

# Shenyang JJ-2 and FT-2



The Shenyang JJ-2 was a trainer, a licensed copy of the MiG-15UTI.

Many Soviet-built MiG-15bis fighters served in the PLAAF under the designation J-2, but unlike the JJ-2 the J-2 was not manufactured in China.

## Versions

### **JJ-2 and FT-2**

The Shenyang JJ-2 was a licensed copy of the MiG-15UTI trainer. The MiG-15UTI in turn was essentially a MiG-15 with a second cockpit and reduced armament. The FT-2 was the export version of the JJ-2. The NATO reporting name is Midget.

It was used extensively by the PLAAF and PLAN.

## Armament and Stores

It is conceivable that the JJ-2 used the same stores as the MiG-15, especially 250L FTs.

## Combat

The PLAN used the JJ-2 to attempt to intercept ROCAF overflights around 1960.

## ADCs

- Shenyang JJ-2
- Shenyang FT-2

## See Also

- Mikoyan-Gurevich MiG-15

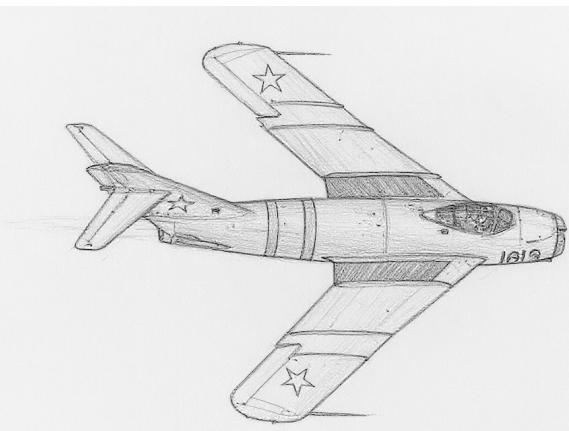
## Photo Credit

- MiG-15UTI: wallycacsabre (CC-BY-2.0)

<b>Shenyang JJ-2</b>										<b>Crew:</b> Pilot and Observer			
										<b>Maneuver HFPs/DPs:</b>			
<b>Power APs/DPs/FPs:</b> ○										LR/DR	1.0	1.5	
AB CL 1/2 DT Fuel										VR	0.5		
M	1.5	1.0	1.0	1.0						<b>Turn DPs:</b>			
N	0.0	0.0	0.0	0.5						CL	1/2	DT	
I	0.5	0.5	0.5	0.0						TT	0.0	1.0	1.0
SPBR	0.5	0.5	1.0	—						HT	1.0	1.0	1.0
										BT	2.0	3.0	3.0
										ET	—	—	—

<b>Shenyang FT-2</b>					Crew: Pilot and Observer				
					<b>Maneuver HFPs/DPs:</b>				
<b>Power APs/DPs/FPs:</b> ○					LR/DR	1.0	1.5		
					VR	—	0.5		
					<b>Turn DPs:</b>				
					CL	1/2	DT		
					TT	0.0	1.0	1.0	
					HT	1.0	1.0	1.0	
					BT	2.0	3.0	3.0	
					ET	—	—	—	

# Shenyang J-5 and F-5



The Shenyang J-5 was a day fighter, interceptor, and trainer. The initial versions were licensed copies of the MiG-17F and PF, but the JJ-5 trainer was a subsequent independent development.

A number of Soviet-built MiG-17s served in the PLAAF as the J.4, but this version was not manufactured in China.

## Versions

### J-5 and F-5

The J-5 (also known as the Type 56 and the Dongfeng-101) was a licensed copy of the MiG-17F day fighter. It was produced from about 1956 until about 1969. The F-5 was the export version of the J-5. The NATO reporting name for both is Fresco-C.

The J-5 served with the PLAAF and PLAN, alongside the original MiG-17PF, from 1956 until about 1990. It was also exported to the air forces of Albania, Bangladesh, Cambodia, Indonesia, North Korea, Pakistan, Sri Lanka, Sudan, Vietnam, and Zambia.

### J-5A

The J-5 was a licensed copy of the MiG-17PF interceptor. It was produced from about 1964 until about 1969. The J-5A was apparently not exported. The NATO reporting name for both is Fresco-D.

The J-5A served with the PLAAF, alongside the original MiG-17PF, from 1964 until about 1990.

### JJ-5 and FT-5

The JJ-5 was a trainer developed by Shenyang and based on the J-5. It has a similar cockpit configuration to the MiG-15UTI, the non-afterburning Klimov VK-1A engine from the early MiG-17, and retained only the belly 23 mm cannon. The FT-5 was the export version of the JJ-5.

The J-5 served with the PLAAF and PLAN from 1968. It was also exported to the air forces of Albania, Bangladesh, North Korea, Pakistan, Sudan, Tanzania, Zambia, and Zimbabwe.

## Armament and Stores

Typical load for an air-to-air missile would be fuel tanks for endurance or, from 1961, two AA-2 IRMs. A typical load for air-to-ground missions was two 250 kg bombs.

## Combat

Chinese J-5s and J-5As saw combat against ROCAF aircraft in the late 1950s and early 1960s. Vietnamese F-5s (alongside original MiG-17Fs) were used by the VNAF during and after the Vietnam War.

