



Росси́йская Федерация
Общество с ограниченной ответственностью
“Авиационная сервисная компания”

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г. Тюмень

Руководителю

Уважаемые господа,

Предлагаем к поставке новые, готовые к продаже воздушные суда (ВС) - вертолеты Ка-32А11ВС в модификации «Противопожарный» в количестве двух единиц, произведенные на заводе-изготовителе ОАО «Кумертауское авиационное производственное предприятие» (КумАПП), холдинга «Вертолеты России», в соответствии с международным Сертификатом типа EASA IM.R.133.

В модификацию вертолетов Ка-32А11ВС входит: оснащение системой внешней грузовой подвески, спасательная лебедка, громкоговорящее устройство, подготовка вертолета под установку противопожарной системы "Vambi-Bucket" или "Simplex", а также обучение двух пилотов и одного инженера из расчета на одну единицу техник

Срок поставки первого ВС – 4(четыре) месяца с момента оплаты контракта (по дополнительно согласованному графику).

1. Стоимость одного вертолета Ка-32А11ВС составляет 10 980 000 \$ (Долларов США) на условиях FCA г. Кумертау, Россия. По желанию, на вертолеты может быть установлено дополнительное оборудование, стоимость которого зависит от выбора Заказчика, и согласовывается дополнительно. Гарантийный срок завода-изготовителя на единицу техники составляет – 12 (Двенадцать) месяцев с момента передачи ВС, перечень услуг по послепродажной поддержке определяется контрактом.
2. Наружная окраска Воздушного судна будет выполнена Продавцом на основе цветофактурных решений и схемы окраски, предоставленных Заказчиком.
3. На момент поставки с Воздушным судном будет передан Заказчику один комплект эксплуатационно-технической документации на английском языке.

4. Надписи, таблички и трафареты на Воздушном судне выполняются на английском языке.

Доставка вертолетов Ка-32А11ВС до места базирования осуществляется отдельным договором. Доставка осуществляется грузовым самолетом в один из аэропортов по выбору заказчика.

Данное коммерческое предложение действительно до 20.09.2016г.

В случае Вашей заинтересованности, Мы готовы незамедлительно начать переговорный процесс по условиям поставки.

Год выпуска: 2016г

Полное время (ТТАФ) TTSN: 0 ТТ

Общее описание:

Новый, европейская гарантия, Вертолеты сертифицирован EASA

Планер наработка СНЭ: 0 часов, Ресурс 16000 ч / 30 лет /

Двигатели 2хTV3-117 VMA /2хТВ3-117ВМА/: 2013 - 0-10 часов, назначенное время срок службы: до 2025 года

Салон: стандартный серый.

Кузова: Белый, может быть окрашен по требования клиента

Авионика: стандартная авионика КА-32 вариант для пожаротушения

LIST of Helicopter and Goods to be supplied under the Contract

The Ka-32A11BC helicopter in standard configuration in accordance with Appendix No. 1, with Optional equipment as per Appendix No. 2, single set (1:1) of spare parts, ground support equipment and tools, and set of operation and maintenance publications.

Appendix No. 1

LIST OF MAIN VENDOR ITEMS INSTALLED ON Ka-32A11BC HELICOPTER

Description	Designation	Meas.	Q-ty
AIR CONDITIONING SYSTEM			

Description	Designation	Meas.	Q-ty
Absolute pressure regulation	4244-T	pcs	3
Temperature regulator	URT-20K	pcs	1
Electric actuator	MP-5I-18	pcs	5
Electric air thermometer	TV-19T	set	1
AUNOMATIC FLIGHT CONTROL SYSTEM			
Integrated flight system	PKV-252-IVA	pcs	1
RADIO EQUIPMENT			
Radio set (communication)	«Yadro-1Zh1»	set	1
Radio set VHF	«Yurok»	set	2
Intercom and switching equipment	P-510	set	1
ELECTRICAL EQUIPMENT			
AC generator	GT40PCh8B	pcs	2
Inverter 27/115	POS-1000B	pcs	1
Inverter 27/36	PTS-800 AM	pcs	1
Inverter	PTS-25M	pcs	1
Storage battery	20NKBN-25-TD-1-U3	pcs	2
SAFETY EQUIPMENT			
Emergency Locator Transmitter	ARM-406P	pcs	1
FIRE-EXTINGUISHING SYSTEM			
Fire extinguisher	1-3-3 Hladon 114V2 APS-6600-2300TU	pcs	2
Fire warning system	SSP-2A 2 ser.	set	2
Hand fire extinguisher	OR1-1-20-30	pcs	2
FUEL SYSTEM			
Fuel quantity gauge	TPR1-10D var.2	pcs	1
Electrically-driven centrifugal fuel pump	ETsN-75B	pcs	8

