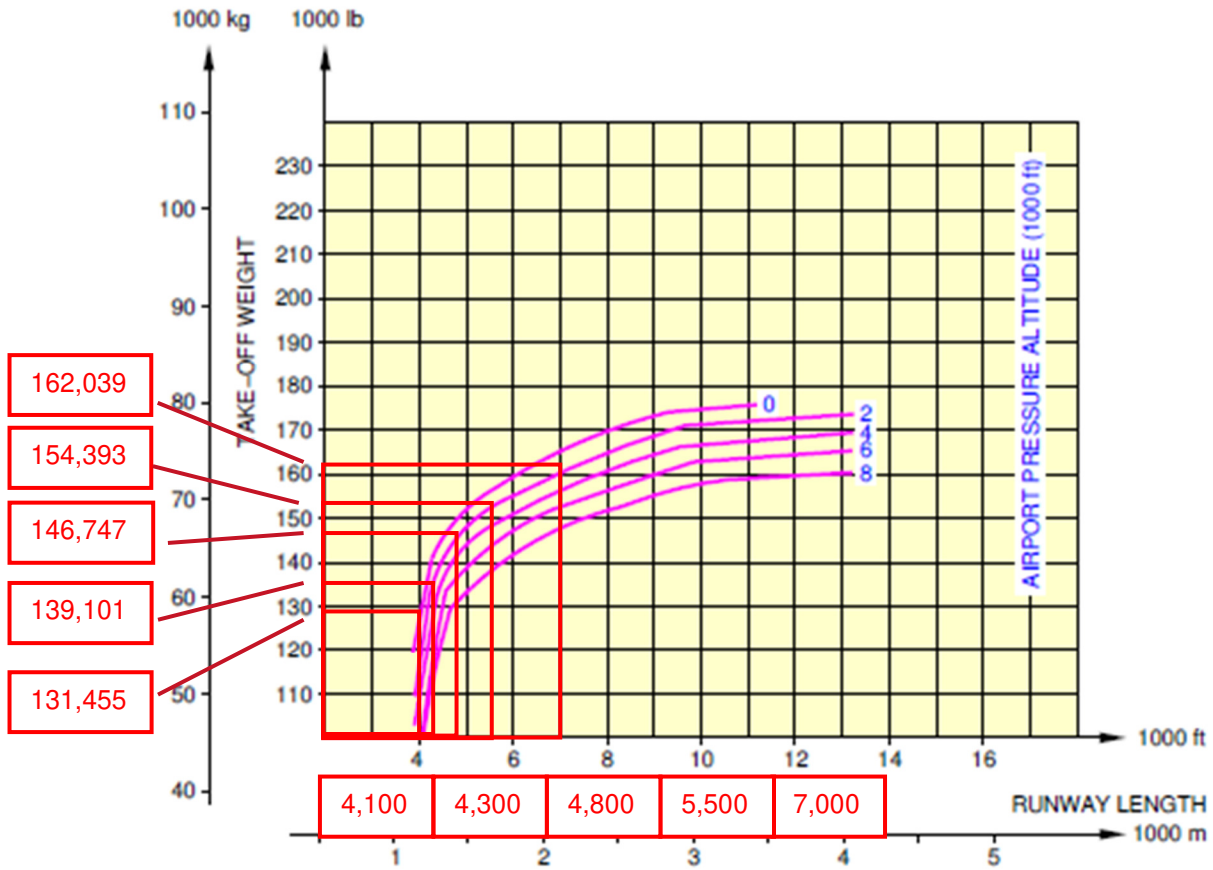


**Appendix D: Aircraft Landing Distance Performance Charts**

A319

NOTE: THESE CURVES ARE GIVEN FOR INFORMATION ONLY  
THE APPROVED VALUES ARE STATED IN THE "OPERATING  
MANUALS" SPECIFIC TO THE AIRLINE OPERATING THE AIRCRAFT.

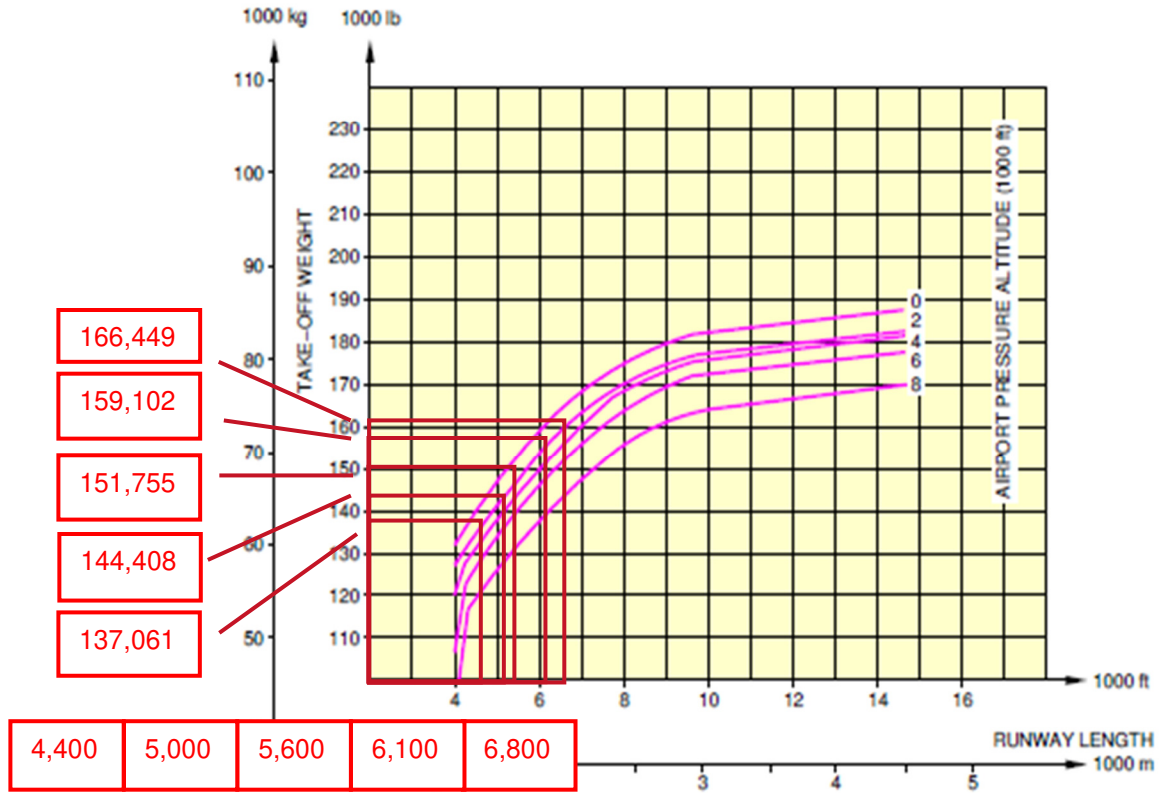


N\_AC\_030302\_1\_0030101\_01\_00

Take-Off Weight Limitation - ISA +15° C (+59° F) Conditions  
CFM56 Series Engine  
FIGURE-3-3-2-991-003-A01

A320

NOTE: THESE CURVES ARE GIVEN FOR INFORMATION ONLY  
THE APPROVED VALUES ARE STATED IN THE "OPERATING  
MANUALS" SPECIFIC TO THE AIRLINE OPERATING THE AIRCRAFT.



