

# **Авиа перевозки**

Для АЕТ trans

# Какие грузы перевозят авиатранспортом

Авиаперевозки являются самым дорогим видом перевозок.

Обычно авиатранспортом перевозят следующие виды грузов:

- 1) Дорогие
- 2) Срочные
- 3) Когда нельзя перевезти груз другим способом

# В России?

- Из-за неразвитости логистической системы и планирования внутри цепи поставок, это правило зачастую не действует.

# Сколько стоят авиаперевозки?

- Обычно от 0,7 USD до 12 долларов за кг
- Среднюю цену можно представить как 3,5 USD за кг

# Ценообразование

- Обычно тариф состоит из нескольких частей:
- Air Freight; A/F –Авиафрахт
- Fuel Surcharge; FSC –Топливная надбавка
- Security Surcharge –SCS-Надбавка за безопасность
- Terminal charges-терминальные расходы
- Screening-X-Ray-сканирование

# Как считаются тарифы

- Авиафрахт считается на основе Платного веса( Chargeable weight)
- Топливная надбавка, как правило, считается на основе Платного веса( Chargeable weight)

Платный вес исчисляется

Объем в кубических метрах\*167

# Остальные расходы

- Остальные расходы считаются на основе фактического веса (Actual weight)

Взвешивается и измеряется ли  
груз?

- **Выборочно!**



# Какие еще могут быть расходы?

- Оформление транспортного документа  
AWB (Air Way Bill) Авианакладная
- Досмотр
- Манифест

# Запрос на расчет тарифа

- Subject : Air Rate request LED-CDG
- Hello, please, kindly quote the following:

Pick up

Cargo: spare parts, non Haz Mat

10 pcs, 100 kg, dims 100\*100\*100

Total Gross Weight 1000 kg

# Авианакладная

876 PVG 00525652

876- 00525652

Shipper's Name and Address  
**NINGBO YANRUI IMP. & EXP. CO. LTD**  
**ADD: RM1001, JIANCHEN MANSION, NO. 99 TAIHUI**  
**ROAD, NSBD, NINGBO, CHINA**  
**TEL: 0086-574-82815860 FAX: 0086-574-82815850**  
**91330212691352741K**

Shipper's Account Number

Not negotiable

Air Waybill

Issued by



**中国四川航空股份有限公司**  
**CHINA SICHUAN AIRLINES**  
 SICHUAN CHINA

Consignee's Name and Address  
**PRODUCTION COOPERATIVE CHEMICAL PLANT LUOH**  
**ADD: 150029, RUSSIA, YAROSLAVL, PROMZONA,**  
**DEKABRISTOV STR. 7 MS. ANASTASIA**  
**PHONE/FAX: +7 (4852) 219785, 219694**  
**7725541627**

Consignee's Account Number

Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

It is agreed that the goods described herein are to be carried by air in a strong, good order and condition, to be received and SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF, ALL GOODS MAY BE CARRIED BY ANY OTHER MEANS INCLUDING ROAD OR ANY OTHER CARRIER UNLESS SPECIFIC CONTRARY INSTRUCTIONS ARE GIVEN HEREON BY THE SHIPPER, AND SHIPPER AGREES THAT THE SHIPMENT MAY BE CARRIED VIA INTERMED. AIR STOPPING PLACES WHICH THE CARRIER DEEMS APPROPRIATE. THE SHIPPER'S ATTENTION IS DRAWN TO THE NOTICE CONCERNING CARRIER'S LIMITATION OF LIABILITY. SHIPPER MAY INCREASE SUCH LIMITATION OF LIABILITY BY DECLARING A HIGHER VALUE FOR CARRIER AND PAYING A SURCHARGE IF REQUIRED.

Issuing Carrier's Agent Name and City  
 WWL/SHA

Accounting Information

**FREIGHT PREPAID**

WWL/SHA

Agent's IATA Code Account No.

