Tail EP-VBM Aircraft Model B737-500 B2 (20K) Approved on Jun 04, 2022

Takeoff

TASS 51 °C

T/O Flaps 5 DRY OIMM Shahid\_Hashemi\_Nejad MASHHAD 13L

OAT 30 °C

Takeoff



DRY OIMM Shahid\_Hashemi\_Nejad MASHHAD 13L

AD Elev : TORA 12 ATOM 49	2500 ft				- Di	stances		AD Elev 3 TORA 12 ATOM 49	500 ft				- D	istances	
V1	VR	V2	VFT	0		ORA	12500 ft	V1	VR	V2	VF	то		ORA	12500 ft
154	159	161	210	)		ODA	13491 ft	145	151	157	21	0		ODA	13491 ft
		2d segm			A	SDA	13491 ft			2d segm			A	SDA	13491 ft
Tass	N1	gross grad	EFF	:RA		DD	11419 ft	OAT	N1	gross grad	EF	FRA		OD	9100 ft
51 °C	89.5 %	2.40		66 ft		q	0.260	30 °C	95.1 %	4.35		66 ft		pq Jana	8109 ft 0.260
Trim						ope onfigurat	ion —	Trim						lope <b>onfigurat</b>	
N/A						aps	5	N/A						aps	5
						ntilce	OFF							ntilce	OFF
					Pa	acks	AUTO						P	acks	AUTO
					In	proved	YES						In	nproved	YES
					PI	MC	ON						P	MC	ON
All Runw								All Runw	,						
Wind 080	3/7 kt				Shal	nid Hashi	ami Maiad		1/7 Lt				Sha	hid_Hashe	emi Neiad
QNH 101 ATOM 49 OAT 30 °	7 hPa 300 kg				0114		emi_Nejad OIMM MASHHAD	Wind 080 QNH 101 ATOM 49 OAT 30 °C	7 hPa <b>300 kg</b>						OIMM
ATOM 49	7 hPa 9 <b>300 kg</b> C	aps TASS	V1	VR			OIMM	QNH 101 ATOM 49	7 hPa <b>300 kg</b> C	aps	V1	VR			OIMM
ATOM 49 OAT 30 °	7 hPa 9 <b>300 kg</b> C		V1 154		V2	TORA	OIMM	QNH 101 ATOM 49 OAT 30 °C	7 hPa <b>300 kg</b> C					TORA	OIMM
ATOM 49 OAT 30 °	7 hPa 9300 kg C	51 °C	154	159	V2 161	TORA 12500 ft	OIMM MASHHAD MTOM	QNH 101 ATOM 49 OAT 30 °C	7 hPa <b>300 kg</b> C		145	151	V2 157	TORA 12500 ft	OIMM IASHHAD MTOM
ATOM 49 OAT 30 ° Rwy 13L	7 hPa 3300 kg C Fla	51 °C	154 ·	159 159	V2 161 161	TORA 12500 ft 12861 ft	MTOM 58947 kg 58830 kg	QNH 101 ATOM 49 OAT 30 °C	7 hPa 300 kg C Fla		145 145	151 150	V2 157	TORA 12500 ft 12861 ft	OIMM IASHHAD MTOM 58947 kg
ATOM 49 OAT 30 ° Rwy 13L 13R	7 hPa 3300 kg C Fla	51 °C 51 °C 51 °C	154 · 154 ·	159 159 159	V2 161 161 161	TORA 12500 ft 12861 ft 12861 ft	MTOM 58947 kg 58830 kg	QNH 101 ATOM 49 OAT 30 °C Rwy 13L 13R	7 hPa 300 kg C Fla 5		145 145 145	151 150 150	V2 157 157	TORA 12500 ft 12861 ft 12861 ft	OIMM IASHHAD MTOM 58947 kg 58830 kg
ATOM 49 OAT 30 ° Rwy 13L 13R 13R:A122	7 hPa 9300 kg C Fla 5 29 5	51 °C 51 °C 51 °C 46 °C	154 · · · · · · · · · · · · · · · · · · ·	159 159 159 152	V2 161 161 161 156	TORA 12500 ft 12861 ft 12861 ft 12861 ft	MTOM 58947 kg 58830 kg 58710 kg	QNH 101' ATOM 49 OAT 30 °C Rwy 13L 13R 13R:A122	7 hPa 300 kg C Fla 5		145 145 145 141	151 150 150 147	V2 157 157 156 153	TORA 12500 ft 12861 ft 12861 ft 12861 ft	OIMM IASHHAD MTOM 58947 kg 58830 kg 58710 kg
ATOM 49 OAT 30 ° Rwy 13L 13R 13R:A122	7 hPa 9300 kg C Fla 5 29 5	51 °C 51 °C 51 °C 46 °C 47 °C	154 · 154 · 154 · 147 · 143 · 143	159 159 159 152 145	V2 161 161 161 156 150	TORA 12500 ft 12861 ft 12861 ft 12861 ft	MTOM 58947 kg 58830 kg 58710 kg 55531 kg	QNH 101' ATOM 49 OAT 30 °C Rwy 13L 13R 13R:A122 31L 31L.VMC	7 hPa 300 kg C 5 5 29 5		145 145 145 141 141	151 150 150 147 147	V2 157 157 156 153	TORA 12500 ft 12861 ft 12861 ft 12861 ft	OIMM IASHHAD MTOM 58947 kg 58830 kg 58710 kg 55531 kg