N\_AC\_030302\_1\_0050101\_01\_01

Take-Off Weight Limitation - ISA +15°C (+59°F) Conditions  
CFM56 Series Engine  
FIGURE-3-3-2-991-005-A01

**Boeing 717**

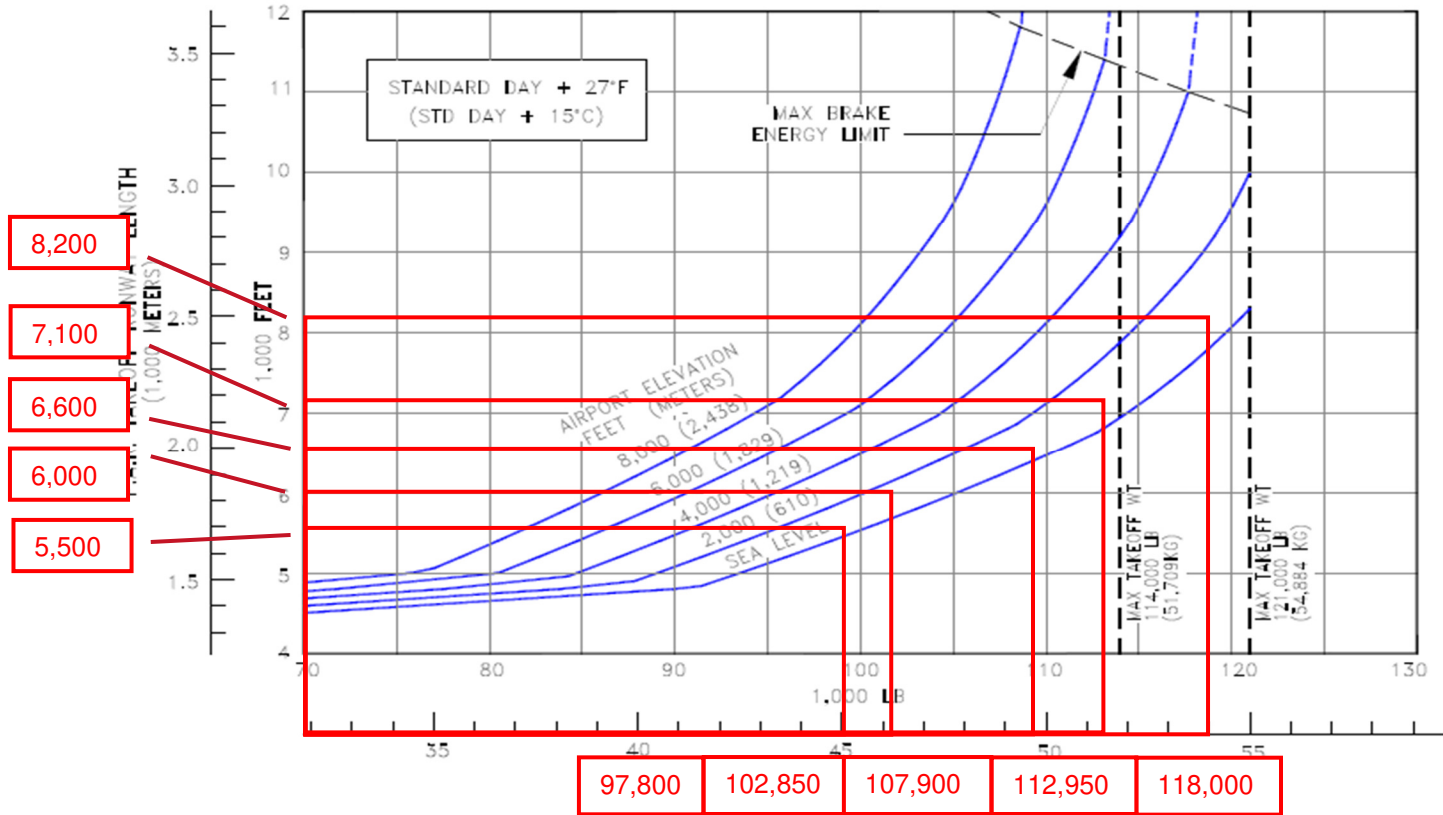
- \* ZERO WIND, ZERO RUNWAY GRADIENT
- \* DRY RUNWAY SURFACE
- \* CONSULT USING AIRLINE FOR SPECIFIC OPERATING PROCEDURE PRIOR TO FACILITY DESIGN
- \* LINEAR INTERPOLATION BETWEEN ALTITUDES INVALID
- \* LINEAR INTERPOLATION BETWEEN TEMPERATURES INVALID

3.3.2 F.A.R. TAKEOFF RUNWAY LENGTH REQUIREMENTS -  
 STANDARD DAY + 27°F (STD +15° C) - DRY RUNWAY  
 MODEL 717-200 (B715 ENGINES AT 18,500 LB THRUST)

24 NOVEMBER 2014

D6-58330

REV B



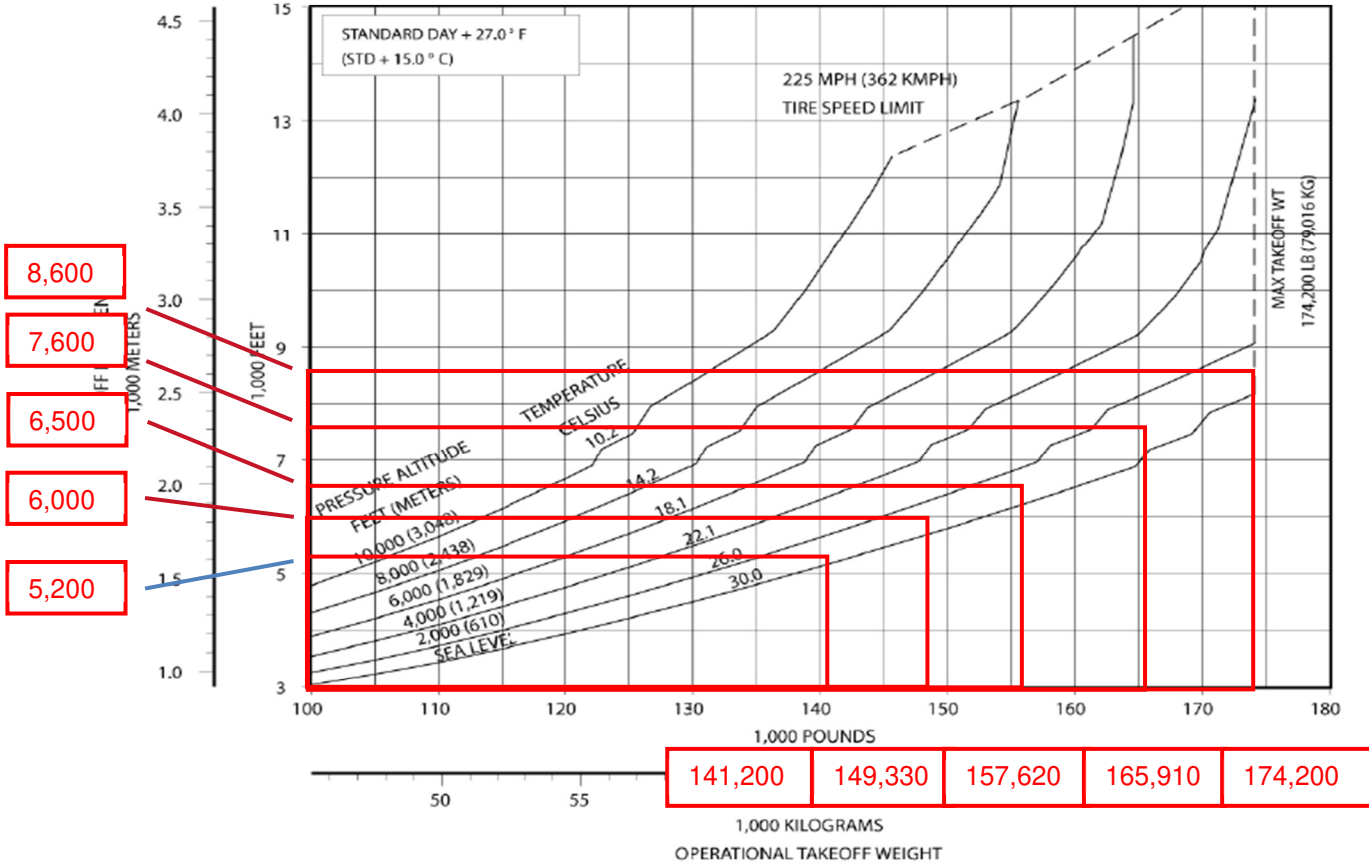


**Boeing 737-800**

DRY RUNWAY  
ZERO WIND  
ZERO RUNWAY GRADIENT  
AIR CONDITIONING OFF  
OPTIMUM FLAP SETTING

**DO NOT USE FOR DISPATCH**  
Takeoff Runway Length Requirements  
737-800/-800W/BBJ2 (CFM56-7B24/-7B26/-7B27)

- NON-WINGLET PERFORMANCE SHOWN. WINGLET AIRCRAFT WILL HAVE SLIGHTLY IMPROVED PERFORMANCE.  
- CONSULT USING AIRLINE FOR SPECIFIC OPERATING PROCEDURE PRIOR TO FACILITY DESIGN.

