

Takeoff

TASS

51 °C

T/O Flaps

5

DRY

OIMM

Shahid_Hashemi_Nejad

MASHHAD

13L

Takeoff

OAT

30 °C

T/O Flaps

5



DRY

OIMM


Shahid_Hashemi_Nejad

MASHHAD

13L

AD Elev 3266 ft TORA 12500 ft ATOM 49300 kg								AD Elev 3266 ft TORA 12500 ft ATOM 49300 kg							
				Distances								Distances			
V1	VR	V2	VFTO	TORA	12500 ft	V1	VR	V2	VFTO	TORA	12500 ft	V1	VR	V2	VFTO
154	159	161	210	TODA	13491 ft	145	151	157	210	TODA	13491 ft	145	151	157	210
				ASDA	13491 ft					ASDA	13491 ft				
				TOD req	11419 ft					TOD req	8109 ft				
				Slope	0.260					Slope	0.260				
				Configuration	—					Configuration	—				
				Flaps	5					Flaps	5				
				Antilce	OFF					Antilce	OFF				
				Packs	AUTO					Packs	AUTO				
				Improved	YES					Improved	YES				
				PMC	ON					PMC	ON				

All Runways								All Runways							
Wind 080/7 kt QNH 1017 hPa ATOM 49300 kg OAT 30 °C				Shahid_Hashemi_Nejad OIMM MASHHAD				Wind 080/7 kt QNH 1017 hPa ATOM 49300 kg OAT 30 °C				Shahid_Hashemi_Nejad OIMM MASHHAD			
Rwy	Flaps	TASS	V1	VR	V2	TORA	MTOM	Rwy	Flaps	V1	VR	V2	TORA	MTOM	
13L	5	51 °C	154	159	161	12500 ft	58947 kg	13L	5	145	151	157	12500 ft	58947 kg	
13R	5	51 °C	154	159	161	12861 ft	58830 kg	13R	5	145	150	157	12861 ft	58830 kg	
13R:A1229	5	51 °C	154	159	161	12861 ft	58710 kg	13R:A1229	5	145	150	156	12861 ft	58710 kg	
31L	5	46 °C	147	152	156	12861 ft	55531 kg	31L	5	141	147	153	12861 ft	55531 kg	
31L.VMC	5	47 °C	143	145	150	12861 ft	55531 kg	31L.VMC	5	141	147	153	12861 ft	55531 kg	
31L.VMC:A1229	5	44 °C	147	154	158	12861 ft	54678 kg	31L.VMC:A1229	5	142	152	158	12861 ft	54678 kg	
31L:A1229	5	44 °C	147	154	158	12861 ft	54678 kg	31L:A1229	5	142	152	158	12861 ft	54678 kg	
31R	5	46 °C	147	150	154	12500 ft	55325 kg	31R	5	141	144	151	12500 ft	55325 kg	
31R.VMC	5	46 °C	147	150	154	12500 ft	55325 kg	31R.VMC	5	141	144	151	12500 ft	55325 kg	
31R.VMC:A1229	5	46 °C	147	150	154	12500 ft	55325 kg	31R.VMC:A1229	5	141	144	151	12500 ft	55325 kg	
31R:A1229	5	46 °C	147	150	154	12500 ft	55325 kg	31R:A1229	5	141	144	151	12500 ft	55325 kg	



Eng Fail: Climb on RWY TRACK to minimum safe altitude. Minimum acceleration altitude 4266 ft MSL (1000 ft AAL).

Reland

AD Elev 3266 ft
LDA 12500 ft
ALM 49300 kg



DRY
OIMM
Shahid_Hashemi_Nejad
MASHHAD

13

Distances							Configuration		
Appr Flaps	Land Flaps	All Eng GA Flaps	Eng Out GA Flaps	VGA	VREF	VGA all eng	Dry Runway	LFlaps	30
10	30	10	10	161	132	161	LDR	Packs	AUTO
								Autoland	NO
VGA eng out	Eng Out GA grad						LD	Speedbrake	AUTO
161	4.05 %							Anti-ice	OFF