Airport of Departure (Addr. of First Carrier) and Requested Routing  
**SHANGHAI**

Reference Number

Optional Shipping Information

To	By First Carrier	Routing and Destination	to	by	to	by	Currency	INS	INTVAL	Other	Declared Value for Carriage	Declared Value for Customs
CTU	3U		SV02				CNY	PP	PP		NVD	NCV
Airport of Destination			Requestor Flight/Note		Amount of Insurance		INSURANCE - If carrier offers insurance, and such insurance is requested in accordance with the conditions thereof, indicate amount to be insured in figures in box marked "Amount of Insurance".					
MOSCOW			3U8964		2018-07-24							

Handling Information

80

No. of Pieces RCP	Gross Weight	kg	Rate Class	Chargeable Weight	Rate / Charge	Total	Nature and Quantity of Goods (incl. Dimensions or Volume)
6	1042 K		Q	1042 K	32.07	33416.94	ARTIST BRUSH

Какая информация есть в  
авианакланой?

ROAD, NSBD, NINGBO, CHINA  
 TEL: 0086-574-82815860 FAX: 0086-574-82815850  
 91330212691352741K

Air Waybill  
 Issued by



CHINA SICHUAN AIRLINES  
 SICHUAN CHINA

Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

Consignee's Name and Address  
**PRODUCTION COOPERATIVE CHEMICAL PLANT LUCH**  
**ADD: 150029, RUSSIA, YAROSLAVL, PROMZONA,**  
**DEKABRISTOV STR. 7 MS. ANASTASIA**  
**PHONE/FAX: +7 (4852) 219785, 219694**  
**7725541627**

Consignee's Account Number

It is agreed that the goods described herein are to be carried by air (air-transport) in a good order and condition (except as noted) and SUBJECT TO THE CONDITIONS OF CONTRACT ON THE REVERSE HEREOF, ALL GOODS MAY BE CARRIED BY ANY OTHER MEANS INCLUDING ROAD OR ANY OTHER CARRIER UNLESS SPECIFICALLY ADVISED BY THE SHIPPER AND SHIPPER AGREES THAT THE SHIPMENT MAY BE CARRIED VIA INTERMEDIATE STOPPING PLACES WHICH THE CARRIER DEEMS APPROPRIATE. THE SHIPPER'S ATTENTION IS DRAWN TO THE FOLLOWING: A HIGHER VALUE

**Получатель CNEE Consignee**

Issuing Carrier's Agent Name and City  
 WWL/SHA  
**Агент IATA выпустивший накладную**

Accounting Information  
**FREIGHT PREPAID**  
 WWL/SHA  
**Условия оплаты + полная дополнительная информация**

Agent's IATA Code  
 Account No.

Airport of Departure, Addr. of First Carrier and Requested Routing  
**SHANGHAI**

Reference Number  
 Optional Shipping Information

Количество грузовых единиц

To	By First Carrier	Routing and Destination	to	by	to	by	Currency	Class	WT/VAL	Other	Declared Value for	3rd - Declared Value for Customs
CTU	3U		SV02				CNY	PP	PP		NVD	NCV
Airport of Destination			Requestor Flight/Date		Amount of Insurance		INSURANCE - If an optional insurance, and such insurance is requested in accordance with the conditions thereof, indicate amount to be insured in figures in box marked "Amount of Insurance".					
MOSCOW			3U8964 2018-07-24		AMOUNT							

Handling Information  
**Аэропорт назначения**

**Тариф**  
**Декларируемая стоимость**

No. of Pieces RCP	Gross Weight	kg	Rate Class	Chargeable Weight	Rate	Total	Nature and Quantity of Goods (incl. Dimensions or Volume)
6	1042 K		Q	1042 K	32.07	33416.94	ARTIST BRUSH 111*80*78*6
						33416.94	

**Фактический вес**  
**Платный вес**

**Описание груза и размеры**

**VOL: 4.160 CBM**

Prepaid Weight Charge Collect Other Charges

# Что такое IATA?

- Международная ассоциация воздушного транспорта
- *International Air Transport Association*



# Чем занимается ИАТА?

Объединяет широкую сеть:

Членов( 290 авиакомпаний)

Агентов ( Кто их считает?)