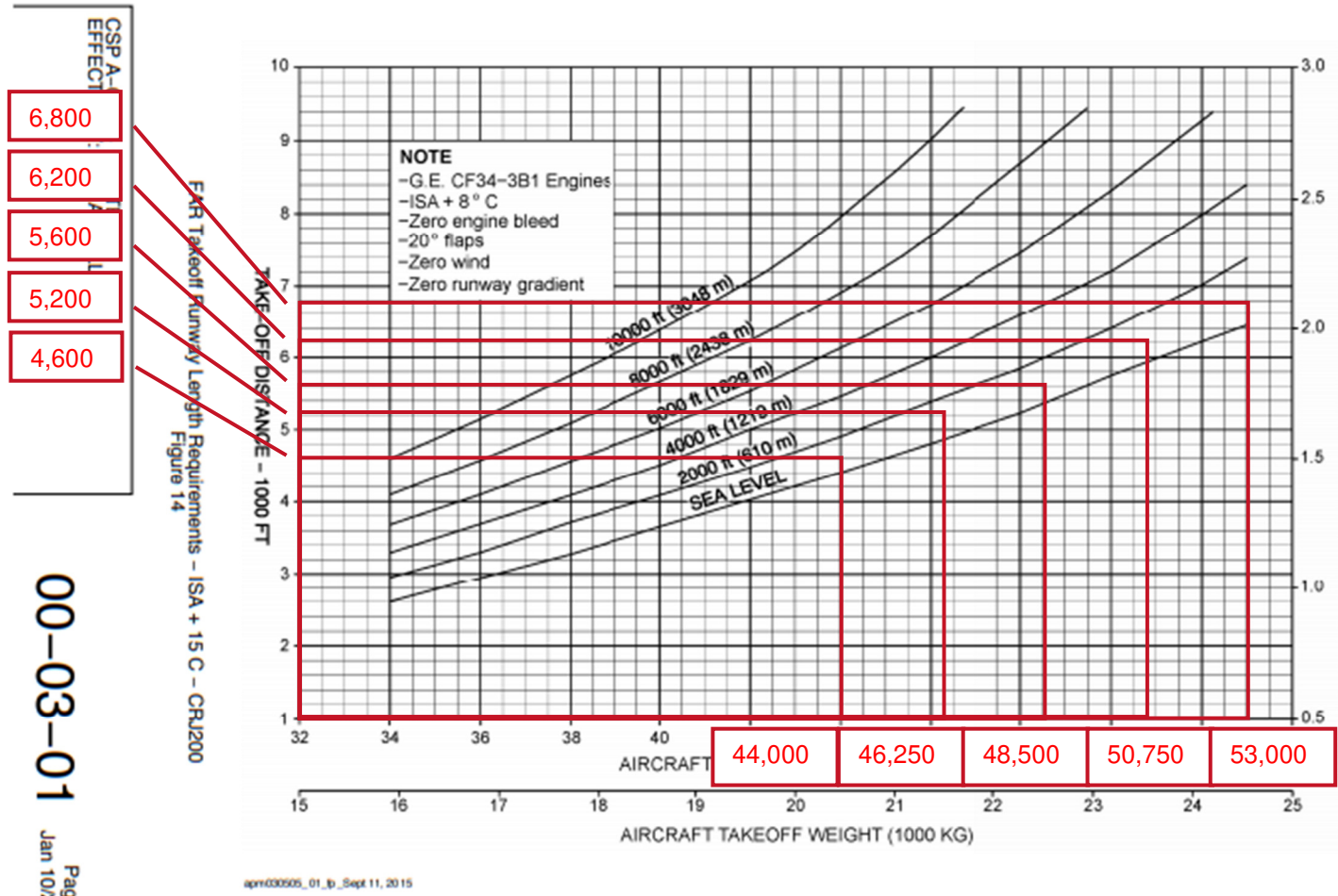


3.3.48 F.A.R. TAKEOFF RUNWAY LENGTH REQUIREMENTS  
STANDARD DAY +27°F (STD + 15°C), DRY RUNWAY  
MODEL 737-800/-800W/BBJ2 (CFM56-7B24/-7B26/-7B27 ENGINES AT 28,000 LB SLST)

