

Exhibitor No:

FOR IN FLIGHT: **OR STATIC:** **DISPLAY**

Show No 76

Attention: Requested information will be used by the official Airshow speakers

As well as providing information for the press office, this document will be used as a basis for the official commentaries. Exhibitors should therefore indicate the technical data and commercial information requested, as well as any other information they would like to transmit to the public during the flight program.

MANUFACTURER:	DASSAULT AVIATION		
AIRCRAFT TYPE AND NAME:	Rafale C		
CATEGORY:	Omnirôle combat aircraft		
COUNTRY:	France		
FIRST FLIGHT:			DISPLAY CREW:
Date: 04/07/1986	Location: Istres	Cne Cédric "Rût" Ruet	
Crew: Guy Mitaux Maurouard			18 mission de guerre Rafale
		3 800 hdv 700h Rafale	
ENGINE(S):			
Number:	2	Type:	M88-2
Manufacturer:	SNECMA		
Take off rating (Dry):	11 023 lb	With reheat:	16 535 lb
Propeller(s):			
TECHNICAL DATA:		COMMERCIAL INFORMATION:	
Empty weight:	22 046 lb	Prototypes (or pre-prod):	
Max take off weight:	42 990 lb	Firm orders:	120
Max cruise speed:		Options:	
Max operating speed:	1,70 Mach	Deliveries:	
Stall speed:		Production rate:	
Max endurance:	00:00	Number of clients:	1
Max range:		Contact during the show:	
ACCOMODATION:		WEAPONS	
Accomodation:	Single or two seater		
Max payload:	20 944 lb	1 GIAT DEFA 30M 30mm gun Air-Air : Mica, Meteor, Magic 2 Air-Ground : MBDA Apache, Scalp, ASMPA, GBU12 AM39.	
MISCELLANEOUS:			
<p>The Rafale program is conducted by the DGA to fulfill the French Air Force and French Navy requirements. Their needs was a discreet and multirole aircraft, able to perform a wide range of missions (defense and air superiority, air-surface attack, reconnaissance) day and night in all weather. The weapon system has been designed to accomodate present and future weapons. Moreover, it is the first aircraft to be initially designed to operate both from ground bases and from aircraft carriers. This has resulted in a commonality between the two versions of nearly 80% on its structure and almost 100% for the weapon system. To date, 120 aircraft were ordered on an expressed need of 294 Rafales (234 for the Air Force and 60 Navy). The 120 production aircraft ordered were divided into : 82 Rafales for the French Air Force (44 single-seaters and 38 two-seaters, 38 single-seaters for the Navy including 10 early versions Stage 1 Rafales in service since June 2004. Since the beginning of the year 2009, Dassault Aviation delivers Stage 3 Rafales. With this standard, Rafale becomes fully omnirôle. The aircraft already in service will be brought to the new standard. The Stage 2 Rafale currently in service with the French Air Force and Navy can already provide air defense missions with the MICA interception missile, ground attack thanks to the MBDA long-range SCALP-EG cruise missile, and accurate bombing with AASM missile. F3 Standard provides the additional capability to fire AM39 anti-ship missile, to carry the reconnaissance pod RECO NG, as well as the nuclear missile ASMPA. On 16 May 2009, three Rafale from the French Air Force left Kandahar after a four months period in Afghanistan, were they performed 230 missions, representing some 800 flight hours.</p>			