

Takeoff

	Departure
ICAO	KLAR
Runway	03DP
TORA / TODA / ASDA	8502 ft / 8502 ft / 8502 ft
Runway Slope	-0.14
Flap	1
Wind	36000 M
Crosswind Component	0 knots
Headwind Component	0 knots Headwind
Temp C	30
Altimeter	30.00

Options

ATR ON

TOW: 10481 lbs	Departure	Reduced Thrust
V1	108	
VR	111	
V2	112	
VFS	130	
Power	89.6	
Takeoff Distance	8385 ft	
L/O Altitude	7684 ft	
Assumed Temp C		

EO Departure Procedure

03DP

TAKEOFF WEIGHTS FOR RWY 03DP REQUIRE THE USE OF THIS TAILORED NON-RNAV DEPARTURE PROCEDURE

NOTE: NON-RNAV PROCEDURE. ALL FIXES ARE FLY-OVER FIXES UNLESS OTHERWISE NOTED. ALL TURNS ARE CLIMBING 15 DEGREES OF BANK UNLESS OTHERWISE NOTED.

MAINTAIN RUNWAY HEADING TO LAR 6.0 DME (4.4 NM FROM DER)

TURN LEFT TO INTERCEPT LAR VOR R-019 INBOUND DIRECT TO LAR VOR

CLIMB IN HOLDING PATTERN AT LAR ON LAR VOR R-019 (HOLD NORTH, LEFT TURNS, 25 DEGREE BANK, 5NM LEGS, 199 COURSE INBOUND)

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EO Departure Procedure

03DP (continued)

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These procedures describe the non-standard, one engine inoperative, departure flight path. The maximum allowable takeoff weights, presented in the attached analysis, are based upon the procedure(s) outlined above.

Landing

	Arrival
ICAO	KLAR
Runway	03
LDA	8502 ft
Runway Slope	-0.14
Flap	1/3
Wind	30000 M
Crosswind Component	0 knots
Headwind Component	0 knots Headwind
Temp C	10
Altimeter	30.00

Options

Wet Snow 6.4 mm (1/4 inch)

Unfactored Landing Distance

LDW: 9097 lbs	Arrival
VFS	125
VAC	111
VREF	101
Landing Distance	6270 ft
1.00 LD Distance	6270 ft
MA Climb Gradient	4.8

Takeoff
N192BL EMB500EVF PW617F1E
Flap: 1

Actual TOW: 10481
Wind: 36000 M
Altimeter: 30.00

ATR ON

KLAR	03	03DP	12	21	Runway
TEMP C PWR	8502 / 8502 / 8502	8502 / 8502 / 8502	6300 / 6300 / 6300	8502 / 8502 / 8502	TORA / TODA / ASDA
27 90.1	OVERWEIGHT	10649 / -O 108 / 111 / 112 / 130 7599 / 7684	OVERWEIGHT	OVERWEIGHT	Limit Weight / Code V1 / VR / V2 / VFS TOFL / ACCEL(MSL)
28 89.9	OVERWEIGHT	10593 / -O 108 / 111 / 112 / 130 7861 / 7684	OVERWEIGHT	OVERWEIGHT	
29 89.7	OVERWEIGHT	10532 / -O 108 / 111 / 112 / 130 8123 / 7684	OVERWEIGHT	OVERWEIGHT	
30 89.6	OVERWEIGHT	10481 / -O 108 / 111 / 112 / 130 8385 / 7684	OVERWEIGHT	OVERWEIGHT	
31 89.4	OVERWEIGHT	10482 / -O 108 / 112 / 112 / 130 8379 / 7684	OVERWEIGHT	OVERWEIGHT	
32 89.2	OVERWEIGHT	OVERWEIGHT	OVERWEIGHT	OVERWEIGHT	
33 89.0	OVERWEIGHT	OVERWEIGHT	OVERWEIGHT	OVERWEIGHT	

KLAR	21DP	30			Runway
TEMP C PWR	8502 / 8502 / 8502	6300 / 6300 / 6300			TORA / TODA / ASDA
27 90.1	10560 / -O 108 / 111 / 112 / 130 7852 / 7684	OVERWEIGHT			Limit Weight / Code V1 / VR / V2 / VFS TOFL / ACCEL(MSL)
28 89.9	10500 / -O 108 / 111 / 112 / 130 8109 / 7684	OVERWEIGHT			
29 89.7	OVERWEIGHT	OVERWEIGHT			
30 89.6	OVERWEIGHT	OVERWEIGHT			
31 89.4	OVERWEIGHT	OVERWEIGHT			
32 89.2	OVERWEIGHT	OVERWEIGHT			
33 89.0	OVERWEIGHT	OVERWEIGHT			

Runway Notes

- Limit Codes:
- ST - Structural Limit

FL - Field Length Limit

-O - Obstacle Limit

TS - Tire Speed Limit

BE - Brake Energy Limit

CL - Climb Limit

FP - TO Thrust Time Limit

CD - Contaminant Depth Limit

SP - Climb Speed Limit

03DP

TAKEOFF WEIGHTS FOR RWY 03DP REQUIRE THE USE OF THIS TAILORED NON-RNAV DEPARTURE PROCEDURE

NOTE: NON-RNAV PROCEDURE. ALL FIXES ARE FLY-OVER FIXES UNLESS OTHERWISE NOTED. ALL TURNS ARE CLIMBING 15 DEGREES OF BANK UNLESS OTHERWISE NOTED.

