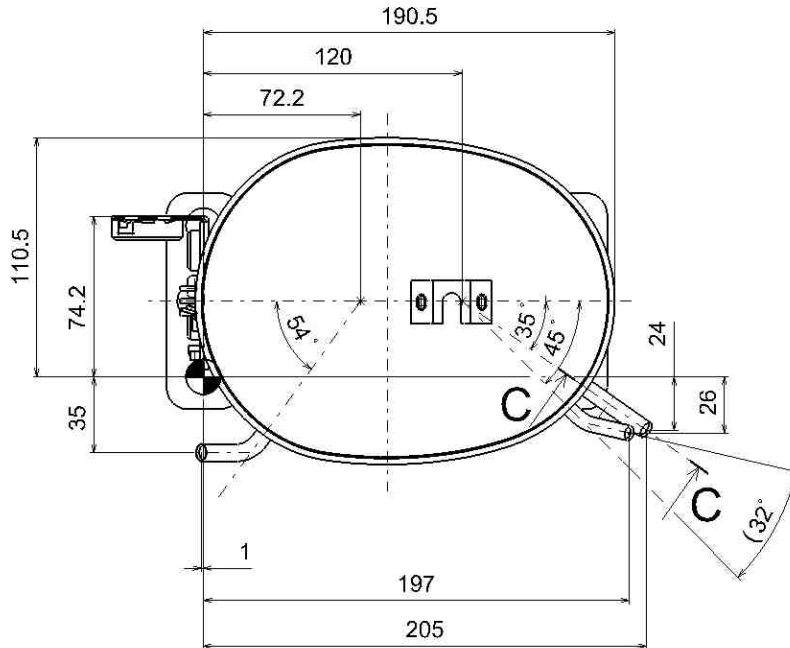
7 Drawings

7.1 3D Sketch, Mechanical Data Sketch

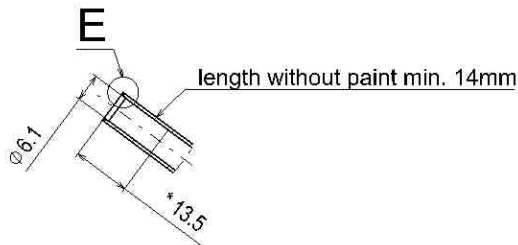


7.2 Outline Dimensions with short Service Tube

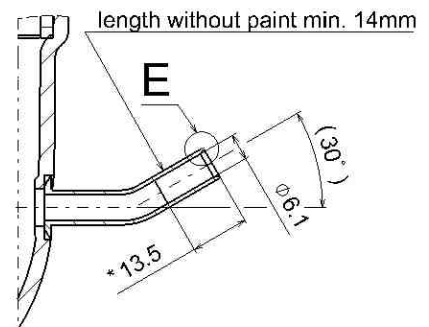




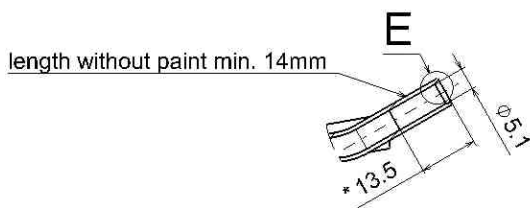
Section A-A
Scale 1:1
Service Tube



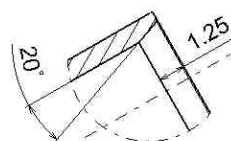