Выпускает различные пособия, а также рекомендации и правила по перевозке пассажиров и грузов. Работает над общей координацией авиа отрасли. Выпускает сборники тарифов.

# Кодификация ИАТА

- Кодификация аэропортов у каждого аэропорта есть уникальный трехзначный буквенный код Санкт-Петербург LED
- Кодификация авиалиний у каждой авиалинии есть двухзначный буквенный код SU Аэрофлот и трехзначный код являющийся префиксом в номере авианакладной



# Виды самолетов

- Узкофюзеляжный самолет Narrow Body Aircraft( один ряд кресел) ширина около 4 метров Boeing 737, Boeing 757, ИЛ-62,МС-21,Airbus320, Ту-154,204
- Широкофюзеляжный самолет Wide body Aircraft Boeing 747, 777,777х Airbus 300,310,330,340, 380, ИЛ-86,ИЛ-96

# Виды самолетов по назначению

- Пассажирские
- Грузопассажирские
- Грузовые (F)

# Загрузка самолета



# Загрузка самолета

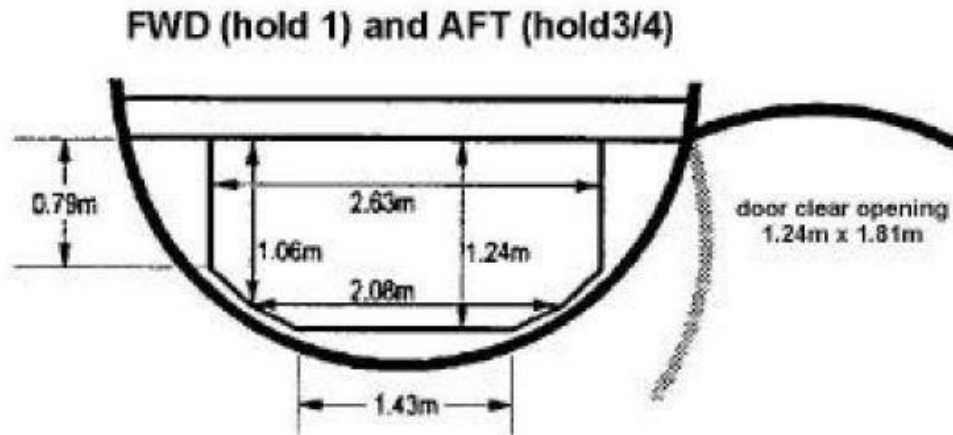


# Загрузка AirbusA320-321



# Размеры грузовых люков

- Airbus A 320-321 - 182\*124cm\*2, 95\*77cm



# Boeing 747 - 400 ERF

Maximum Length in Cm (Inch)						
Width	Height					
	0 -150 (0-59.1)	150 - 244 (59.1-96.0)	250 (98.4)	260 (102.4)	270 (106.3)	280 (110.2)
10 (3.9)	930 (366.1)	900 (354.3)	890 (350.4)	860 (338.6)	830 (326.8)	800 (315.0)
20 (7.9)	930 (366.1)	890 (350.4)	880 (346.5)	850 (334.6)	820 (322.8)	790 (311.0)
30 (11.8)	930 (366.1)	870 (342.5)	860 (338.6)	840 (330.7)	810 (318.9)	780 (307.1)
40 (15.7)	930 (366.1)	860 (338.6)	850 (334.6)	830 (326.8)	800 (315.0)	770 (303.1)
50 (19.7)	930 (366.1)	850 (334.6)	840 (330.7)	820 (322.8)	790 (311.0)	760 (299.2)
60 (23.6)	930 (366.1)	840 (330.7)	830 (236.8)	810 (318.9)	780 (307.1)	750 (295.3)
70 (27.6)	930 (366.1)	830 (326.8)	820 (322.8)	800 (315.0)	770 (303.1)	740 (291.3)
80 (31.5)	920 (362.2)	820 (322.8)	810 (318.9)	790 (311.0)	760 (299.2)	730 (287.4)
90 (35.4)	900 (354.3)	810 (318.9)	800 (315.0)	780 (307.1)	750 (295.3)	720 (283.5)
100 (39.4)	890 (350.4)	800 (315.0)	790 (311.0)	770 (303.1)	740 (291.3)	710 (279.5)