ATOM 49 OAT 30 ° Rwy 13L 13R 13R:A122 31L 31L.VMC	7 hPa 9300 kg C Fla 5 29 5 3:A1229 5	51 °C 51 °C 51 °C 46 °C 47 °C 44 °C	154 · 154 · 154 · 147 · 143 · 147 · 147	159 159 159 152 145	V2 161 161 161 156 150	TORA 12500 ft 12861 ft 12861 ft 12861 ft 12861 ft	MTOM 58947 kg 58830 kg 58710 kg 55531 kg	QNH 101' ATOM 49 OAT 30 °C Rwy 13L 13R 13R:A122 31L 31L.VMC	7 hPa 300 kg C Fla 5 29 5 :A1229 5		145 145 145 141 141 142	151 150 150 147 147 152	V2 157 157 156 153 153	TORA 12500 ft 12861 ft 12861 ft 12861 ft 12861 ft	OIMM IASHHAD  MTOM 58947 kg 58830 kg 58710 kg 55531 kg 55531 kg
ATOM 49 OAT 30 ° Rwy 13L 13R:A122 31L 31L.VMC	7 hPa 9300 kg C Fla 5 29 5 3:A1229 5	51 °C 51 °C 51 °C 46 °C 47 °C 44 °C	154 · 154 · 154 · 147 ·	159 159 159 152 145 154	V2 161 161 161 156 150 158	TORA 12500 ft 12861 ft 12861 ft 12861 ft 12861 ft 12861 ft	MTOM 58947 kg 58830 kg 58710 kg 55531 kg 55531 kg 54678 kg	QNH 101' ATOM 49 OAT 30 °C Rwy 13L 13R 13R:A122 31L 31L.VMC 31L.VMC	7 hPa 300 kg C Fla 5 29 5 :A1229 5		145 145 145 141 141 142 142	151 150 150 147 147 152 152	V2 157 157 156 153 153 158	TORA 12500 ft 12861 ft 12861 ft 12861 ft 12861 ft 12861 ft	OIMM MTOM 58947 kg 58830 kg 58710 kg 55531 kg 55531 kg 54678 kg
ATOM 49 OAT 30 ° Rwy 13L 13R:A122 31L 31L.VMC 31L.VMC	7 hPa 2300 kg CC Fla 5 29 5 3:A1229 5 29 5	51 °C 51 °C 51 °C 46 °C 44 °C 44 °C 46 °C	154 154 154 154 147 147 147 147	159 159 159 152 145 154 154	V2 161 161 161 156 150 158 158	TORA 12500 ft 12861 ft	MTOM 58947 kg 58830 kg 58710 kg 55531 kg 55531 kg 54678 kg	QNH 101' ATOM 49 OAT 30 °C Rwy 13L 13R 13R:A122 31L 31L.VMC 31L.VMC 31L:A122	7 hPa 300 kg C Fla 5 29 5 :A1229 5		145 145 145 141 141 142 142 141	151 150 150 147 147 152 152	V2 157 157 156 153 153 158 158	TORA 12500 ft 12861 ft	OIMM MTOM 58947 kg 58830 kg 58710 kg 55531 kg 55531 kg 54678 kg
ATOM 49 OAT 30 ° Rwy 13L 13R 13R:A122 31L 31L.VMC 31L.VMC 31L:A122 31R	7 hPa 2300 kg C  Fla  5  5  29  5  3:A1229  5  5  5  5  5  5  5  5  5  5  5  5  5	51 °C 51 °C 51 °C 46 °C 44 °C 44 °C 46 °C	154 · 154 · 154 · 147 ·	159 159 159 152 145 154 154 150	V2 161 161 161 156 150 158 158 154 154	TORA 12500 ft 12861 ft 12500 ft	MTOM 58947 kg 58830 kg 58710 kg 55531 kg 55531 kg 54678 kg 54678 kg 55325 kg	QNH 101' ATOM 49 OAT 30 °C Rwy 13L 13R 13R:A122 31L 31L.VMC 31L:A122 31R 31R.VMC	7 hPa 300 kg C Fla 5 29 5 :A1229 5 :9 5		145 145 145 141 141 142 142 141 141	151 150 150 147 147 152 152 144 144	V2 157 157 156 153 153 158 158 151 151	TORA 12500 ft 12861 ft 12500 ft	OIMM IASHHAD  MTOM 58947 kg 58830 kg 58710 kg 55531 kg 55531 kg 54678 kg 54678 kg 55325 kg