Section C-C
Scale 1:1
Suction Tube



Section B-B
Scale 1:1
Discharge Tube



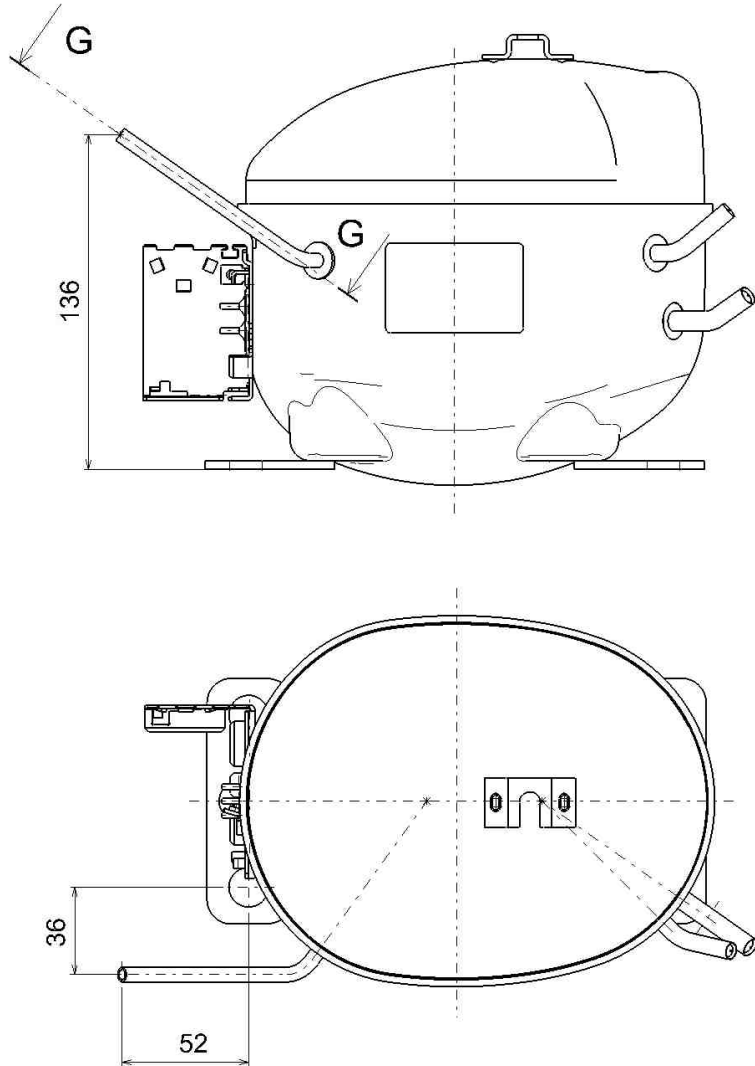
Detail E
Scale: 5:1



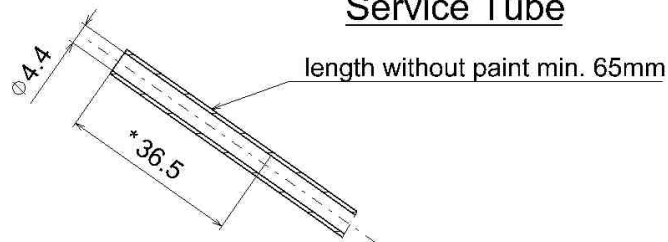
*calibrated length

7.3 Outline Dimensions with long Service Tube

All other dimensions and descriptions see Outline Dimensions with short Service Tube.