## ADCs

- Shenyang J-5
- Shenyang F-5
- Shenyang J-5A
- Shenyang JJ-5
- Shenyang FT-5

## See Also

- Mikoyan-Gurevich MiG-17

## Photo Credit

- MiG-17: Balon Greyjoy (Public Domain)

<b>Shenyang J-5</b>										<b>Crew:</b> Pilot											
										<b>Maneuver HFPs/DPs:</b>											
<b>Power APs/DPs/FPs:</b> ○										LR/DR	1.0	1.5									
CL 1/2 DT Fuel										VR	0.5										
AB	2.5	2.0	2.0	3.0						<b>Turn DPs:</b>											
M	1.5	1.5	1.0	1.0						CL	1/2	DT									
N	0.0	0.0	0.0	0.5						TT	0.0	0.0	1.0								
I	0.5	0.5	1.0	0.0						HT	1.0	1.0	1.0								
SPBR	0.5	0.5	1.0	—						BT	2.0	2.0	3.0								
										ET	3.0	3.0	—								
										No lag or displacement rolls if speed ≥ 5.0.											
<b>Speeds and Ceilings</b>						<b>Climb Capabilities</b>															
Alt. Band	Conf. Ceil.	CL 54	1/2 50	DT 46	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth	Alt. Band												
EH+	46+	3.0 – 6.0	3.0 – 5.5	3.5 – 5.0	6.5	1.0 0.5	1.0 0.5	1.0 0.5	EH+												
VH	36–45	2.5 – 6.0	3.0 – 5.5	3.0 – 5.0	6.5	1.0 0.5	1.0 0.5	1.0 0.5	VH												
HI	26–35	2.0 – 6.0	2.5 – 6.0	2.5 – 5.5	7.0	1.5 0.5	1.0 0.5	1.0 0.5	HI												
MH	17–25	1.5 – 6.5	2.0 – 6.0	2.0 – 5.5	7.0	1.5 1.0	1.5 0.5	1.0 0.5	MH												
ML	8–16	1.0 – 7.0	1.5 – 6.5	1.5 – 5.5	7.5	2.0 1.0	1.5 1.0	1.5 0.5	ML												
LO	0–7	1.0 – 6.5	1.5 – 6.0	1.5 – 5.5	7.5	2.0 1.0	2.0 1.0	1.5 1.0	LO												
<b>Radar:</b> —		<b>ECM:</b> IFF	<b>Weapon Stations Diagram:</b>																		
ECCM: —		RWR: —																			
Arcs: —		DDS: —																			
Search: —		DJM: —																			
Track: —		AJM: —																			
Lock-On: —		BJM: —																			
<b>Guns:</b> Two 23 mm NR-23 One 37 mm N-37		<b>Technology:</b> None			<b>Load Point Limits:</b> CL : 0–2 1/2: 3–4																
To Hit: 4/2/1					<b>Weight Limit:</b> 2,500 DT : 5+																
Ammunition: 3.0					<b>Station</b> Limit Allowed Loads																
Gunsight: TT+0/HT+2/BT+3					1 and 2 700 BB RK RP FT IRM																
Ranging: —					<b>Load Notes:</b>																
AtA/AtG: 5/4					1. May use 250L, 300L, 400L, or 600L FTs. As an exception to the normal rules for load limits, 600L tanks can be carried, but the turn rate is limited to BT. 2. From 1961, may use AA-2 IRMs.																
<b>Bomb System:</b> Manual																					
<b>Notes:</b>																					
1. The Shenyang J-5 is a day fighter. It is licensed version of the MiG-17F. The NATO reporting name for the aircraft is Fresco-C. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.																					
<b>VPs:</b> 11/7/4/2										v1.0000000 0000-00-00T00:00:00											