D6-58325-6

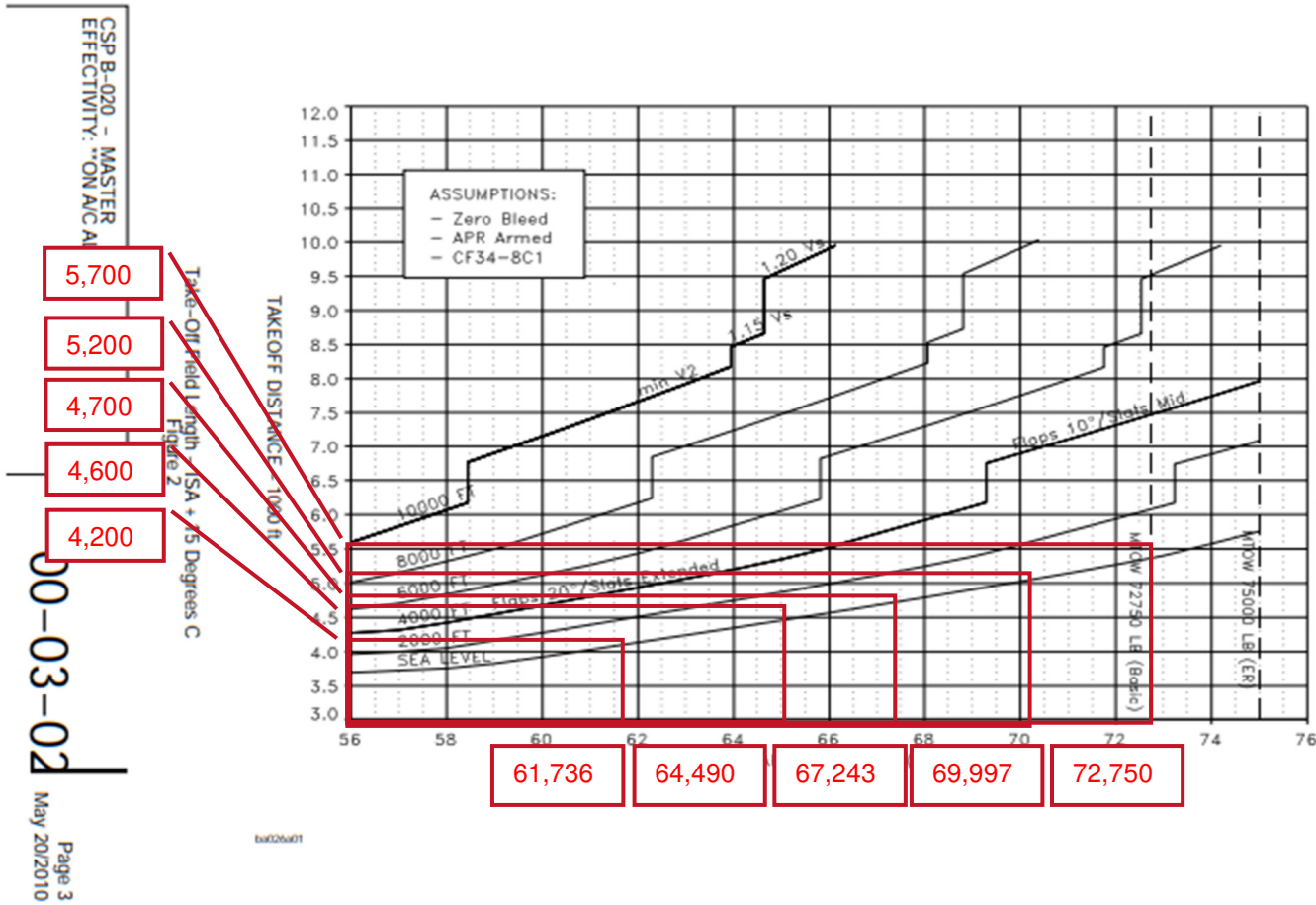
JULY 2010 151

CRJ200

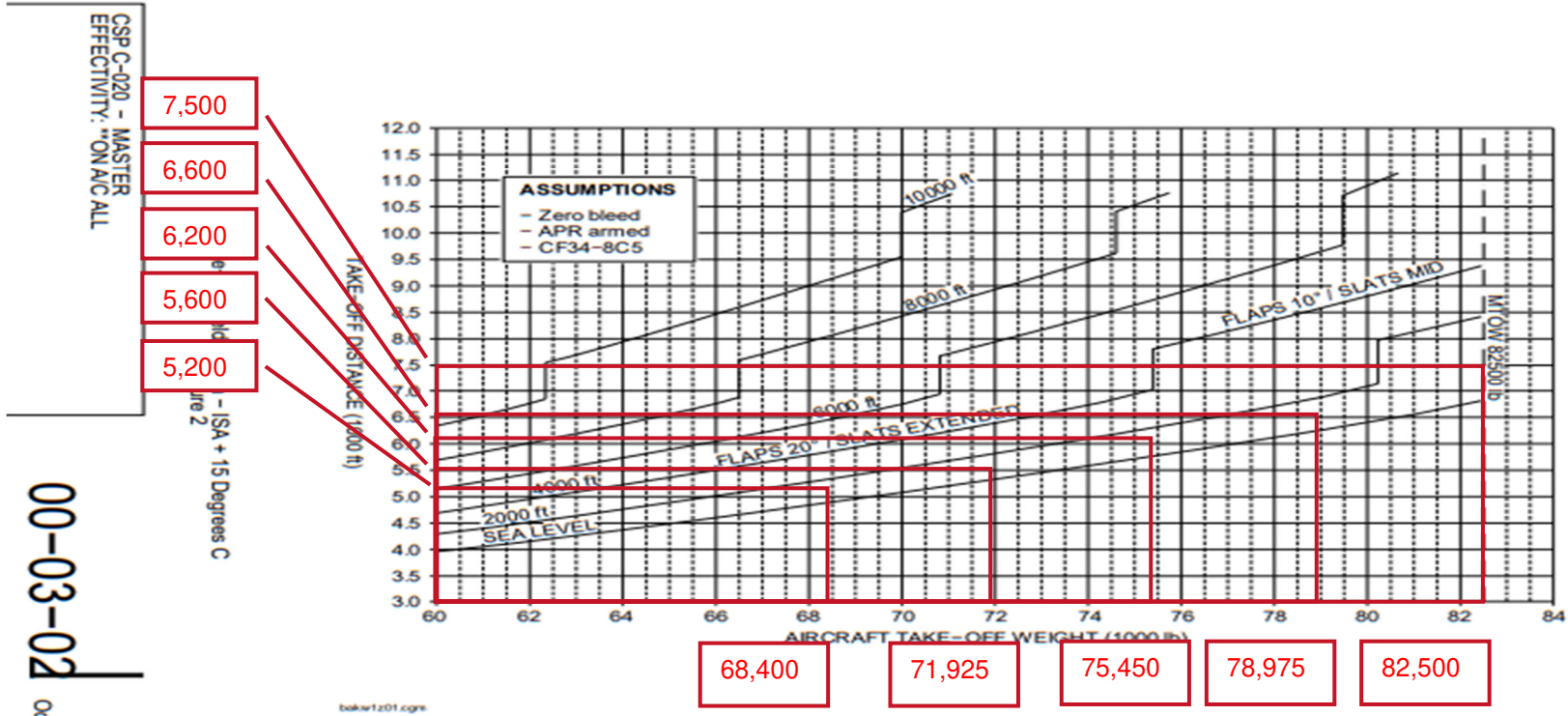


00-03-01 Page 15  
 Jan 10/2016

**CRJ700**



**CRJ900**



CSP C-020 - MASTER EFFECTIVITY: ON A/C ALL

7,500  
6,600  
6,200  
5,600  
5,200

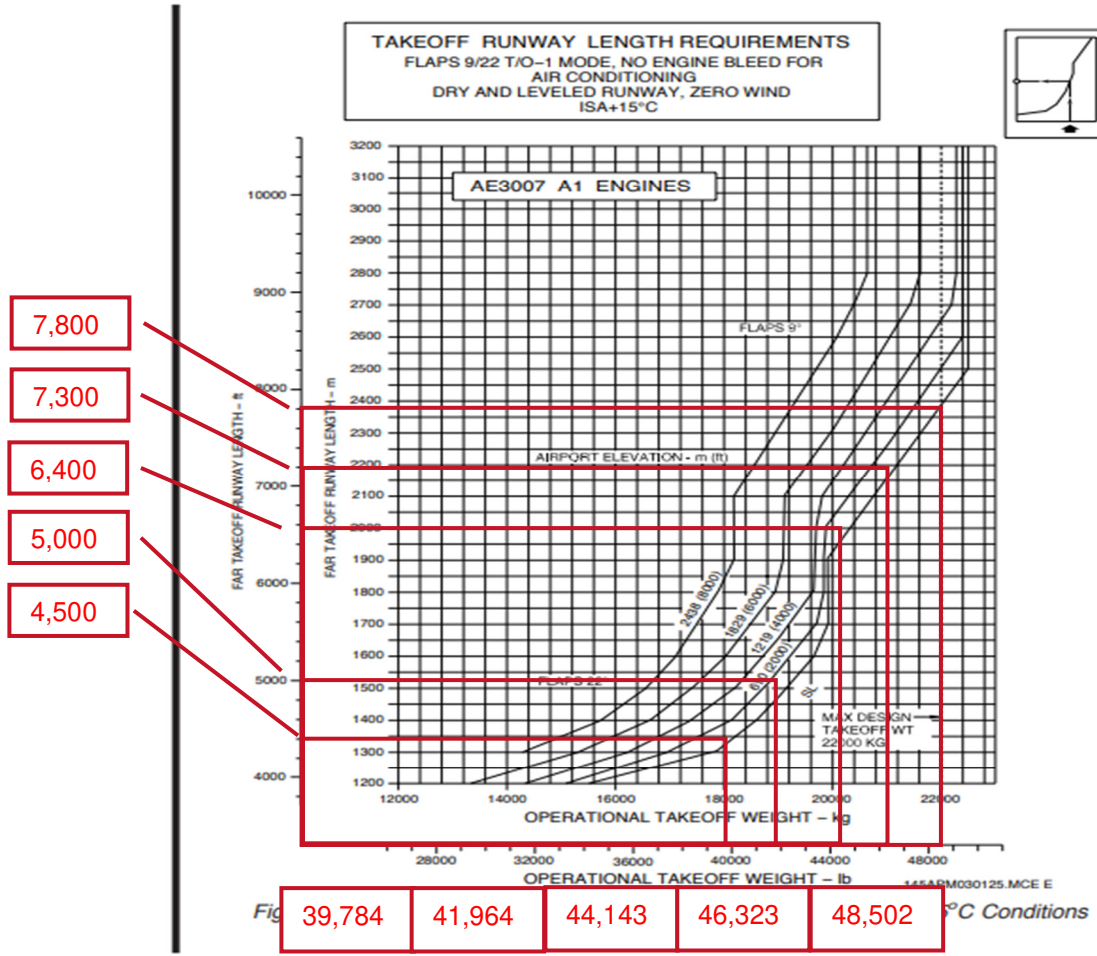
ISA + 15 Degrees C

00-03-02

Page 3  
Oct 20/2010

AIRPORT PLANNING MANUAL





145ARM030125.MCE E

3-15

REV J



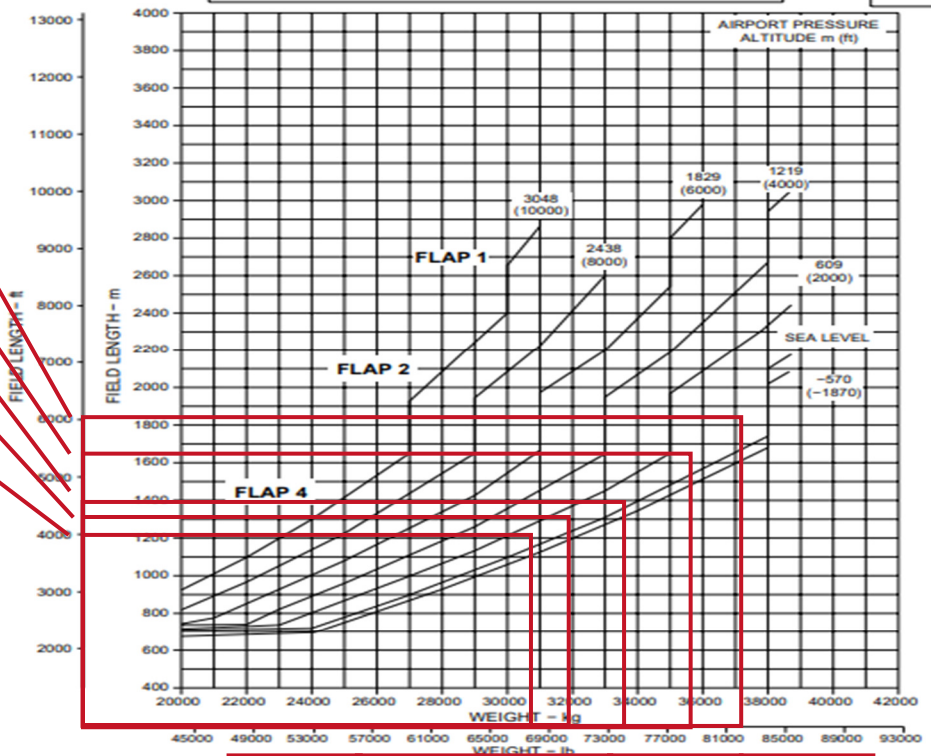
**EMBRAER 170 AIRPORT PLANNING MANUAL**

**EMB170**

**TAKEOFF FIELD LENGTH**  
 CF 34-8E5A1 ENGINE @ T/O-1 MODE  