MAINTAIN RUNWAY HEADING TO LAR 6.0 DME (4.4 NM FROM DER)

TURN LEFT TO INTERCEPT LAR VOR R-019 INBOUND DIRECT TO LAR VOR

CLIMB IN HOLDING PATTERN AT LAR ON LAR VOR R-019 (HOLD NORTH, LEFT TURNS, 25 DEGREE BANK, 5NM LEGS, 199 COURSE INBOUND)

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21DP

TAKEOFF WEIGHTS FOR RWY 21DP REQUIRE THE USE OF THIS TAILORED NON-RNAV DEPARTURE PROCEDURE

NOTE: NON-RNAV PROCEDURE. ALL FIXES ARE FLY-OVER FIXES UNLESS OTHERWISE NOTED. ALL TURNS ARE CLIMBING 15 DEGREES OF BANK UNLESS OTHERWISE NOTED.

MAINTAIN RUNWAY HEADING TO LAR 6.0 DME (5.0 NM FROM DER)

TURN RIGHT TO INTERCEPT LAR VOR R-224 INBOUND DIRECT TO LAR VOR

CLIMB IN HOLDING PATTERN AT LAR ON LAR VOR R-224 (HOLD SOUTHWEST, RIGHT TURNS, 25 DEGREE BANK, 5NM LEGS, 044 COURSE INBOUND)

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These procedures describe the non-standard, one engine inoperative, departure flight path. The maximum allowable takeoff weights, presented in the attached analysis, are based upon the procedure(s) outlined above.

Landing

N192BL EMB500EVF PW617F1E

Actual LDW: 9097
 Wind: 30000 M
 Altimeter: 30.00

Flap: 1/3

Wet Snow 6.4 mm (1/4 inch)
 Unfactored Landing Distance

KLAR	03	12	21	30	Runway
TEMP C	8502	6300	8502	6300	LDA
7	9998 / ST / 4.8 6222 / 6222 101 / 111 / 125	9381 / FL / 4.8 6148 / 6148 101 / 111 / 125	9998 / ST / 4.8 6102 / 6102 101 / 111 / 125	9338 / FL / 4.8 6170 / 6170 101 / 111 / 125	Limit / Cd / MA Grad LD Dist / 1.00 Dist VREF / VAC / VFS
8	9998 / ST / 4.8 6238 / 6238 101 / 111 / 125	9350 / FL / 4.8 6164 / 6164 101 / 111 / 125	9998 / ST / 4.8 6118 / 6118 101 / 111 / 125	9308 / FL / 4.8 6187 / 6187 101 / 111 / 125	
9	9998 / ST / 4.8 6254 / 6254 101 / 111 / 125	9320 / FL / 4.8 6180 / 6180 101 / 111 / 125	9998 / ST / 4.8 6134 / 6134 101 / 111 / 125	9278 / FL / 4.8 6203 / 6203 101 / 111 / 125	
10	9998 / ST / 4.8 6270 / 6270 101 / 111 / 125	9289 / FL / 4.8 6196 / 6196 101 / 111 / 125	9998 / ST / 4.8 6150 / 6150 101 / 111 / 125	9247 / FL / 4.8 6219 / 6219 101 / 111 / 125	
11	9998 / ST / 4.8 6286 / 6286 101 / 111 / 125	9259 / FL / 4.8 6212 / 6212 101 / 111 / 125	9998 / ST / 4.8 6166 / 6166 101 / 111 / 125	9217 / FL / 4.8 6235 / 6235 101 / 111 / 125	
12	9998 / ST / 4.8 6303 / 6303 101 / 111 / 125	9229 / FL / 4.8 6228 / 6228 101 / 111 / 125	9998 / ST / 4.8 6182 / 6182 101 / 111 / 125	9187 / FL / 4.8 6251 / 6251 101 / 111 / 125	
13	9998 / ST / 4.8 6319 / 6319 101 / 111 / 125	9199 / FL / 4.8 6244 / 6244 101 / 111 / 125	9998 / ST / 4.8 6198 / 6198 101 / 111 / 125	9158 / FL / 4.8 6267 / 6267 101 / 111 / 125	

Runway Notes

Limit Codes:
ST - Structural Limit
FL - Field Length Limit
-O - Obstacle Limit
TS - Tire Speed Limit
BE - Brake Energy Limit
CL - Climb Limit
FP - TO Thrust Time Limit
CD - Contaminant Depth Limit
SP - Climb Speed Limit