<b>Shenyang F-5</b>										<b>Crew:</b> Pilot						
										<b>Maneuver HFPs/DPs:</b>						
<b>Power APs/DPs/FPs:</b> ○										LR/DR	1.0	1.5				
CL 1/2 DT Fuel										VR	0.5					
AB	2.5	2.0	2.0	3.0						<b>Turn DPs:</b>						
M	1.5	1.5	1.0	1.0						CL	1/2	DT				
N	0.0	0.0	0.0	0.5						TT	0.0	0.0	1.0			
I	0.5	0.5	1.0	0.0						HT	1.0	1.0	1.0			
SPBR	0.5	0.5	1.0	—						BT	2.0	2.0	3.0			
										ET	3.0	3.0	—			
										No lag or displacement rolls if speed ≥ 5.0.						
<b>Speeds and Ceilings</b>						<b>Climb Capabilities</b>										
Alt. Band	Conf. Ceil.	CL 54	1/2 50	DT 46	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth	Alt. Band							
EH+	46+	3.0 – 6.0	3.0 – 5.5	3.5 – 5.0	6.5	1.0 0.5	1.0 0.5	1.0 0.5	EH+							
VH	36–45	2.5 – 6.0	3.0 – 5.5	3.0 – 5.0	6.5	1.0 0.5	1.0 0.5	1.0 0.5	VH							
HI	26–35	2.0 – 6.0	2.5 – 6.0	2.5 – 5.5	7.0	1.5 0.5	1.0 0.5	1.0 0.5	HI							
MH	17–25	1.5 – 6.5	2.0 – 6.0	2.0 – 5.5	7.0	1.5 1.0	1.5 0.5	1.0 0.5	MH							
ML	8–16	1.0 – 7.0	1.5 – 6.5	1.5 – 5.5	7.5	2.0 1.0	1.5 1.0	1.5 0.5	ML							
LO	0–7	1.0 – 6.5	1.5 – 6.0	1.5 – 5.5	7.5	2.0 1.0	2.0 1.0	1.5 1.0	LO							
<b>Radar:</b>		—	<b>ECM:</b>	IFF	<b>Weapon Stations Diagram:</b>											
ECCM:		—	RWR:	—												
Arcs:		—	DDS:	—												
Search:		—	DJM:	—												
Track:		—	AJM:	—												
Lock-On:		—	BJM:	—												
<b>Guns:</b>		Two 23 mm NR-23 One 37 mm N-37	<b>Technology:</b> None		<b>Load Point Limits:</b>											
To Hit:		4/2/1			CL : 0–2 1/2: 3–4											
Ammunition:		3.0			<b>Weight Limit:</b> 2,500											
Gunsight:		TT+0/HT+2/BT+3			<b>Station</b> 1 and 2											
Ranging:		—			Limit 700											
AtA/AtG:		5/4			Allowed Loads BB RK RP FT IRM											
<b>Bomb System:</b>		Manual	<b>Load Notes:</b>													
<b>Notes:</b>					1. May use 250L, 300L, 400L, or 600L FTs. As an exception to the normal rules for load limits, 600L tanks can be carried, but the turn rate is limited to BT. 2. From 1961, may use AA-2 IRMs.											
										<b>VPs:</b> 11/7/4/2						
										v1.0000000 0000-00-00T00:00:00						

<b>Shenyang J-5A</b>										<b>Crew:</b> Pilot			
					<b>Maneuver HFPs/DPs:</b>								
<b>Power APs/DPs/FPs:</b> ○					LR/DR	1.0	1.5	VR	0.5				
CL 1/2 DT Fuel										<b>Turn DPs:</b>			
AB	2.5	2.0	2.0	3.0	CL	1/2	DT	TT	0.0	0.0	1.0		
M	1.5	1.5	1.0	1.0	HT	1.0	1.0	BT	2.0	2.0	3.0		
N	0.0	0.0	0.0	0.5	ET	3.0	3.0	—					
I	0.5	0.5	1.0	0.0	Cruise Speed: 4.5 Restr. Arcs: 180L								
SPBR	0.5	0.5	1.0	—	Climb Speed: 3.5	Blind Arcs: 30–	Visibility: 4 Internal Fuel: 130	Size: +1 AtA Refuel: No	Vulnerability: +1 Ejection Seat: Early	No lag or displacement rolls if speed ≥ 5.0.			
<b>Speeds and Ceilings</b>						<b>Climb Capabilities</b>							
Alt. Band	Conf. Ceil.	CL 54	1/2 50	DT 46	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth	Alt. Band				
EH+	46+	3.0 – 6.0	3.0 – 5.5	3.5 – 5.0	6.5	1.0 0.5	1.0 0.5	1.0 0.5	EH+				
VH	36–45	2.5 – 6.0	3.0 – 5.5	3.0 – 5.0	6.5	1.0 0.5	1.0 0.5	1.0 0.5	VH				
HI	26–35	2.0 – 6.0	2.5 – 6.0	2.5 – 5.5	7.0	1.5 0.5	1.0 0.5	1.0 0.5	HI				
MH	17–25	1.5 – 6.5	2.0 – 6.0	2.0 – 5.5	7.0	1.5 1.0	1.5 0.5	1.0 0.5	MH				
ML	8–16	1.0 – 7.0	1.5 – 6.5	1.5 – 5.5	7.5	2.0 1.0	1.5 1.0	1.5 0.5	ML				
LO	0–7	1.0 – 6.5	1.5 – 6.0	1.5 – 5.5	7.5	2.0 1.0	2.0 1.0	1.5 1.0	LO				
<b>Radar:</b> RP-1 Izumrud				<b>ECM:</b>	IFF	<b>Weapon Stations Diagram:</b>							
ECCM:	0			RWR:	—								
Arcs:	Limited			DDS:	—								
Search:	18–6			DJM:	—								
Track:	6–6			AJM:	—								
Lock-On:	6			BJM:	—								
<b>Guns:</b> Three 23 mm NR-23				<b>Technology:</b>		<b>Load Point Limits:</b>							
To Hit:	5/3/2			None		CL : 0–2							
Ammunition:	3.0					1/2: 3–4							
Gunsight:	TT+0/HT+2/BT+3					<b>Weight Limit:</b> 2,500							
Ranging:	RE					DT : 5+							
AtA/AtG:	5/5					<b>Station</b> Limit Allowed Loads							
<b>Bomb System:</b> Manual				1 and 2		700 BB RK RP FT IRM							
<b>Notes:</b>													
1. The Shenyang J-5A is an interceptor. It is a licensed version of the MiG-17PF. The NATO reporting name for the aircraft is Fresco-D and for the radar is Scan Odd.													
2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.													
<b>VPs:</b> 12/8/4/2										v1.0000000 0000-00-00T00:00:00			