 ATTCs: OFF / ECS: OFF  
 DRY, SMOOTH, HARD PAVED AND LEVEL RUNWAY  
 ISA+15°C



- 6,000
- 5,600
- 4,500
- 4,300
- 4,000



- 67,462
- 71,099
- 74,737
- 78,374
- 82,012

EFFECTIVITY: ALL

Section 3  
 Page 3-15  
 Oct 07/14

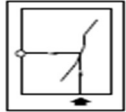




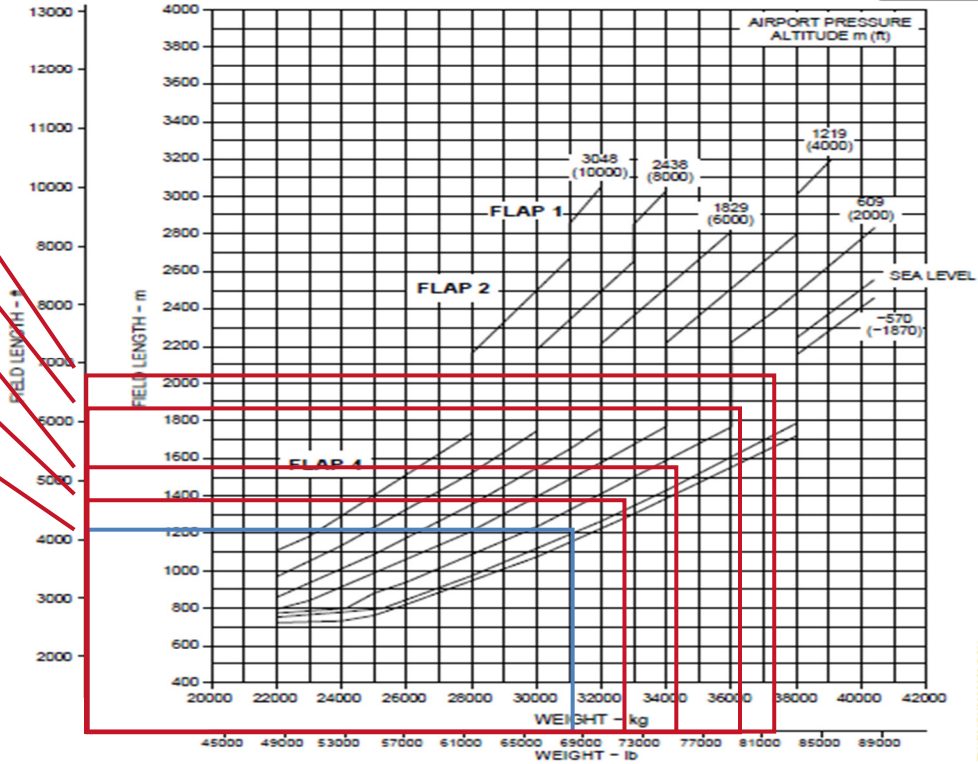
**EMBRAER 175** AIRPORT PLANNING MANUAL

**EMB175**

**TAKEOFF FIELD LENGTH**  
 CF 34-8E5 ENGINE@T/O-1 MODE  
 ATTCs: ON / ECS: OFF  
 DRY, SMOOTH, HARD PAVED AND LEVEL RUNWAY  
 ISA+15°C