Description	Designation	Meas.	Q-ty
	or ETsN-75 BM		
HYDRAULIC SYSTEM			
Servo system	PC-60F	set	1
Auxiliary hydraulic pump	NS-46-2	set	1
Hydraulic pump	NP-92A5	pcs	2
Hand pump	NR-01/1	pcs	1
ANTI-ICING SYSTEM			
Ice detector	SO-121VM var. «a»	set	1
Current collector	TCV36M033	pcs	1
Ring programming switch	PKPS-1	pcs	1
General current collector	TS-7M	pcs	1
Windshields wiper electric mechanism	EPK-2T-75	pcs	2
Contractor	TKS133ODL	pcs	4
ПРИБОРНОЕ ОБОРУДОВАНИЕ			
INSTRUMENTATION EQUIPMENT			
Aircraft clock	ChAM-V or V18-956.22.05.1.A	pcs	1
Flight recorder	BUR-1-2V	set	1
Voice recorder	MARS-BM	set	1
Warning, caution and indication system	SAS-4M-26	set	1
TAKEOFF AND LANDING EQUIPMENT			
Main shock strut	330.4101-0-01	set	1
Nose shock strut	330.4201-0-01	set	1
Wheel with brake	KT-96A-2	pcs	2
Wheel without brake	K-329A	pcs	2
Tire 620x180	Model 3 or 3A	pcs	2
Tire 480x200	Model 14 or 14A	pcs	2
LIGHTING EQUIPMENT AND ANNUNCIATION			
Search and landing light	FPP-7M	pcs	3
Lamp beacon	MSL-3 2ser.	pcs	2

Description	Designation	Meas.	Q-ty
Navigation light (forward)	BANO-7M-K	pcs	1
Navigation light (forward)	BANO-7M-Zel	pcs	1
Control unit	BUANO-7	pcs	1
Navigation light (rear)	ANO-3-BL	pcs	1
FLIGHT CONTROL AND NAVIGATION EQUIPMENT			
ATC transponder	CO-72M	pcs	1
Restriction lights system	СОС-В1-32Э (с 2-мя УСВИ-200Э)	pcs	1
Radio Altimeter	A-036A	pcs	1
Compass system	«Greiben-2B»	set	1
Automatic direction finder	АПК-19	pcs	1
Air speed indicator	ДВС-24	pcs	1
Magnetic compass	КИ-13БС-1Е	pcs	1
Rate-of-climb indicator	p/n 7060	pcs	2
Gyrohorizon	АГР-74В-10 сер.2	pcs	2
Altimeter	p/n 5934PD-3	pcs	2
Electromechanical altimeter	ВБЭ-СВС-ЦМ	pcs	1
Revolution per minute indicator	ИТЕ-1ТС-М	pcs	1
Attitude indicator	IN-4B	pcs	1
AUXILIARY POWER UNIT			
APU Engine	AI-9	pcs	1
ROTOR			
Upper rotor blade	500.2906.6000.000	pcs	3
Lower rotor blade	500.2906.7000.000	pcs	3
Rotor mast	D2B2000-0/B	set	1
ROTOR TRANSMISSION			

Description	Designation	Meas.	Q-ty
Main gearbox	VR-252 version 076.50.0000-01	pcs	1
ENGINE			
Engine	ТВ3-117ВМА сер.02 сертиф/certif.	pcs	2
OXIGEN EQUIPMENT			
Oxygen supply unit	ВКР-2-2-210	set	2
Oxygen smoke protection mask with bag ТК-9022-150-1	DKM-1M (with bag)	pcs	2
Adapter hose	ShP-1-1500	pcs	2
Charging hose	RZ-2	pcs	1
БЫТОВОЕ ОБОРУДОВАНИЕ FURNISHINGS			
Fans in cockpit	ДВ-302Т	pcs	3
Interior panels and lighting of transportation cabin	521.0100.4000.324	set	1

Note:

1. Designations of the items in English are given for convenience of correspondence only.
2. As per recommendation of Designer General the Supplier has the right to change the mentioned quality of vendor items and aggregates installed on the Helicopter. The changes happen without change of the cost of the Helicopter.
3. The Supplier reserves the right to replace specified items for the similar ones with the technical performance and operational characteristics not worth than those specified in the list and in accordance with the Helicopter configuration. The changes happen without change of the cost of the Helicopter.