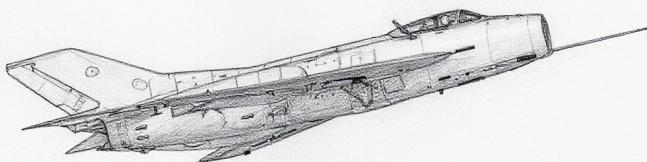
<b>Shenyang JJ-5</b>										<b>Crew:</b> Pilot and Observer		
<b>Power APs/DPs/FPs:</b> ○										<b>Maneuver HFPs/DPs:</b>		
AB CL 1/2 DT Fuel										LR/DR	1.0	1.5
M 1.5 1.5 1.0 1.0										VR		0.5
N 0.0 0.0 0.0 0.5										<b>Turn DPs:</b>		
I 0.5 0.5 1.0 0.0										CL	1/2	DT
SPBR 0.5 0.5 1.0 —										TT	0.0	0.0
										HT	1.0	1.0
										BT	2.0	2.0
										ET	3.0	3.0
										No lag or displacement rolls if speed ≥ 5.0.		

<b>Speeds and Ceilings</b>						<b>Climb Capabilities</b>					
Alt. Band	Conf. Ceil.	CL 54	1/2 50	DT 46	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth	Alt. Band		
EH+	46+	3.0 – 6.0	3.0 – 5.5	3.5 – 5.0	6.5	— 0.5	— 0.5	— 0.5	EH+		
VH	36–45	2.5 – 6.0	3.0 – 5.5	3.0 – 5.0	6.5	— 0.5	— 0.5	— 0.5	VH		
HI	26–35	2.0 – 6.0	2.5 – 6.0	2.5 – 5.5	7.0	— 0.5	— 0.5	— 0.5	HI		
MH	17–25	1.5 – 6.5	2.0 – 6.0	2.0 – 5.5	7.0	— 1.0	— 0.5	— 0.5	MH		
ML	8–16	1.0 – 7.0	1.5 – 6.5	1.5 – 5.5	7.5	— 1.0	— 1.0	— 0.5	ML		
LO	0–7	1.0 – 6.5	1.5 – 6.0	1.5 – 5.5	7.5	— 1.0	— 1.0	— 1.0	LO		

<b>Radar:</b> —	<b>ECM:</b> IFF	<b>Weapon Stations Diagram:</b>																				
ECCM: —	RWR: —																					
Arcs: —	DDS: —																					
Search: —	DJM: —																					
Track: —	AJM: —																					
Lock-On: —	BJM: —																					
<b>Guns:</b> One 23 mm NR-23	<b>Technology:</b> None	<b>Load Point Limits:</b>									CL : 0–2											
To Hit: 4/2/1		1/2: 3–4																				
Ammunition: 3.0		<b>Weight Limit:</b> 2,500									DT : 5+											
Gunsight: TT+0/HT+2/BT+3		<b>Station</b> 1 and 2									Limit 700	Allowed Loads BB RK RP FT IRM										
Ranging: —		<b>Load Notes:</b>																				
AtA/AtG: 3/2		1. May use 250L, 300L, 400L, or 600L FTs. As an exception to the normal rules for load limits, 600L tanks can be carried, but the turn rate is limited to BT. 2. From 1961, may use AA-2 IRMs.																				
<b>Bomb System:</b> Manual																						
<b>Notes:</b>																						
1. The Shenyang JJ-5 is a trainer. It is a development of the J-5, with a similar cockpit config to the MiG-15UTI, the non-afterburning Klimov VK-1A engine from the early MiG-17, and retained only the belly 23 mm cannon. 2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.																						
<b>VPs:</b> 11/7/4/2										v1.0000000 0000-00-00T00:00:00												