- 6,700
- 6,300
- 5,400
- 4,700
- 4,200



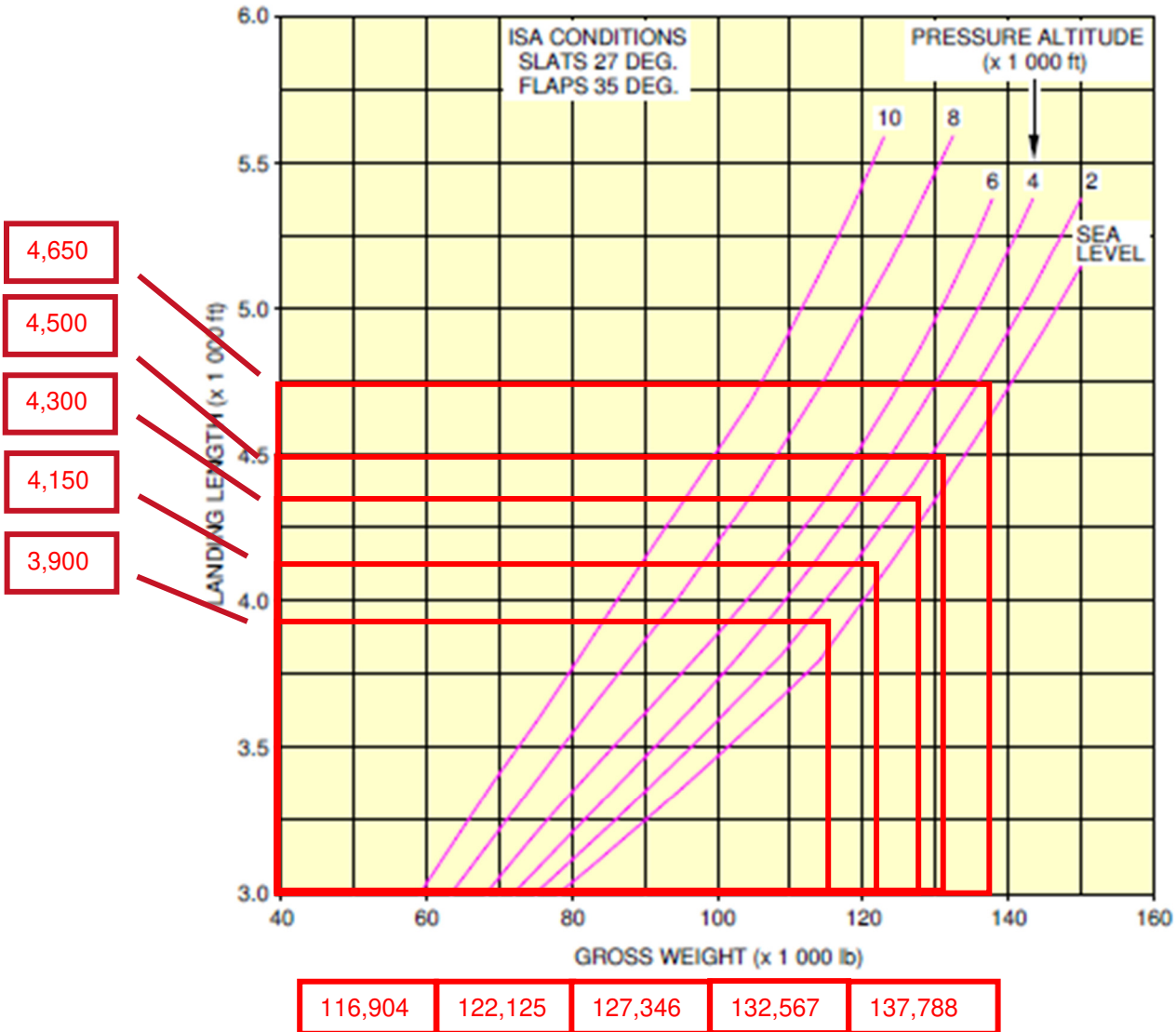
- 68,563
- 72,091
- 75,618
- 79,146
- 82,673

EFFECTIVITY: ALL

Section 3  
 Page 3-9  
 Oct 07/14

Appendix B: Airport Planning Manual Figures for Landing Runway Length Requirements

A319



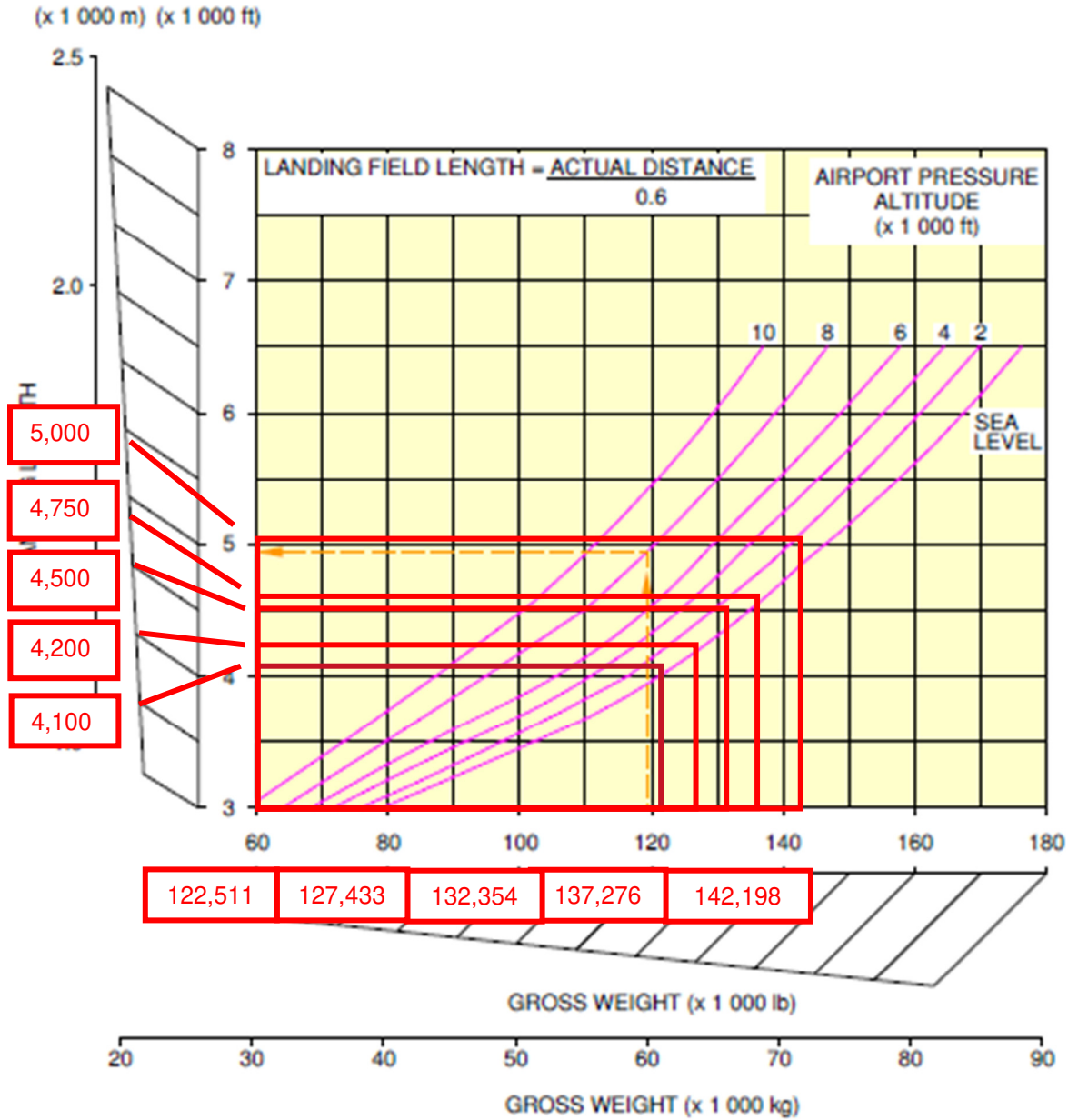
**NOTE:**  
THESE CURVES ARE GIVEN FOR INFORMATION ONLY.  
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MANUALS" SPECIFIC TO THE AIRLINE OPERATING THE AIRCRAFT.

N\_AC\_030401\_1\_0030101\_01\_01

Landing Field Length - ISA Conditions  
CFM56-5A Series Engine  
FIGURE-3-4-1-991-003-A01



A320



**NOTE:**  
THESE CURVES ARE GIVEN FOR INFORMATION ONLY.  
THE APPROVED VALUES ARE STATED IN THE "OPERATING  
MANUALS" SPECIFIC TO THE AIRLINE OPERATING THE AIRCRAFT.

