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

Takeoff

TASS 46 °C



OIMM Shahid_Hashemi_Nejad MASHHAD 31R



Takeoff



DRY OIMM Shahid_Hashemi_Nejad MASHHAD 31R

AD Elev 3 TORA 12 ATOM 48	500 ft				_ D	istances		AD Elev 3 TORA 12 ATOM 48	500 ft				_ D	istances	
V1	VR	V2	VF	то		ORA	12500 ft	V1	VR	V2	VF	то		ORA	12500 ft
145	148	152	21	0		ODA	13494 ft	140	143	150	21	0		ODA	13494 ft
		2d segm			A	SDA	13494 ft			2d segm			А	SDA	13494 ft
Tass	N1	gross grad	FF	FRA		OD	0400 #	OAT	N1	gross grad	FF	FRA		OD	7044 6
46 °C	90.5 %	2.83		66 ft		P	9189 ft	24 °C	94.4 %	4.46		66 ft		P	7241 ft
Trim						lope	-0.260	Trim						lope	-0.260
N/A							ion —	N/A						onfigurat	
						aps	5							laps	5
						ntilce	OFF							ntilce	OFF
						acks	AUTO YES							acks	AUTO YES
						nproved	ON							nproved	ON
All Runwa	avs ——				P	MC		All Runw	avs ——				Р	MC	ON
Wind 100	V6 kt				Chal	بطمملا لمنط	NI-1I	1111-1 400	10.11				Cha	hid Haab	
QNH 1018 ATOM 48 OAT 24 °C	8 hPa 700 kg				Snai		emi_Nejad OIMM MASHHAD	Wind 100 QNH 101 ATOM 48 OAT 24 °C	8 hPa 700 kg				Sna		emi_Nejad OIMM IASHHAD
ATOM 48	8 hPa 700 kg C	aps TASS	V1	VR			OIMM	QNH 1018 ATOM 48	8 hPa 700 kg C	aps	V1	VR			OIMM
ATOM 48 OAT 24 °C	8 hPa 700 kg C			VR 158	V2	TORA	OIMM	QNH 101 ATOM 48 OAT 24 °C	8 hPa 700 kg C			VR 150	V2	TORA	OIMM
ATOM 48 OAT 24 °C	8 hPa 700 kg C	52 °C	153	158	V2 160	TORA 12500 ft	OIMM MASHHAD MTOM	QNH 1018 ATOM 48 OAT 24 °C	8 hPa 700 kg C		144	150	V2 157	TORA 12500 ft	OIMM IASHHAD MTOM
ATOM 48' OAT 24 °C Rwy 13L	8 hPa 700 kg C Fla	52 °C	153 153	158 158	V2 160 160	TORA 12500 ft 12861 ft	OIMM MASHHAD MTOM 59792 kg	QNH 101: ATOM 48 OAT 24 °C Rwy 13L 13R	8 hPa 700 kg C Fla		144 144	150 150	V2 157 156	TORA 12500 ft 12861 ft	OIMM IASHHAD MTOM 59792 kg
ATOM 48 OAT 24 °C Rwy 13L 13R	8 hPa 700 kg C Fla	52 °C 52 °C 52 °C	153 153 153	158 158 158	V2 160 160	TORA 12500 ft 12861 ft 12861 ft	MTOM 59792 kg 59673 kg	QNH 101: ATOM 48 OAT 24 °C Rwy 13L 13R 13R:A122	8 hPa 700 kg C Fla		144 144 145	150 150 150	V2 157 156 156	TORA 12500 ft 12861 ft	OIMM IASHHAD MTOM 59792 kg 59673 kg
ATOM 48 OAT 24 °C Rwy 13L 13R 13R:A122	8 hPa 700 kg C Fla 5 29 5	52 °C 52 °C 52 °C	153 153 153 146	158 158 158 152	V2 160 160 160	TORA 12500 ft 12861 ft 12861 ft	OIMM MASHHAD MTOM 59792 kg 59673 kg 59576 kg	QNH 101: ATOM 48 OAT 24 °C Rwy 13L 13R 13R:A122 31L	8 hPa 700 kg C 5 5 29 5		144 144 145 139	150 150 150 144	V2 157 156 156 151	TORA 12500 ft 12861 ft 12861 ft	OIMM IASHHAD MTOM 59792 kg 59673 kg 59576 kg
ATOM 48 OAT 24 °C Rwy 13L 13R 13R:A122 31L	8 hPa 700 kg C Fla 5 29 5	52 °C 52 °C 52 °C 48 °C 50 °C	153 153 153 146 142	158 158 158 152 146	V2 160 160 160 155 149	TORA 12500 ft 12861 ft 12861 ft 12861 ft	OIMM MASHHAD MTOM 59792 kg 59673 kg 59576 kg 56127 kg	QNH 1013 ATOM 48 OAT 24 °C Rwy 13L 13R 13R:A122 31L 31L.VMC	8 hPa 700 kg C 5 5 29 5		144 144 145 139 139	150 150 150 144 142	V2 157 156 156 151 149	TORA 12500 ft 12861 ft 12861 ft 12861 ft	OIMM IASHHAD MTOM 59792 kg 59673 kg 59576 kg 56127 kg