Appendix No. 2

LIST OF OPTIONAL EQUIPMENT INSTALLED ON Ka-32A11BC HELICOPTER

(included in the helicopter's cost)

No.	Description	Designation	Unit of measure	Qty
1	Transport equipment:			
1.1	Mooring unit	501.9650.0100.000	pcs	24
1.2	Mooring belt	324.04.9650.0030.000	pcs	4
1.3	Mooring belt	324.04.9650.0030.001	pcs	2
1.4	Mooring belt	324.04.9650.0030.003	pcs	6
1.5	Grid for cargo transportation on external sling	500.9660.0000.000	pcs	1
1.6	External cargo sling	323.9600.9000.000	set	1
1.7	Stopper ring installation	501.0100.3700.000	pcs	1
2	Furnishings:			
2.1	Instrument flying binds	500.7910.1100.000	set	1
2.2	Comfortable ergonomic operator's seat	323.7500.0900.000	pcs	1
2.3	Sun visor	500.7910.0200.000	set	1
3	Skis:			
3.1	Main landing gear skis	521.4711.0000.000	set	1
3.2	Nose landing gear skis	521.4712.0000.000	set	1
4	Installation of:			
4.1	Protection unit (netting)	323.6580.0000.000	set	1
4.2	Seats in transportation cabin with fastening system 13 pcs.	523.7510.1000.324.01 323.7510.1400.000	set	1
4.3	Dual control	324.5000.0000.005	set	1
4.4	Armrest	323.7910.0200.000	pcs	1
4.5	Headset	GSSh-A-18	pcs	1
4.6	Rear view mirror	501.7910.1800.000	set	1
4.7	Cockpit windshield wipers	500.7402.0000.000	set	1

General Information

The Ka-32A11BC multirole helicopter is a recognised leader in its class. The helicopter is designed for special search and rescue operations, building tall structures, transporting cargo internally and on an external sling, logging, medevac and complex fire-fighting missions, as well as on patrol and to support during law enforcement operations.

Main features of the Ka-32A11BC:

- Coaxial design and the absence of a tail rotor mean that it is compact, high power, highly manoeuvrable and very easy to handle.
- High load capacity – it can carry up to 5 tonnes on its external sling.
- It is equipped with the latest avionics systems.
- It is very economical – with low operating costs, and an extended service life of 32,000 flight hours.

The Ka-32A11BC can operate efficiently in dense urban areas, difficult to access mountainous and forested regions, and can also land on small vessels, drilling platforms, and on un-prepared, hard to access sites. Operated by a single pilot, the cabin can be fitted with additional task-specific equipment.

The Ka-32A11BC meets FAR-29, AP-29 requirements, and is EASA certified. It is operated Portugal, Russia, South Korea, Spain and Switzerland.

- The firefighting Ka-32A11BC helicopter boasts over 40 different successfully in Austria, Azerbaijan, Brazil, Canada, China, Indonesia, Japan, Kazakhstan, options for firefighting equipment – including the Bambi-Bucket and Simplex systems, and water cannon for horizontal firefighting. It can fight fires in heavy smoke, on the upper floors of high-rise buildings, and on oil and gas industry facilities. The Ka-32A11BC is recognised by experts as one of the finest firefighting helicopters in the world, and is a symbol of the Global Helicopter Firefighting Initiative, a programme aimed at increasing the efficiency of specialised firefighting helicopters kitted out with suspended fire-fighting systems, water cannons and other fire-fighting equipment.
- The Ka-32A11BC is indispensable in complex construction works, due to the absence of a tail rotor, its precision hover ability, great manoeuvrability and carrying capacity.
- The search and rescue Ka-32A11BC inherited the best features from the naval ship-based Ka-27PS, which formed the basis for its design. It can operate in very damp conditions and displays great resilience to the aggressive marine environment. The Ka-32A11BC’s particular design enables it to fly in high turbulence and stormy conditions, making it ideally suited to carrying out search and rescue operations in critical situations.
- The Ka-32A11BC can be equipped with a medical module comprising the latest intensive care equipment. Thanks to this, resuscitation and life support can be performed in-flight, when it is being used to transport the sick and injured.
- In supporting the police and special forces, the Ka-32A11BC can be fitted with modern surveillance equipment, tracking and loudhailer communications, and can be used to transport a landing force. Its high-precision hover capacity and manoeuvrability make it more effective in urban situations.

Performance	
Max. speed	260 km/h
Cruise speed (at maximum range)	200 km/h

Cruise speed (at maximum continuous engine power)	245 km/h
Maximum flight range with main fuel tanks	650 km
Maximum flight height	5,000 m
Weight Parameters	
Max. take-off weight	11,000 kg
With underslung load	12,700 kg
Max. Payload, kg	
in transport cabin	3,700
on external sling	5,000
Engines 2xTV3-117 VMA	
Take-off power	2,200 h. p.
Contingency power	2,400 h. p.
Dimensions of Cargo Cabin:	
Length	4520 mm
Maximum floor width	1,300 mm
Height	1,240 mm
Volume	7.3 m ³
Capacity:	
Air crew	1–2 persons
Service passengers	up to 13 persons





с уважением,

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