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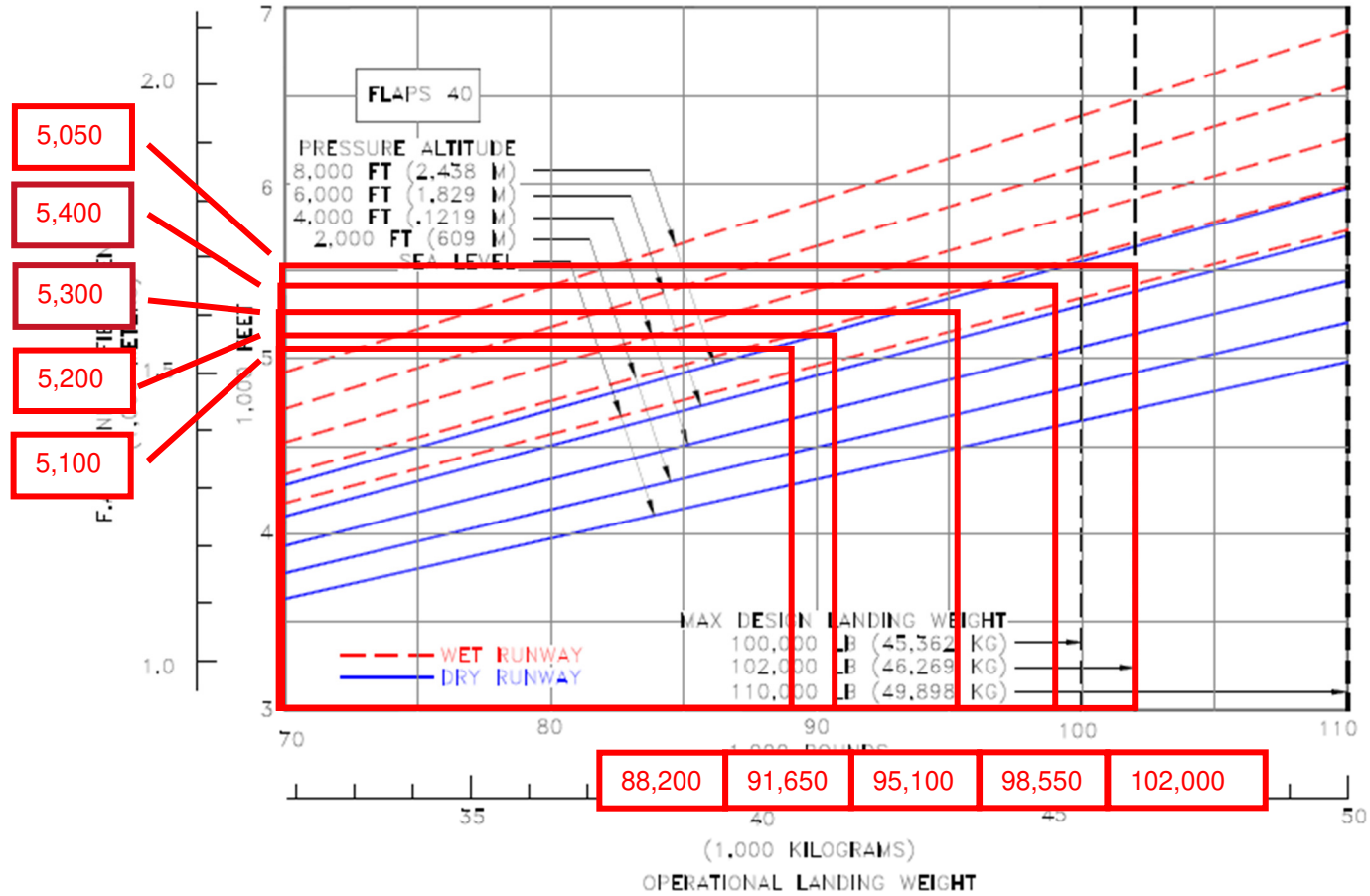
Landing Field Length - ISA Conditions  
CFM56 Series Engine  
FIGURE-3-4-1-991-005-A01

Boeing 717

3.4.1 F.A.R. LANDING RUNWAY LENGTH REQUIREMENTS - FLAPS 40  
MODEL 717-200

NOTES:

- \* STANDARD TEMPERATURE
- \* ZERO WIND, ZERO RUNWAY SLOPE
- \* SLATS EXTENDED
- \* FULL SPOILERS DEPLOYED
- \* ASSUMES MOST FORWARD CENTER OF GRAVITY
- \* NO CREDIT IS TAKEN FOR REVERSE THRUST
- \* BR715 ENGINES
- \* THRUST RATING AT 18,500 LB
- \* CONSULT USING AIRLINE FOR SPECIFIC OPERATING PROCEDURE PRIOR TO FACILITY DESIGN