ATOM 48 OAT 24 °C Rwy 13L 13R 13R:A122 31L 31L.VMC	8 hPa 700 kg C Fla 5 29 5 :A1229 5	52 °C 52 °C 52 °C 48 °C 50 °C 45 °C	153 153 153 146 142 146	158 158 158 152 146 151	V2 160 160 160 155 149 155	TORA 12500 ft 12861 ft 12861 ft 12861 ft 12861 ft	OIMM MASHHAD MTOM 59792 kg 59673 kg 59576 kg 56127 kg 56301 kg	QNH 101: ATOM 48 OAT 24 °C Rwy 13L 13R 13R:A122 31L 31L.VMC	8 hPa 700 kg C Fla 5 29 5 :A1229 5		144 145 139 139 140	150 150 150 144 142 146	V2 157 156 156 151 149 153	TORA 12500 ft 12861 ft 12861 ft 12861 ft 12861 ft	OIMM MTOM 59792 kg 59673 kg 59576 kg 56127 kg 56301 kg
ATOM 48 OAT 24 °C Rwy 13L 13R 13R:A122 31L 31L.VMC	8 hPa 700 kg C Fla 5 29 5 :A1229 5	52 °C 52 °C 52 °C 48 °C 50 °C 45 °C	153 153 153 146 142 146 145	158 158 158 152 146 151	V2 160 160 155 149 155 155	TORA 12500 ft 12861 ft 12861 ft 12861 ft 12861 ft 12861 ft	MTOM 59792 kg 59673 kg 59576 kg 56127 kg 56301 kg 55242 kg	QNH 101: ATOM 48 OAT 24 °C Rwy 13L 13R 13R:A122 31L 31L.VMC 31L.VMC	8 hPa 700 kg C Fla 5 29 5 :A1229 5		144 145 139 139 140	150 150 150 144 142 146 146	V2 157 156 156 151 149 153	TORA 12500 ft 12861 ft 12861 ft 12861 ft 12861 ft 12861 ft	OIMM MASHHAD MTOM 59792 kg 59673 kg 59576 kg 56127 kg 56301 kg 55242 kg
ATOM 48 OAT 24 °C Rwy 13L 13R 13R:A122 31L 31L.VMC 31L.VMC	8 hPa 700 kg C Fla 5 29 5 :A1229 5	52 °C 52 °C 52 °C 48 °C 50 °C 45 °C 45 °C 46 °C	153 153 153 146 142 146 145	158 158 158 152 146 151 151	V2 160 160 160 155 149 155 155	TORA 12500 ft 12861 ft	OIMM MASHHAD 59792 kg 59673 kg 59576 kg 56127 kg 56301 kg 55242 kg	QNH 101: ATOM 48 OAT 24 °C Rwy 13L 13R 13R:A122 31L 31L.VMC 31L.VMC 31L:A122	8 hPa 700 kg C Flat 5 29 5 :A1229 5 29 5		144 145 139 139 140 140	150 150 150 144 142 146 146	V2 157 156 156 151 149 153 153	TORA 12500 ft 12861 ft	OIMM MASHHAD MTOM 59792 kg 59673 kg 59576 kg 56127 kg 56301 kg 55242 kg
ATOM 48 OAT 24 °C Rwy 13L 13R 13R:A122 31L 31L.VMC 31L.VMC	8 hPa 700 kg C Fla 5 29 5 :A1229 5	52 °C 52 °C 52 °C 48 °C 50 °C 45 °C 45 °C 46 °C 46 °C	153 153 153 146 142 146 145 145	158 158 152 146 151 151 148	V2 160 160 155 149 155 155 152	TORA 12500 ft 12861 ft 12500 ft	OIMM MASHHAD MTOM 59792 kg 59673 kg 59576 kg 56127 kg 56301 kg 55242 kg 55242 kg 55954 kg	QNH 101: ATOM 48 OAT 24 °C Rwy 13L 13R:A122 31L 31L.VMC 31L.VMC 31L:A122 31R 31R.VMC	8 hPa 700 kg C Fla 5 29 5 :A1229 5		144 145 139 139 140 140 140	150 150 150 144 142 146 146 143	V2 157 156 156 151 149 153 153 150	TORA 12500 ft 12861 ft 12500 ft	OIMM MASHHAD MTOM 59792 kg 59673 kg 59576 kg 56127 kg 56301 kg 55242 kg 55242 kg 55954 kg