110 (43.3)	880 (346.5)	790 (311.0)	780 (307.1)	760 (299.2)	730 (287.4)	700 (275.6)
120 (47.2)	870 (342.5)	780 (307.1)	770 (303.1)	750 (295.3)	720 (283.5)	690 (271.6)
130 (51.2)	860 (338.6)	770 (303.1)	750 (295.3)	730 (287.4)	700 (275.6)	670 (263.8)
140 (55.1)	850 (334.6)	760 (299.2)	740 (291.3)	720 (283.5)	690 (271.7)	660 (259.8)
150 (59.1)	840 (330.7)	750 (295.3)	730 (287.4)	700 (275.6)	670 (263.8)	640 (252.0)
160 (63.0)	820 (322.8)	740 (291.3)	710 (279.5)	680 (267.7)	650 (255.9)	620 (244.1)
170 (66.9)	800 (315.0)	730 (287.4)	690 (271.6)	660 (259.8)	630 (248.0)	600 (236.2)
180 (70.9)	780 (307.1)	720 (283.5)	670 (263.8)	640 (252.0)	610 (240.2)	580 (228.3)
190 (74.8)	760 (299.2)	710 (279.5)	650 (255.9)	620 (244.1)	590 (232.3)	560 (220.5)
200 (78.7)	730 (287.4)	710 (279.5)	640 (252.0)	610 (240.2)	580 (228.3)	-
210 (82.7)	710 (279.5)	700 (275.6)	630 (248.0)	590 (232.3)	-	-
220 (86.6)	680 (267.7)	680 (267.7)	620 (244.1)	580 (228.3)	-	-
230 (90.6)	650 (255.9)	650 (255.9)	600 (236.2)	-	-	-
240 (94.5)	600 (236.2)	600 (236.2)	590 (232.3)	-	-	-
244 (96.0)	600 (236.2)	600 (236.2)	-	-	-	-

# Аэропорт Санкт-Петербурга

- Air France CDG Airbus A320-100/200
- Aegean Airlines Airbus A320-100/200
- AirBatic RIX **De Havilland Canada DHC-8-400 Dash 8Q**
- Air Astana ALA, ASTANA **Airbus A320-100/200**
- British Airways London LHR Airbus **A320-100/200**
- Belavia Minsk MSQ **Boeing 737-500**
- Azerbaidjan Airlines Baku **Embraer 190**
- Czech Airlines Prague PRG **Airbus A319**
- Emirates Dubai DXB **Boeing 777-300ER**
- FinAir HEL **Embraer 190**



# Аэропорт Санкт-Петербурга

- Georgian Airlines TBS
- Germania Dresden DRS
- Hainan Airlines PEK **Airbus A330-300**
- KLM AMS **Boeing 737-800 (winglets)**
- LOT WAW **Embraer 175**
- Lufthansa FRA **Airbus A321-100/200**
- Nordica Tallinn **Aerospatiale/Alenia ATR 72**
- Nordwind Airlines Moscow **Boeing 737-800 (winglets)**
- Qatar Airways **Doha Airbus A320-100/200**
- Scandinavian Airlines Stockholm **Boeing 737-700**