Takeoff Runways

CONDITION DRY

Configuration

OIMM Shahid_Hashemi
MASHHAD

W/V 080/7 kt
QNH 1017 hPa
AD Elev 3266 ft

Flaps 5

Antilce OFF

Packs AUTO

Improved YES

PMC ON

TASS 51 °C	Flaps 5	V1 154	VR 159	V2 161	VFTO 210	OAT 30 °C	Flaps 5	V1 145	VR 151	V2 157	VFTO 210	13L
TORA 12500 ft	N1	EFFRA	Trim			TORA 12500 ft	N1	EFFRA	Trim			
	89.5 %	4266 ft	N/A				95.1 %	4266 ft	N/A			

① Eng Fail: Climb on RWY TRACK to minimum safe altitude. Minimum acceleration altitude 4266 ft MSL (1000 ft AAL).

TASS 51 °C	Flaps 5	V1 154	VR 159	V2 161	VFTO 210	OAT 30 °C	Flaps 5	V1 145	VR 150	V2 157	VFTO 210	13R
TORA 12861 ft	N1	EFFRA	Trim			TORA 12861 ft	N1	EFFRA	Trim			
	89.5 %	4266 ft	N/A				95.1 %	4266 ft	N/A			

① Eng Fail: Climb on RWY TRACK to minimum safe altitude. Minimum acceleration altitude 4266 ft MSL (1000 ft AAL).

TASS 51 °C	Flaps 5	V1 154	VR 159	V2 161	VFTO 210	OAT 30 °C	Flaps 5	V1 145	VR 150	V2 156	VFTO 210	13R
TORA 12861 ft	N1	EFFRA	Trim			TORA 12861 ft	N1	EFFRA	Trim			
	89.5 %	4266 ft	N/A				95.1 %	4266 ft	N/A			

NOTAM
A1229

① Eng Fail: Climb on RWY TRACK to minimum safe altitude. Minimum acceleration altitude 4266 ft MSL (1000 ft AAL). TEMPO OBSTACLE! NOTAM A1229/22.

TASS 46 °C	Flaps 5	V1 147	VR 152	V2 156	VFTO 210	OAT 30 °C	Flaps 5	V1 141	VR 147	V2 153	VFTO 210	31L
TORA 12861 ft	N1	EFFRA	Trim			TORA 12861 ft	N1	EFFRA	Trim			
	91.5 %	4266 ft	N/A				95.1 %	4266 ft	N/A			

① Eng Fail: Climb on RWY TRACK to minimum safe altitude. Minimum acceleration altitude 4266 ft MSL (1000 ft AAL).

TASS 47 °C	Flaps 5	V1 143	VR 145	V2 150	VFTO 210	OAT 30 °C	Flaps 5	V1 141	VR 147	V2 153	VFTO 210
TORA 12861 ft		N1 91.3 %	EFFRA 4266 ft	Trim N/A		TORA 12861 ft		N1 95.1 %	EFFRA 4266 ft	Trim N/A	

31L

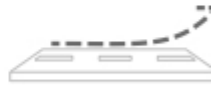


Procedure
VMC

① Eng Fail: Climb on RWY TRACK to minimum safe altitude. Minimum acceleration altitude 4266 ft MSL (1000 ft AAL). Only VMC departure. Only obstacles within a VMC departure cone included.

TASS 44 °C	Flaps 5	V1 147	VR 154	V2 158	VFTO 210	OAT 30 °C	Flaps 5	V1 142	VR 152	V2 158	VFTO 210
TORA 12861 ft		N1 91.9 %	EFFRA 4266 ft	Trim N/A		TORA 12861 ft		N1 95.1 %	EFFRA 4266 ft	Trim N/A	

31L



Procedure
VMC
NOTAM
A1229

① Eng Fail: Climb on RWY TRACK to minimum safe altitude. Minimum acceleration altitude 4266 ft MSL (1000 ft AAL). TEMPO OBSTACLE! NOTAM A1229/22. Only VMC departure. Only obstacles within a VMC departure cone included.

TASS 44 °C	Flaps 5	V1 147	VR 154	V2 158	VFTO 210	OAT 30 °C	Flaps 5	V1 142	VR 152	V2 158	VFTO 210
TORA 12861 ft		N1 91.9 %	EFFRA 4266 ft	Trim N/A		TORA 12861 ft		N1 95.1 %	EFFRA 4266 ft	Trim N/A	

31L



NOTAM
A1229

① Eng Fail: Climb on RWY TRACK to minimum safe altitude. Minimum acceleration altitude 4266 ft MSL (1000 ft AAL). TEMPO OBSTACLE! NOTAM A1229/22.