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

Approved by

 5854
 Tail
 Aircraft Model
 Approved on

 Varesh Airlines
 EP-VBM
 B737-500 B2 (20K)
 Jun 04, 2022

Reland AD Elev 3 LDA 1250 ALM 4930	0 ft						_	Ç	Shahid_Hashemi	DRY   OIMM _Nejad SHHAD	1	3
							Distance	es ———	Configuration -			—
Appr	Land	All Eng	Eng Out			VGA all	Dry Run	way	LFlaps			30
Flaps 10	Flaps 30	GA Flaps 10	GA Flaps 10	VGA 161	VREF 132	eng 161	LDR	3335 ft	Packs		ΑU	ТО
					102			2900 ft /	Autoland		- 1	NO
VGA eng out	Eng Out GA grad						LD	23%	Speedbrake		ΑU	то
161	4.05 %								Anti-ice		0	FF

Tail EP-VBM

Aircraft Model B737-500 B2 (20K) Approved on Jun 04, 2022

Takeoff Runways

-CONDITION DRY

Configuration

Shahid\_HashemiW/V 080/7 kt QNH 1017 hPa MASHHAD AD Elev 3266 ft

VFTO

VFTO

210

210

Flaps Antilce OFF 5

Packs AUTO

V2

V2

V2

156

Trim

**PMC** Improved ON YES

**VFTO** 

**VFTO** 

210

210

TORA 12500 ft



۷1 154 N1

٧R V2 159 161 **EFFRA** Trim 89.5 % 4266 ft N/A

OAT 30 °C

Flaps 5 TORA 12500 ft

V1 145 N1

151 157 **EFFRA** Trim 95.1 % 4266 ft N/A

٧R

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

TORA 12861 ft



V1 154

VR N1

89.5 % 4266 ft N/A

V2 159 161 **EFFRA** Trim

V2

161

Trim

OAT 30 °C TORA 12861 ft

Flaps V1 145 N1

150 157 **EFFRA** Trim 95.1 % 4266 ft N/A

VR

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



V1 154 N1

٧R 159 **EFFRA** 

89.5 % 4266 ft N/A

VFTO 210

OAT 30 °C

Flaps TORA 12861 ft

V1 ٧R 145 150 N1 EFFRA 95.1 % 4266 ft N/A VFTO 210



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.