# Аэропорт Санкт-Петербурга

- China Southern Urumchi **Boeing 737-800**  
(winglets)
- Somon Air Dushambe
- Swiss Zurich **Airbus A320-100/200**
- TK IST **Airbus A321-100/200**
- Korean Air( CARGO) Freighter

# AWB

## NOTICE CONCERNING CARRIERS' LIMITATION OF LIABILITY

IF THE CARRIAGE INVOLVES AN ULTIMATE DESTINATION OR STOP IN A COUNTRY OTHER THAN THE COUNTRY OF DEPARTURE, THE MONTREAL CONVENTION OR THE WARSAW CONVENTION MAY BE APPLICABLE TO THE LIABILITY OF THE CARRIER IN RESPECT OF LOSS OF, DAMAGE OR DELAY TO CARGO. CARRIER'S LIMITATION OF LIABILITY IN ACCORDANCE WITH THOSE CONVENTIONS SHALL BE AS SET FORTH IN SUBPARAGRAPH 4 UNLESS A HIGHER VALUE IS DECLARED.

## CONDITIONS OF CONTRACT

1. In this contract and the Notices appearing hereon:

CARRIER includes the air carrier issuing this air waybill and all carriers that carry or undertake to carry the cargo or perform any other services related to such carriage.

SPECIAL DRAWING RIGHT (SDR) is a Special Drawing Right as defined by the International Monetary Fund.

WARSAW CONVENTION means whichever of the following instruments is applicable to the contract of carriage:

the Convention for the Unification of Certain Rules Relating to International Carriage by Air, signed at Warsaw, 12 October 1929;

that Convention as amended at The Hague on 28 September 1955;

that Convention as amended at The Hague 1955 and by Montreal Protocol No. 1, 2 or 4 (1975) as the case may be.

MONTREAL CONVENTION means the Convention for the Unification of Certain Rules for International Carriage by Air, done at Montreal on 28 May 1999.

2.2.1 Carriage is subject to the rules relating to liability established by the Warsaw Convention or the Montreal Convention unless such carriage is not "international carriage" as defined by the applicable Conventions.

2.2.2 To the extent not in conflict with the foregoing, carriage and other related services performed by each Carrier are subject to:

2.2.2.1 applicable laws and government regulations;

2.2.2.2 provisions contained in the air waybill, Carrier's conditions of carriage and related rules, regulations, and timetables (but not the times of departure and arrival stated therein) and applicable tariffs of such Carrier, which are made part hereof, and which may be inspected at any airports or other cargo sales offices from which it operates regular services. When carriage is left from the USA, the shipper and the consignee are entitled, upon request, to receive a free copy of the Carrier's conditions of carriage. The Carrier's conditions of carriage include, but are not limited to:

2.2.2.3 limits on the Carrier's liability for loss, damage or delay of goods, including fragile or perishable goods;

2.2.2.4 claims restrictions, including time periods within which shippers or consignees must file a claim or bring an action against the Carrier for its acts or omissions, or those of its agents;

2.2.2.3 rights, if any, of the Carrier to change the terms of the contract;

2.2.2.4 rules about Carrier's right to refuse to carry;

2.2.2.5 rights of the Carrier and limitations concerning delay or failure to perform service, including schedule changes, substitution of alternate Carrier or aircraft and rerouting;

3. The agreed stopping places (which may be altered by Carrier in case of necessity) are those places, except the place of departure and place of destination, set forth on the face hereof or shown in Carrier's timetables as scheduled stopping places for the route. Carriage to be performed hereunder by several successive Carriers is regarded as a single operation.

4. For carriage to which the Montreal Convention does not apply, Carrier's liability limitation for cargo lost, damaged or delayed shall be 19 SDRs per kilogram unless a greater per kilogram monetary limit is provided in any applicable Convention or in Carrier's tariffs or general conditions of carriage.