<b>Shenyang FT-5</b>										<b>Crew:</b> Pilot and Observer							
					<b>Maneuver HFPs/DPs:</b>												
<b>Power APs/DPs/FPs:</b> ○					LR/DR	1.0	1.5	VR	0.5								
CL 1/2 DT Fuel										<b>Turn DPs:</b>							
AB	—	—	—	—	CL	1/2	DT	TT	0.0	0.0	1.0						
M	1.5	1.5	1.0	1.0	HT	1.0	1.0	BT	2.0	2.0	3.0						
N	0.0	0.0	0.0	0.5	ET	3.0	3.0	—									
I	0.5	0.5	1.0	0.0	Cruise Speed: 4.5 Restr. Arcs: 180L					No lag or displacement rolls if speed ≥ 5.0.							
SPBR	0.5	0.5	1.0	—	Climb Speed: 3.5	Blind Arcs: 30–	Visibility: 4 Internal Fuel: 130	Size: +1 AtA Refuel: No	Vulnerability: +1 Ejection Seat: Early								
<b>Speeds and Ceilings</b>																	
Alt. Band	Conf. Ceil.	CL 54	1/2 50	DT 46	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth	Alt. Band	<b>Climb Capabilities</b>							
EH+	46+	3.0 – 6.0	3.0 – 5.5	3.5 – 5.0	6.5	— 0.5	— 0.5	— 0.5	EH+								
VH	36–45	2.5 – 6.0	3.0 – 5.5	3.0 – 5.0	6.5	— 0.5	— 0.5	— 0.5	VH								
HI	26–35	2.0 – 6.0	2.5 – 6.0	2.5 – 5.5	7.0	— 0.5	— 0.5	— 0.5	HI								
MH	17–25	1.5 – 6.5	2.0 – 6.0	2.0 – 5.5	7.0	— 1.0	— 0.5	— 0.5	MH								
ML	8–16	1.0 – 7.0	1.5 – 6.5	1.5 – 5.5	7.5	— 1.0	— 1.0	— 0.5	ML								
LO	0–7	1.0 – 6.5	1.5 – 6.0	1.5 – 5.5	7.5	— 1.0	— 1.0	— 1.0	LO								
<b>Radar:</b> —				<b>ECM:</b> IFF	<b>Weapon Stations Diagram:</b>												
ECCM: —				RWR: —													
Arcs: —				DDS: —													
Search: —				DJM: —													
Track: —				AJM: —													
Lock-On: —				BJM: —													
<b>Guns:</b> One 23 mm NR-23				<b>Technology:</b> None				<b>Load Point Limits:</b>									
To Hit: 4/2/1								CL : 0–2									
Ammunition: 3.0								1/2: 3–4									
Gunsight: TT+0/HT+2/BT+3								<b>Weight Limit:</b> 2,500									
Ranging: —								DT : 5+									
AtA/AtG: 3/2								<b>Station</b> Limit Allowed Loads									
<b>Bomb System:</b> Manual								1 and 2	700	BB RK RP FT IRM							
<b>Notes:</b>																	
1. The Shenyang FT-5 is a trainer. It is a development of the J-5, with a similar cockpit configure to the MiG-15UTI, the non-afterburning Klimov VK-1A engine from the early MiG-17, and retained only the belly 23 mm cannon. It is the export version of the JJ-5.																	
2. High transonic drag (HTD). Low roll rate (LRR) if speed ≥ 4.0.																	
<b>VPs:</b> 11/7/4/2										v1.0000000 0000-00-00T00:00:00							

# Shenyang J-6 and F-6



The Shenyang J-6 was a day fighter, interceptor, and trainer. It was derived from the MiG-19.

## Versions

### J-6 and F-6

The J-6 was a day fighter similar to the MiG-19S. It was manufactured starting in 1961 and continued at least into the 1980s. The F-6 was the export version.

The J-6 was a mainstay of the PLAAF and PLAN until replaced by more modern types in the late 1990s. The F-6 was exported to Albania, Bangladesh, Cambodia, Egypt, Iran, Iraq, Myanmar, North Korea, Pakistan, Sudan, Somalia, Tanzania, Vietnam, and Zambia.

The F-6 was used by the Pakistan Air Force from 1965 to 2002, and was modified with a more modern ejector seat, two additional weapon stations wired to carry AIM-9 IRMs, and the ability to carry a special ventral fuel tank.

### J-6A

The J-6A was an interceptor similar to the MiG-19P. It was manufactured starting in 1958. From 1975, it could be equipped with PL-2 IRMs.

The J-6A served with the PLAAF.

### J-6B

The J-6B was a missile-armed interceptor similar to the MiG-19PM and equipped with PL-1 BRMs.

The J-6B served with the PLAAF.

### J-6C and F-6C

The J-6C was a later version of the J-6, with the brake parachute moved to a fairing at the base of the rudder and other minor changes. The F-6C was the export version.

The J-6C served with the PLAAF. The F-6C was exported to Somalia, Sudan, and Tanzania.

### JJ-6 and FT-6

The Shenyang JJ-6 was a trainer. It was a modified version of the Shenyang J-6, with a second cockpit and only one cannon. The FT-6 was the export version.

The JJ-6 was used by the PLAAF. The FT-6 was used by Albania, Egypt, Pakistan, Somalia, Sudan, Tanzania, and Zambia.

## Armament and Stores

The two internal 30 mm cannons were the primary air-to-air weapons in the early years. In later years, these were supplemented by PL-2 IRMs in the J-6A and PL-1 BRMs in the J-6B. F-6s in the Pakistan Air Force also carried AIM-9 IRMs.

For air-to-ground missions, typical loads would be 500 lb or 250 kg bombs and ORO-57 rocket pods.

Given the short endurance on internal fuel, 760L fuel tanks were carried on almost all missions.

## Combat

Chinese PLAAF J-6s shot down a USAF F-104C that had strayed over Hainan Island in 1965. PLAAF J-6s engaged ROCAF F-104Gs during the 1967 Taiwan Strait Conflict.

The F-6 saw combat with the Pakistan Air Force in the 1971 Indo-Pakistan War, with the VPAF from 1969 until the fall of South Vietnam in 1975, with the Tanzanian Air Force in the 1978-1979 Uganda-Tanzania War, with both sides in the Iran-Iraq War, with the Somali Air Force in border skirmishes with Ethiopia in 1981 and later during the Somali Rebellion, and with the Sudanese Air Force in the Second Sudanese Civil War in the 1980s and early 1990s.