TASS 46 °C	Flaps 5	V1 147	VR 150	V2 154	VFTO 210	OAT 30 °C	Flaps 5	V1 141	VR 144	V2 151	VFTO 210
TORA 12500 ft		N1 91.5 %	EFFRA 4266 ft	Trim N/A		TORA 12500 ft		N1 95.1 %	EFFRA 4266 ft	Trim N/A	

31R



① Eng Fail: Climb on RWY TRACK to minimum safe altitude. Minimum acceleration altitude 4266 ft MSL (1000 ft AAL).

TASS 46 °C	Flaps 5	V1 147	VR 150	V2 154	VFTO 210	OAT 30 °C	Flaps 5	V1 141	VR 144	V2 151	VFTO 210
TORA 12500 ft		N1 91.5 %	EFFRA 4266 ft	Trim N/A		TORA 12500 ft		N1 95.1 %	EFFRA 4266 ft	Trim N/A	

31R



Procedure
VMC

① Eng Fail: Climb on RWY TRACK to minimum safe altitude. Minimum acceleration altitude 4266 ft MSL (1000 ft AAL). Only VMC depature. Only obstacles within a VMC depature cone included.

TASS 46 °C	Flaps 5	V1 147	VR 150	V2 154	VFTO 210	OAT 30 °C	Flaps 5	V1 141	VR 144	V2 151	VFTO 210
TORA 12500 ft		N1 91.5 %	EFFRA 4266 ft	Trim N/A		TORA 12500 ft		N1 95.1 %	EFFRA 4266 ft	Trim N/A	

31R



Procedure
VMC
NOTAM
A1229

① Eng Fail: Climb on RWY TRACK to minimum safe altitude. Minimum acceleration altitude 4266 ft MSL (1000 ft AAL). TEMPO OBSTACLE! NOTAM A1229/22. Only VMC depature. Only obstacles within a VMC depature cone included.

TASS 46 °C	Flaps 5	V1 147	VR 150	V2 154	VFTO 210	OAT 30 °C	Flaps 5	V1 141	VR 144	V2 151	VFTO 210
TORA 12500 ft		N1 91.5 %	EFFRA 4266 ft	Trim N/A		TORA 12500 ft		N1 95.1 %	EFFRA 4266 ft	Trim N/A	

31R



NOTAM
A1229

① Eng Fail: Climb on RWY TRACK to minimum safe altitude. Minimum acceleration altitude 4266 ft MSL (1000 ft AAL). TEMPO OBSTACLE! NOTAM A1229/22.

Landing CONDITION **DRY**

OIFM

S.Beheshti Intl.
ESFAHAN

W/V 060/18 kt
QNH 1017 hPa
OAT 33 °C



Runways	LDA	Still	Wx
07L	14432 ft	49895	49895
07R	14432 ft	49895	49895
25L	14432 ft	49895	0
25R	14432 ft	49895	0

 EASA CAT A Operation using max 60% of LDA.

Inflight Landing

Selected runway

RCAM6 - Dry
OIFM
S.Beheshti Intl.
ESFAHAN

07L

All runways

AD Elev 5058 ft
LDA 14432 ft
ALM 46000 kg



Appr Flaps 10
Land Flaps 30
All Eng GA Flaps 10
Eng Out GA Flaps 10
VGA 156
VREF 127

Wind 060/16 kt
QNH 1019 hPa
ALM 46000 kg
OAT 33 °C

S.Beheshti Intl.
ESFAHAN

VGA all eng 156
VGA eng out 156
Eng Out GA grad 4.23 %

Rwy Wind MLM LDA

Distances	Configuration
Low Friction Runway	LFlaps 30
LDR	Packs AUTO
LD	Autoland NO
	Speedbrake AUTO
	Anti-ice OFF
	Icing NO

07L	16/4 kt	49895 kg	14432 ft
07R	16/4 kt	49895 kg	14432 ft
25L			
25R			

i EASA CAT A Operation using max 87% of LDA.