5.5.1 Except when the Carrier has extended credit to the consignee without the written consent of the shipper, the shipper guarantees payment of all charges for the carriage due in accordance with Carrier's tariff, conditions of carriage and related regulations, applicable laws (including national laws implementing the Warsaw Convention and the Montreal Convention), government regulations, orders and requirements.

5.2 When no part of the consignment is delivered, a claim with respect to such consignment will be considered even though transportation charges thereon are unpaid.

6.6.1 For cargo accepted for carriage, the Warsaw Convention and the Montreal Convention permit shipper to increase the limitation of liability by declaring a higher value for carriage and paying a supplemental charge if required.

6.2 In carriage to which neither the Warsaw Convention nor the Montreal Convention applies, Carrier shall, in accordance with the procedures set forth in its general conditions of carriage and applicable tariffs, permit shipper to increase the limitation of liability by declaring a higher value for carriage and paying a supplemental charge if so required.

7.7.1 In cases of loss of, damage or delay to part of the cargo, the weight to be taken into account in determining Carrier's limit of liability shall be only the weight of the package or packages concerned.

7.2 Notwithstanding any other provisions, for "foreign air transportation" as defined by the U.S. Transportation Code:

7.2.1 In the case of loss of, damage or delay to a shipment, the weight to be used in determining Carrier's limit of liability shall be the weight which is used to determine the charge for carriage of such shipment; and

7.2.2 In the case of loss of, damage or delay to a part of a shipment, the shipment weight;

7.2.1 shall be prorated to the packages covered by the same air waybill whose value is affected by the loss, damage or delay. The weight applicable in the case of loss or damage to one or more articles in a package shall be the weight of the entire package.

8 Any exclusion or limitation of liability applicable to Carrier shall apply to Carrier's agents, employees and representatives and to any person whose aircraft or equipment is used by Carrier for carriage and such person's agents, employees and representatives.

9 Carrier undertakes to complete the carriage with reasonable dispatch. Where Permitted by applicable laws, tariffs and government regulations, Carrier may use alternative carriers, aircraft or modes of transport without notice but with due regard to the interests of the shipper. Carrier is authorized by the shipper to select the routing and all intermediate stopping places that it deems appropriate or to change or deviate from the routing shown on the face hereof.

10 Receipt by the person entitled to delivery of the cargo without complaint shall be prima facie evidence that the cargo has been delivered in good condition and in accordance with the contract of carriage.

10.1 In the case of loss of, damage or delay to cargo a written complaint must be made to Carrier by the person entitled to delivery. Such complaint must be made:

10.1.1 in the case of damage to the cargo, immediately after discovery of the damage and at the latest within 14 days from the date of receipt of the cargo;

10.1.2 in the case of delay, within 21 days from the date on which the cargo was placed at the disposal of the person entitled to delivery;

10.1.3 in the case of non-delivery of the cargo, within 120 days from the date of issue of the air waybill, or if an air waybill has not been issued, within 120 days from the date of receipt of the cargo for transportation by the Carrier.

10.2 Such complaint may be made to the Carrier whose air waybill was used, or to the first Carrier or to the last Carrier or to the Carrier, which performed the carriage during which the loss, damage or delay took place.

10.3 Unless a written complaint is made within the time limits specified in 10.1 no action may be brought against Carrier.

10.4 Any rights to damages against Carrier shall be extinguished unless an action is brought within two years from the date of arrival at the destination, or from the date on which the aircraft ought to have arrived, or from the date on which the carriage stopped.

11. Shipper shall comply with all applicable laws and government regulations of any country to or from which the cargo may be carried, including those relating to the packing, carriage or delivery of the cargo, and shall furnish such information and attach such documents to the air waybill as may be necessary to comply with such laws and regulations. Carrier is not liable to shipper and shipper shall indemnify Carrier for loss or expense due to shipper's failure to comply with this provision.

12. No agent, employee or representative of Carrier has authority to alter, modify or waive any provisions of this contract.