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

Approved by

 5819
 Tail
 Aircraft Model
 Approved on

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

Reland AD Elev 3: LDA 1250 ALM 4870	0 ft							Ç	Shahid_Hashem MA	DRY OIMM Ji_Nejad SHHAD
							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 160	VREF 131	eng 160	LDR	3645 ft	Packs	AUTO
				.00		100		3170 ft /	Autoland	NO
VGA eng out	Eng Out GA grad						LD	25%	Speedbrake	AUTO
160	4.41 %								Anti-ice	OFF

5819 Varesh Airlines

Tail EP-VBM

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

Takeoff Runways

-CONDITION DRY

Configuration

Shahid_HashemiW/V 100/6 kt QNH 1018 hPa MASHHAD AD Elev 3266 ft

V2

160

Flaps Antilce OFF 5

Packs AUTO

PMC Improved ON YES

VFTO

VFTO

VFTO

210

210

210

Flaps 5

۷1 ٧R 153 158 N1 **EFFRA** VFTO 210

210

210

OAT 24 °C

Flaps 5

V1 144 N1

150 157 Trim

V2

TORA 12500 ft

Trim 88.1 % 4266 ft N/A

TORA 12500 ft

EFFRA 94.4 % 4266 ft N/A

٧R

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

Flaps 5

V1 153

VR V2 158 160 VFTO

OAT 24 °C

Flaps V1 144

VR V2 150 156 Trim

TORA 12861 ft

N1

EFFRA Trim 88.1 % 4266 ft N/A

TORA 12861 ft

N1 **EFFRA** 94.4 % 4266 ft N/A

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

TORA 12861 ft

Flaps 5

۷1 153 N1

٧R V2 158 160 **EFFRA** Trim

88.1 % 4266 ft N/A

VFTO

OAT 24 °C TORA 12861 ft

Flaps

V1 ٧R V2 145 150 156 N1 EFFRA Trim 94.4 % 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.

TORA 12861 ft

Flaps 5

۷1 146 N₁

٧R 152 **EFFRA**

90.1 % 4266 ft N/A

V2 155 Trim

VFTO 210

OAT 24 °C

Flaps TORA 12861 ft

V1 139

N1

VR V2 144 151 **EFFRA** Trim

94.4 % 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).

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Aircraft Model Tail Approved on 5819 EP-VBM B737-500 B2 (20K) Jun 04, 2022 Varesh Airlines ۷1 ٧R V2 VFTO VR **VFTO Flaps** OAT **Flaps** V1 V2 24 °C 142 146 149 210 139 142 149 210 TORA 12861 ft TORA 12861 ft N₁ **EFFRA** Trim N1 **EFFRA** Trim 89.2 % 4266 ft N/A 94.4 % 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 V1 ٧R V2 VFTO OAT Flaps ٧R V2 VFTO 5 146 151 155 210 24 °C 140 146 153 210 TORA 12861 ft TORA 12861 ft **EFFRA** Trim N1 Trim EFFRA 90.7 % 4266 ft N/A 94.4 % 4266 ft N/A Procedure

 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 VR V2 VFTO Flaps 24 °C 145 151 155 210 140 146 153 210 TORA 12861 ft TORA 12861 ft N₁ **EFFRA** Trim N1 **EFFRA** Trim 90.7 % 4266 ft N/A 94.4 % 4266 ft N/A

NOTAM A1229

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.