## ADCs

- Shenyang J-6
- Shenyang F-6
- Shenyang F-6 (PAF)
- Shenyang J-6A
- Shenyang J-6B
- Shenyang J-6C
- Shenyang F-6C
- Shenyang JJ-6
- Shenyang FT-6

## **See Also**

- Mikoyan-Gurevich MiG-19

## **Photo Credit**

- J-6: Alert5 (CC BY-SA 4.0)

<b>Shenyang J-6</b>								<b>Crew:</b> Pilot							
								<b>Maneuver HFPs/DPs:</b>							
<b>Power APs/DPs/FPs:</b> ○○								LR/DR	1.0	1.0					
CL 1/2 DT Fuel								VR	0.5						
AB	3.5	3.0	2.5	5.0					<b>Turn DPs:</b>						
M	2.5	2.0	2.0	2.0					CL	1/2	DT				
N	0.0	0.0	0.0	1.0					TT	1.0	1.0				
I	0.5	0.5	0.5	0.0					HT	2.0	2.0				
SPBR	0.5	1.0	1.0	—					BT	3.0	3.0				
				Cruise Speed: 5.5 Restr. Arcs: 60–											
				Climb Speed: 4.5 Blind Arcs: 30–											
				Visibility: 5 Internal Fuel: 180											
				Size: +0 AtA Refuel: No											
				Vulnerability: +1 Ejection Seat: Early											
<b>Speeds and Ceilings</b>						<b>Climb Capabilities</b>									
Alt. Band	Conf. Ceil.	CL 58	1/2 53	DT 48	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth	Alt. Band						
EH+	46+	3.5 – 8.0	4.0 – 7.5	4.5 – 7.0	10.0	1.0 0.5	1.0 0.5	1.0 0.5	EH+						
VH	36–45	3.0 – 8.5	3.5 – 8.0	4.0 – 7.0	10.0	1.0 0.5	1.0 0.5	1.0 0.5	VH						
HI	26–35	3.0 – 9.0	3.0 – 8.0	3.0 – 7.5	10.0	2.0 0.5	1.0 0.5	1.0 0.5	HI						
MH	17–25	2.5 – 8.5	3.0 – 8.0	3.0 – 7.0	9.0	3.0 1.0	2.0 1.0	1.0 0.5	MH						
ML	8–16	2.5 – 7.5	2.5 – 7.0	2.5 – 6.5	8.5	4.0 2.0	3.0 1.0	2.0 1.0	ML						
LO	0–7	2.0 – 7.0	2.5 – 6.5	2.5 – 6.0	8.0	5.0 2.0	4.0 1.0	3.0 1.0	LO						
<b>Radar:</b> —				<b>ECM:</b> IFF				<b>Weapon Stations Diagram:</b>							
ECCM: —				RWR: A											
Arcs: —				DDS: —											
Search: —				DJM: —											
Track: —				AJM: —											
Lock-On: —				BJM: —											
<b>Guns:</b> Three 30 mm NR-30				<b>Technology:</b>				<b>Load Point Limits:</b>							
To Hit: 6/3/2				None				CL : 0–2							
Ammunition: 2.5								1/2: 3–6							
Gunsight: TT+0/HT+2/BT+3								<b>Weight Limit:</b> 3,900							
Ranging: —								DT : 7+							
AtA/AtG: 6/9								<b>Station</b>							
<b>Bomb System:</b> Manual								<b>Limit</b>							
								<b>Allowed Loads</b>							
								1 and 4 1,400 FT							
								2 and 3 550 BB RP RK DR							
<b>Notes:</b>				<b>Load Notes:</b>											
1. The Shenyang J-6 is a day fighter. It is licensed version of the MiG-19S. The NATO reporting name for the aircraft is Farmer-C.								1. May use 760L FTs on stations 1 and 4.							
2. If a BT or ET is performed in the HI+ altitude bands, roll one die for each facing change after the first. On a 1 the aircraft suffers a maneuvering departure.								2. May use ORO-57K RPs or DRs each with two ORO-57K RPs on stations 2 and 3.							
								<b>VPs:</b> 16/11/5/3							
								v1.0000000 0000-00-00T00:00:00							

<b>Shenyang F-6</b>				Crew: Pilot							
				Maneuver HFPs/DPs:							
<b>Power APs/DPs/FPs:</b> ○○				LR/DR 1.0 1.0							
AB 3.5 3.0 2.5 5.0				VR 0.5							
M 2.5 2.0 2.0 2.0				<b>Turn DPs:</b>							
N 0.0 0.0 0.0 1.0				CL 1/2 DT							
I 0.5 0.5 0.5 0.0				TT 1.0 1.0 1.0							
SPBR 0.5 1.0 1.0 —				HT 2.0 2.0 2.0							
				BT 3.0 3.0 3.0							
				ET 3.0 4.0 —							

<b>Shenyang F-6 (PAF)</b>								<b>Crew:</b> Pilot			
<b>Power APs/DPs/FPs:</b> ○○								<b>Maneuver HFPs/DPs:</b>			
CL 1/2 DT Fuel								LR/DR	1.0	1.0	
AB 3.5 3.0 2.5 5.0								VR	0.5		
M 2.5 2.0 2.0 2.0								<b>Turn DPs:</b>			
N 0.0 0.0 0.0 1.0								CL	1/2	DT	
I 0.5 0.5 0.5 0.0								TT	1.0	1.0	1.0
SPBR 0.5 1.0 1.0 —								HT	2.0	2.0	2.0
								BT	3.0	3.0	3.0
								ET	3.0	4.0	—