TORA 12861 ft



۷1 147

٧R 152 N<sub>1</sub> **EFFRA** 

91.5 % 4266 ft N/A

V2 156 Trim VFTO 210

OAT 30 °C

**Flaps** TORA 12861 ft

V1 141

VR V2 147 153 **EFFRA** Trim

95.1 % 4266 ft N/A

VFTO

210

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

Approved by

Aircraft Model 5854 Tail Approved on EP-VBM B737-500 B2 (20K) Jun 04, 2022 Varesh Airlines ۷1 VR V2 VFTO VR **VFTO Flaps** OAT **Flaps** V1 V2 30 °C 143 145 150 210 141 147 153 210 TORA 12861 ft TORA 12861 ft N<sub>1</sub> **EFFRA** Trim N1 **EFFRA** Trim 91.3 % 4266 ft N/A 95.1 % 4266 ft N/A Procedure VMC 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. Flaps V1 ٧R V2 VFTO OAT Flaps V1 ٧R V2 VFTO 5 147 154 158 210 30 °C 142 152 158 210 TORA 12861 ft TORA 12861 ft **EFFRA** Trim N1 EFFRA Trim

> 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.

OBSTACLE! NOTAM A1229/22. Only VMC depature. Only obstacles within a VMC depature cone included.

TASS 44 °C 5 147 154 158 210

TORA 12861 ft N1 EFFRA Trim 91.9 % 4266 ft N/A

91.9 % 4266 ft N/A

OAT Staps V1 VR V2 VFTO 142 152 158 210

TORA 12861 ft N1 EFFRA Trim 95.1 % 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 5 147 150 154 210

TORA 12500 ft N1 EFFRA Trim 91.5 % 4266 ft N/A

VR V2 OAT Flaps ۷1 VFTO 30 °C 141 144 151 210 TORA 12500 ft EFFRA N<sub>1</sub> Trim 95.1 % 4266 ft N/A

JIN

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

Approved by

varesh

EP-VBM B737-500 B2 (20K) Jun 04, 2022 Varesh Airlines ۷1 ٧R V2 VFTO OAT VR **VFTO Flaps Flaps** V1 V2 30 °C 147 150 154 210 141 144 151 210 TORA 12500 ft TORA 12500 ft N<sub>1</sub> **EFFRA** Trim N1 **EFFRA** Trim 91.5 % 4266 ft N/A 95.1 % 4266 ft N/A

Tail

Procedure

VMC

Approved on

Aircraft Model

 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.

Flaps ۷1 ٧R V2 VFTO OAT Flaps V1 ٧R V2 **VFTO** 5 147 150 154 210 30 °C 141 144 151 210 TORA 12500 ft TORA 12500 ft **EFFRA** Trim N1 EFFRA Trim 91.5 % 4266 ft N/A 95.1 % 4266 ft N/A

Procedure VMC NOTAM A1229

 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.

Flaps ۷1 VR V2 VFTO OAT ٧R V2 **VFTO** Flaps 147 150 154 210 30 °C 141 144 151 210 TORA 12500 ft TORA 12500 ft N<sub>1</sub> **EFFRA** Trim N1 **EFFRA** Trim 91.5 % 4266 ft N/A 95.1 % 4266 ft N/A

NOTAM A1229

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

Approved by

5854

Landing

-CONDITION DRY

OFM 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

(i) EASA CAT A Operation using max 60% of LDA.	
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Approved by

5854 Varesh Airlines

Tail EP-VBM Aircraft Model B737-500 B2 (20K) Approved on Jun 04, 2022

## Inflight Landing

Selected runway

OIFM S.Beheshti Intl. ESFAHAN 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
VGA all eng 156	VGA eng out 156	Eng Out GA grad 4.23 %			
Distances			Configura	tion —	
Low Friction			LFlaps		

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

25R

NO

ESFAHAN

S.Beheshti Intl.

Distances —		Configuration	
Low		LFlaps	30
Friction Runway		Packs	AUTO
LDR	4524 ft	Autoland	NO
LD	3934 ft / 27%	Speedbrake	AUTO
		Anti-ice	OFF

Icing

Rwy	Wind	MLM	LDA
07L	16/4 kt	49895 kg	14432 ft
07R	16/4 kt	49895 kg	14432 ft
25L			

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