Section G-G
Scale 1:1
Service Tube

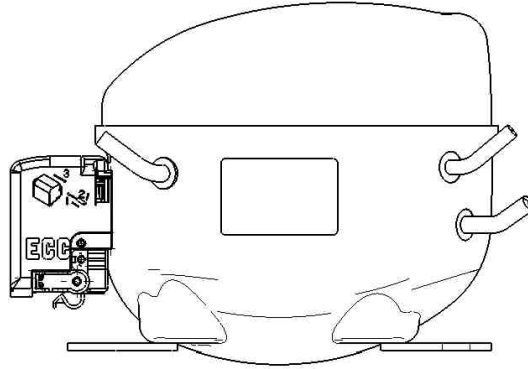


*calibrated length

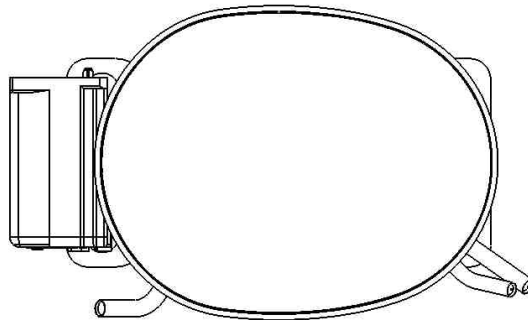
8 Transport, Packing, Palletization

8.1 Recommended Transport Positions when fitted into Appliances

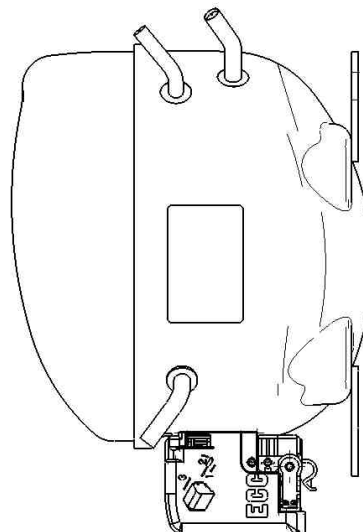
Upright



Tubes Down



Terminal Board Down



8.2 Packaging and Palletization

8.2.1 Packaging Type, Pallet Data

Packing-type		Layers	Quantity	Compressors per layer	Pallet Size L x W
				L x W	mm
One-Way Packaging	Wood-EPS *	4	80	5 x 4 = 20	1120 x 820
		5	100	5 x 4 = 20	1120 x 820
	Single Packaging	5	60	4 x 3 = 12	1120 x 820
More-Way Packaging	ABS	4	84	7 x 3 = 21	1200 x 800
		5	105	7 x 3 = 21	1200 x 800

*Optional protection and reinforcement with Cardboard-Box and PE Top Foil.

8.2.2 Transport

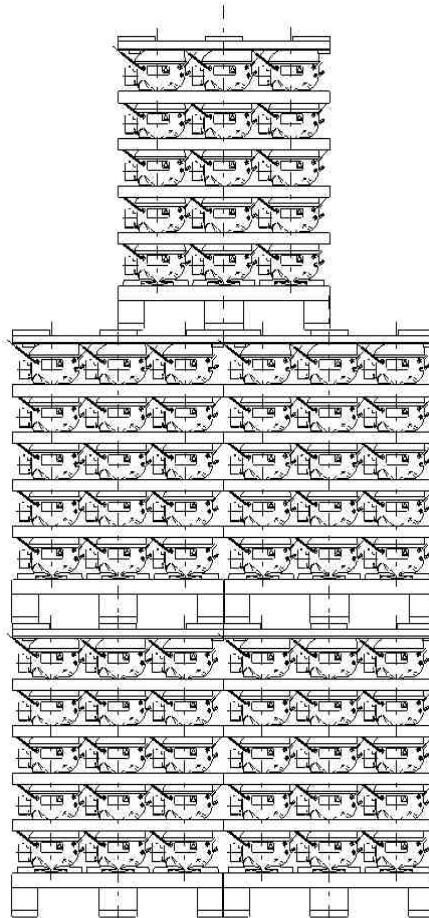
Packing-type		Layers	Stacking height		
			Number of Pallets		
			Truck	Container	Train ^{1,2}
One-Way Packaging	Wood-EPS	4	1	-	-
		5	1	-	-
	Wood-EPS + Cardboard-Box	4	1	-	1
		5	1	-	1
	Wood-EPS + Cardboard-Box + PE Top Foil	4	1	2	1
		5	1	2	1
	Single Packaging	5	1	1	-
	More-Way Packaging	ABS	4	2	-
5			1	-	1

¹ Train Transport according UIC-Codex 526-1. In sliding wall wagon with lockable bulkhead only;

² Train Loading according BT Band 2 Rail Cargo Austria, Loading Guideline 100.1; Contact of pallet to bulkhead is mandatory; respectively the maximum distance of 45mm has to be guaranteed. Maximum weight of goods between bulkheads is 5t.

8.2.3 Warehouse Storing

More-Way Packaging – One Way Packaging
max. 3 Pallet layers
3rd layer with offset



Attention: Single packaging one Pallet layer only!

8.2.4 Recycling of compressors

Oil and gas must be recycled separately. Afterwards the compressor must be removed from the refrigerator and has to be given to a scrap metal recycling unit.