<b>Shenyang J-6A</b>								<b>Crew:</b> Pilot					
								<b>Maneuver HFPs/DPs:</b>					
<b>Power APs/DPs/FPs:</b> ○○								LR/DR	1.0	1.0			
CL 1/2 DT Fuel								VR	0.5				
AB	3.5	3.0	2.5	5.0					<b>Turn DPs:</b>				
M	2.5	2.0	2.0	2.0					CL	1/2	DT		
N	0.0	0.0	0.0	1.0					TT	1.0	1.0		
I	0.5	0.5	0.5	0.0					HT	2.0	2.0		
SPBR	0.5	1.0	1.0	—					BT	3.0	3.0		
				Cruise Speed: 5.5 Restr. Arcs: 60–									
				Climb Speed: 4.5 Blind Arcs: 30–									
				Visibility: 5 Internal Fuel: 180									
				Size: +0 AtA Refuel: No									
				Vulnerability: +1 Ejection Seat: Early									
<b>Speeds and Ceilings</b>						<b>Climb Capabilities</b>							
Alt. Band	Conf. Ceil.	CL 58	1/2 53	DT 48	Dive Speed	CL AB Oth	1/2 AB Oth	DT AB Oth	Alt. Band				
EH+	46+	3.5 – 8.0	4.0 – 7.5	4.5 – 7.0	10.0	1.0 0.5	1.0 0.5	1.0 0.5	EH+				
VH	36–45	3.0 – 8.5	3.5 – 8.0	4.0 – 7.0	10.0	1.0 0.5	1.0 0.5	1.0 0.5	VH				
HI	26–35	3.0 – 9.0	3.0 – 8.0	3.0 – 7.5	10.0	2.0 0.5	1.0 0.5	1.0 0.5	HI				
MH	17–25	2.5 – 8.5	3.0 – 8.0	3.0 – 7.0	9.0	3.0 1.0	2.0 1.0	1.0 0.5	MH				
ML	8–16	2.5 – 7.5	2.5 – 7.0	2.5 – 6.5	8.5	4.0 2.0	3.0 1.0	2.0 1.0	ML				
LO	0–7	2.0 – 7.0	2.5 – 6.5	2.5 – 6.0	8.0	5.0 2.0	4.0 1.0	3.0 1.0	LO				
<b>Radar:</b> RP-1 Izumrud				<b>ECM:</b> IFF				<b>Weapon Stations Diagram:</b>					
ECCM:	0	RWR: A											
Arcs:	Limited	DDS: —											
Search:	18–6	DJM: —											
Track:	6–6	AJM: —											
Lock-On:	7	BJM: —											
<b>Guns:</b> Two 30 mm NR-30				<b>Technology:</b>				<b>Load Point Limits:</b>					
To Hit:	5/3/1	None						CL : 0–2					
Ammunition:	2.5							1/2: 3–6					
Gunsight:	TT+0/HT+2/BT+3							<b>Weight Limit:</b> 3,900					
Ranging:	RE							DT : 7+					
AtA/AtG:	5/6							<b>Station</b>					
<b>Bomb System:</b> Manual								<b>Limit</b>					
								<b>Allowed Loads</b>					
				1 and 6				200 IRM					
				2 and 5				1,400 FT					
				3 and 4				550 BB RP RK DR					
<b>Notes:</b>				<b>Load Notes:</b>									
1. The Shenyang J-6A is an interceptor. It is derived from the MiG-19P. The NATO reporting name for the aircraft is Farmer-D and for the radar is Scan Odd.				1. May use 760L FTs on stations 1 and 4.									
2. If a BT or ET is performed in the HI+ altitude bands, roll one die for each facing change after the first. On a 1 the aircraft suffers a maneuvering departure.				2. May use ORO-57K RPs or DRs each with two ORO-57K RPs on stations 2 and 3.									
				3. From 1975, may use PL-2 IRMs.									
<b>VPs:</b> 16/11/5/3								v1.0000000 0000-00-00T00:00:00					

<b>Shenyang J-6B</b>								<b>Crew:</b> Pilot			
<b>Power APs/DPs/FPs:</b> ○○								<b>Maneuver HFPs/DPs:</b>			
CL 1/2 DT Fuel								LR/DR	1.0	1.0	
AB 3.5 3.0 2.5 5.0								VR	0.5		
M 2.5 2.0 2.0 2.0								<b>Turn DPs:</b>			
N 0.0 0.0 0.0 1.0								CL	1/2	DT	
I 0.5 0.5 0.5 0.0								TT	1.0	1.0	1.0
SPBR 0.5 1.0 1.0 —								HT	2.0	2.0	2.0
								BT	3.0	3.0	3.0
								ET	3.0	4.0	—

<b>Shenyang J-6C</b>								<b>Crew:</b> Pilot			
<b>Power APs/DPs/FPs:</b> ○○								<b>Maneuver HFPs/DPs:</b>			
CL 1/2 DT Fuel								LR/DR	1.0	1.0	
AB 3.5 3.0 2.5 5.0								VR	0.5		
M 2.5 2.0 2.0 2.0								<b>Turn DPs:</b>			
N 0.0 0.0 0.0 1.0								CL	1/2	DT	
I 0.5 0.5 0.5 0.0								TT	1.0	1.0	1.0
SPBR 0.5 1.0 1.0 —								HT	2.0	2.0	2.0
								BT	3.0	3.0	3.0
								ET	3.0	4.0	—