V2 ۷1 VR VR V2 Flaps VFTO OAT Flaps ۷1 VFTO 145 148 152 210 24 °C 140 143 150 210 TORA 12500 ft TORA 12500 ft EFFRA N1 **EFFRA** Trim N₁ Trim 90.5 % 4266 ft N/A 94.4 % 4266 ft N/A

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

Approved by

varesh

Aircraft Model Approved on 5819 Tail EP-VBM B737-500 B2 (20K) Jun 04, 2022 Varesh Airlines ۷1 ٧R V2 VFTO VR **VFTO Flaps** OAT **Flaps** ۷1 V2 24 °C 145 148 152 210 140 143 150 210

TORA 12500 ft

N1

94.4 %

EFFRA

4266 ft N/A

Trim

._____

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.

Flaps ۷1 ٧R V2 VFTO OAT Flaps V1 ٧R V2 **VFTO** 5 145 148 152 210 24 °C 140 143 150 210 TORA 12500 ft TORA 12500 ft **EFFRA** Trim N1 EFFRA Trim 90.5 % 4266 ft N/A 94.4 % 4266 ft N/A

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.

Flaps ۷1 VR V2 VFTO ٧R V2 VFTO Flaps 24 °C 145 148 152 210 140 143 150 210 TORA 12500 ft TORA 12500 ft N₁ **EFFRA** Trim N1 **EFFRA** Trim 90.5 % 4266 ft N/A 94.4 % 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.

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TORA 12500 ft

N₁

EFFRA

90.5 % 4266 ft N/A

Trim

Landing —		——С	ONDITION DRY
OIII	Mehrabad TEHRAN	Intl.	W/V VRB/2 kt QNH 1015 hPa OAT 28 °C
Runways	LDA	Still	Wx
11L	10157 ft	49895	49895
11L:SUP5	9173 ft	49895	49895
11R	13258 ft	49895	49895
11T	0 ft	0	0
29L	13258 ft	49895	49895
29L.171		No Go!	
29R	13110 ft	49895	49895
29R:SUP5	11962 ft	49895	49895
29T.SPEC	13110 ft	49895	49895

i EASA CAT A Operation using max 60% of LDA.

5819 Varesh Airlines

Tail EP-VBM

Aircraft Model B737-500 B2 (20K)

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Inflight Landing

Selected runway

RCAM6 - Dry OIII Mehrabad Intl. **TEHRAN**

All runways AD Elev 3965 ft LDA 13110 ft ALM 45500 kg



Appr Flaps 10	Land Flaps 30	All Eng GA Flaps 10	Eng Out GA Flaps 10	VGA 155	VREF 126	Wind 09 QNH 101 ALM 455 OAT 31
VGA all eng	VGA eng out	Eng Out GA grad				Rwy
155	155	5.12 %				11L
						11L:SUP
Distances	,		Configura	tion —		11R
Low			LFlaps		30	11T
Friction Runway			Packs		AUTO	29L
LDR		5007 ft	Autoland		NO	29L.171
LD	435	4 ft / 33%	Speedbrak	е	AUTO	29R
			Anti-ice		OFF	29R:SUF
			lcing		NO	
						29T.SPE

Wind 090/4 kt QNH 1017 hPa ALM 45500 kg OAT 31 °C			Mehrabad Intl. TEHRAN
Rwy	Wind	MLM	LDA
11L	4/1 kt	49895 kg	10157 ft
11L:SUP5	4/1 kt	49895 kg	9173 ft
11R	4/1 kt	49895 kg	13258 ft
11T			
29L	-4/1 kt	49895 kg	13258 ft
29L.171	-4/1 kt	49895 kg	13258 ft
29R	-4/1 kt	49895 kg	13110 ft
29R:SUP5	-4/1 kt	49895 kg	11962 ft
29T.SPEC	-4/1 kt	49895 kg	13110 ft

j) EASA CAT A Operation using max 87% of LDA.