<b>Shenyang F-6C</b>								<b>Crew:</b> Pilot			
<b>Power APs/DPs/FPs:</b> ○○								<b>Maneuver HFPs/DPs:</b>			
AB 3.5 3.0 2.5 5.0 M 2.5 2.0 2.0 2.0 N 0.0 0.0 0.0 1.0 I 0.5 0.5 0.5 0.0 SPBR 0.5 1.0 1.0 —								LR/DR	1.0	1.0	
								VR	0.5		
				<b>Turn DPs:</b>							
				CL 1/2 DT				CL	1/2	DT	
				TT 1.0 1.0 1.0				TT	1.0	1.0	
				HT 2.0 2.0 2.0				HT	2.0	2.0	
				BT 3.0 3.0 3.0				BT	3.0	3.0	
				ET 3.0 4.0 —				ET	3.0	4.0	
				Cruise Speed: 5.5 Restr. Arcs: 60–							
				Climb Speed: 4.5 Blind Arcs: 30–							
				Visibility: 5 Internal Fuel: 180							
				Size: +0 AtA Refuel: No							
				Vulnerability: +1 Ejection Seat: Early							
<b>Speeds and Ceilings</b>						<b>Climb Capabilities</b>					
Alt. Band	Conf. Ceil.	CL	1/2	DT	Dive Speed	CL AB	1/2 AB	DT AB	Alt. Band		
EH+	46+	3.5 – 8.0	4.0 – 7.5	4.5 – 7.0	10.0	1.0 0.5	1.0 0.5	1.0 0.5	EH+		
VH	36–45	3.0 – 8.5	3.5 – 8.0	4.0 – 7.0	10.0	1.0 0.5	1.0 0.5	1.0 0.5	VH		
HI	26–35	3.0 – 9.0	3.0 – 8.0	3.0 – 7.5	10.0	2.0 0.5	1.0 0.5	1.0 0.5	HI		
MH	17–25	2.5 – 8.5	3.0 – 8.0	3.0 – 7.0	9.0	3.0 1.0	2.0 1.0	1.0 0.5	MH		
ML	8–16	2.5 – 7.5	2.5 – 7.0	2.5 – 6.5	8.5	4.0 2.0	3.0 1.0	2.0 1.0	ML		
LO	0–7	2.0 – 7.0	2.5 – 6.5	2.5 – 6.0	8.0	5.0 2.0	4.0 1.0	3.0 1.0	LO		
<b>Radar:</b> — ECCM: — Arcs: — Search: — Track: — Lock-On: —				<b>ECM:</b> IFF RWR: A DDS: — DJM: — AJM: — BJM: —				<b>Weapon Stations Diagram:</b>			
<b>Guns:</b> Three 30 mm NR-30 To Hit: 6/3/2 Ammunition: 2.5 Gunsight: TT+0/HT+2/BT+3 Ranging: — AtA/AtG: 6/9				<b>Technology:</b> None				<b>Load Point Limits:</b> CL : 0–2 1/2: 3–6			
								<b>Weight Limit:</b> 3,900 DT : 7+			
								<b>Station</b> Limit Allowed Loads 1 and 4 1,400 FT 2 and 3 550 BB RP RK DR			
								<b>Load Notes:</b> 1. May use 760L FTs on stations 1 and 4. 2. May use ORO-57K RPs or DRs each with two ORO-57K RPs on stations 2 and 3.			
<b>Bomb System:</b> Manual											
<b>Notes:</b>											
1. The Shenyang F-6C is a day fighter. It is the export version of the Shenyang J-6C and a licensed version of the MiG-19S. The NATO reporting name for the aircraft is Farmer-C. 2. If a BT or ET is performed in the HI+ altitude bands, roll one die for each facing change after the first. On a 1 the aircraft suffers a maneuvering departure.											
								<b>VPs:</b> 16/11/5/3			
								v1.0000000 0000-00-00T00:00:00			

<b>Shenyang JJ-6</b>								<b>Crew:</b> Pilot and Observer			
<b>Power APs/DPs/FPs:</b> ○○								<b>Maneuver HFPs/DPs:</b>			
CL 1/2 DT Fuel								LR/DR	1.0	1.0	
AB 3.5 3.0 2.5 5.0								VR	0.5		
M 2.5 2.0 2.0 2.0								<b>Turn DPs:</b>			
N 0.0 0.0 0.0 1.0								CL	1/2	DT	
I 0.5 0.5 0.5 0.0								TT	1.0	1.0	1.0
SPBR 0.5 1.0 1.0 —								HT	2.0	2.0	2.0
								BT	3.0	3.0	3.0
								ET	3.0	4.0	—

<b>Shenyang FT-6</b>								<b>Crew:</b> Pilot and Observer			
<b>Power APs/DPs/FPs:</b> ○○								<b>Maneuver HFPs/DPs:</b>			
CL 1/2 DT Fuel								LR/DR	1.0	1.0	
AB 3.5 3.0 2.5 5.0								VR	0.5		
M 2.5 2.0 2.0 2.0								<b>Turn DPs:</b>			
N 0.0 0.0 0.0 1.0								CL	1/2	DT	
I 0.5 0.5 0.5 0.0								TT	1.0	1.0	1.0
SPBR 0.5 1.0 1.0 —								HT	2.0	2.0	2.0
								BT	3.0	3.0	3.0
								ET	3.0	4.0	—