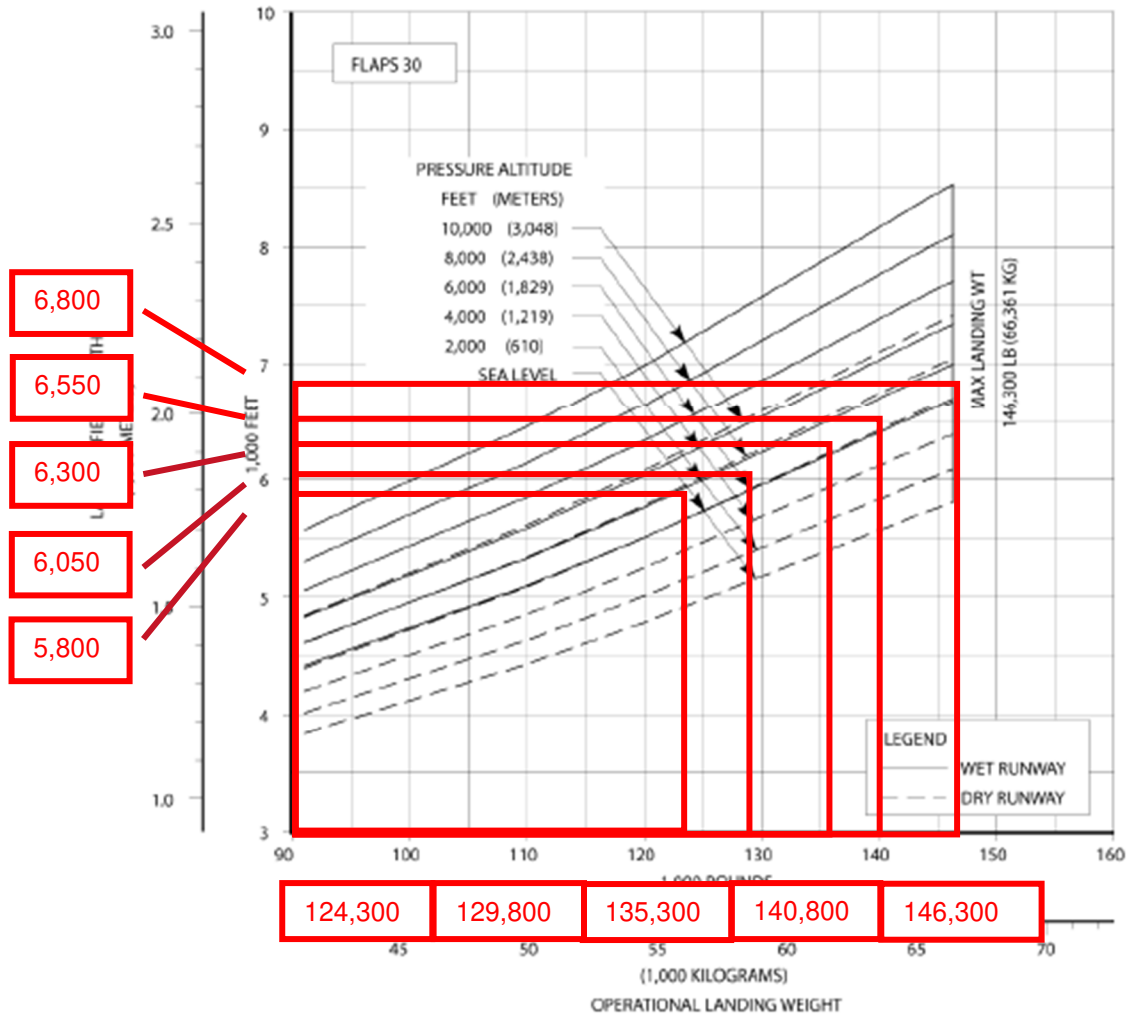


**Boeing 737-800**

DO NOT USE FOR DISPATCH

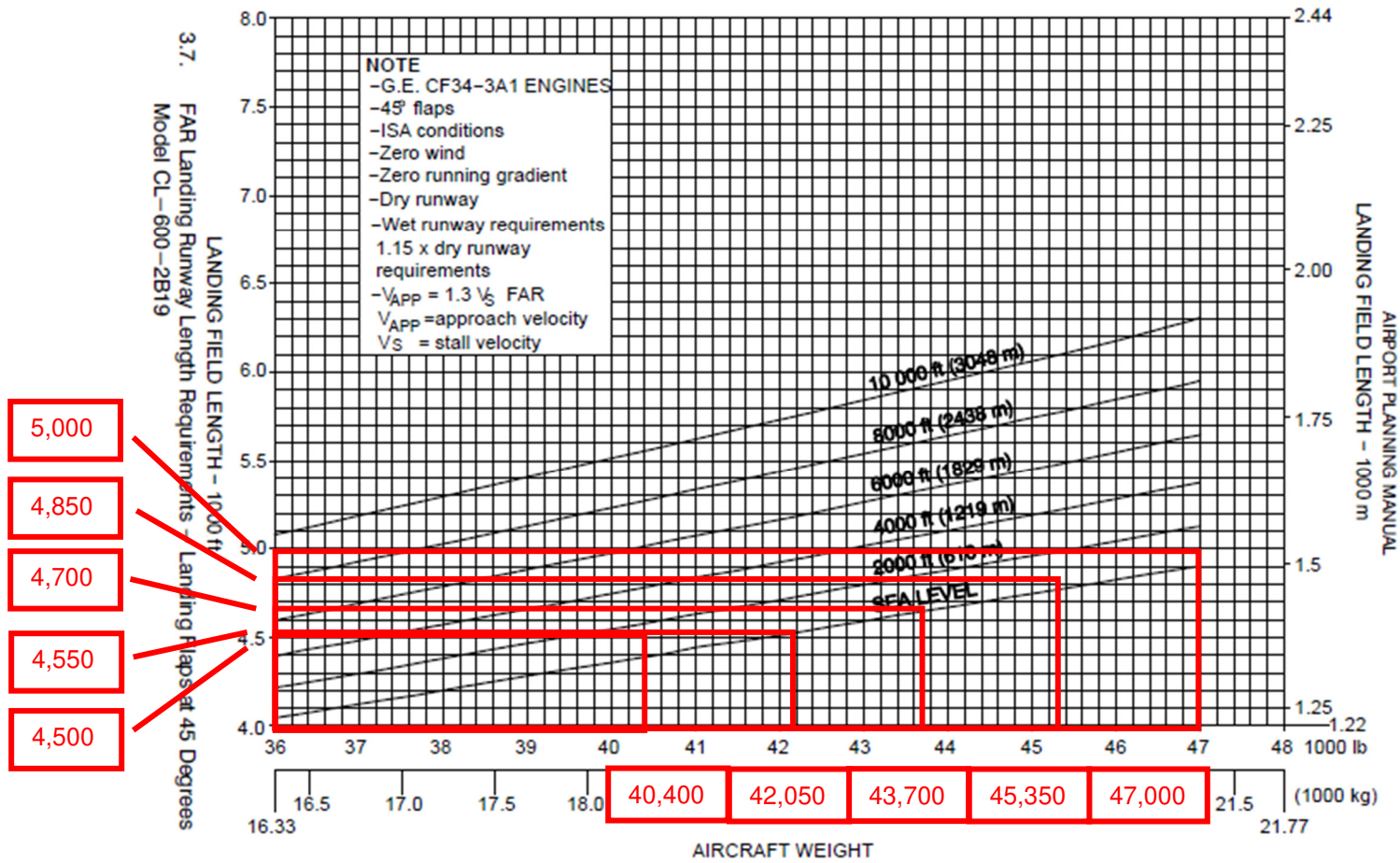
Landing Field Length  
737-800/-800W/BBJ2 (CFM56-7B Series)

- STANDARD DAY, ZERO WIND
- AUTO SPOILERS OPERATIVE
- ANTI-SKID OPERATIVE
- ZERO RUNWAY GRADIENT
- CONSULT USING AIRLINE FOR SPECIFIC OPERATING PROCEDURE PRIOR TO FACILITY DESIGN



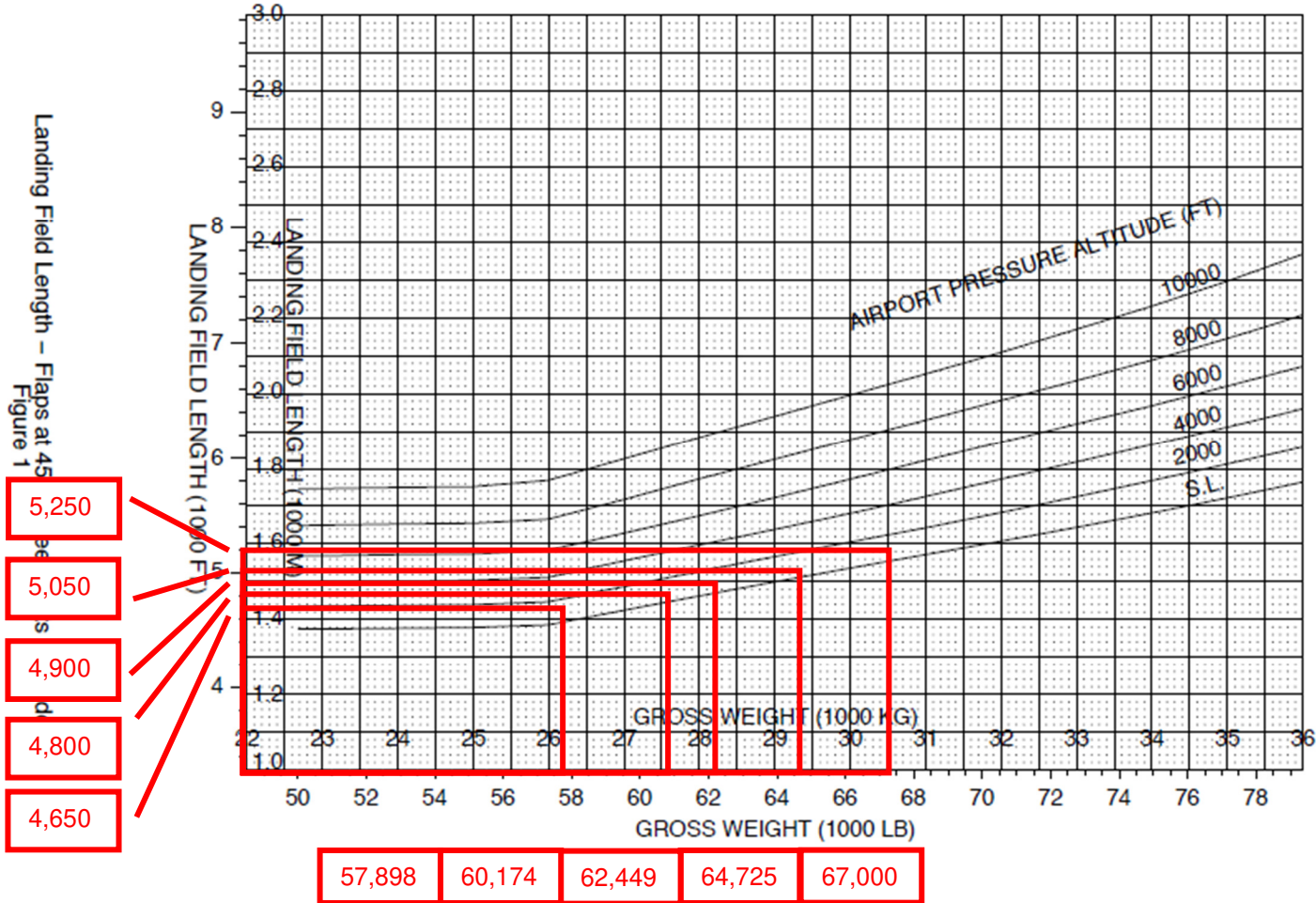
3.4.21 F.A.R. LANDING RUNWAY LENGTH REQUIREMENTS - FLAPS 30  
MODEL 737-800

CRJ200



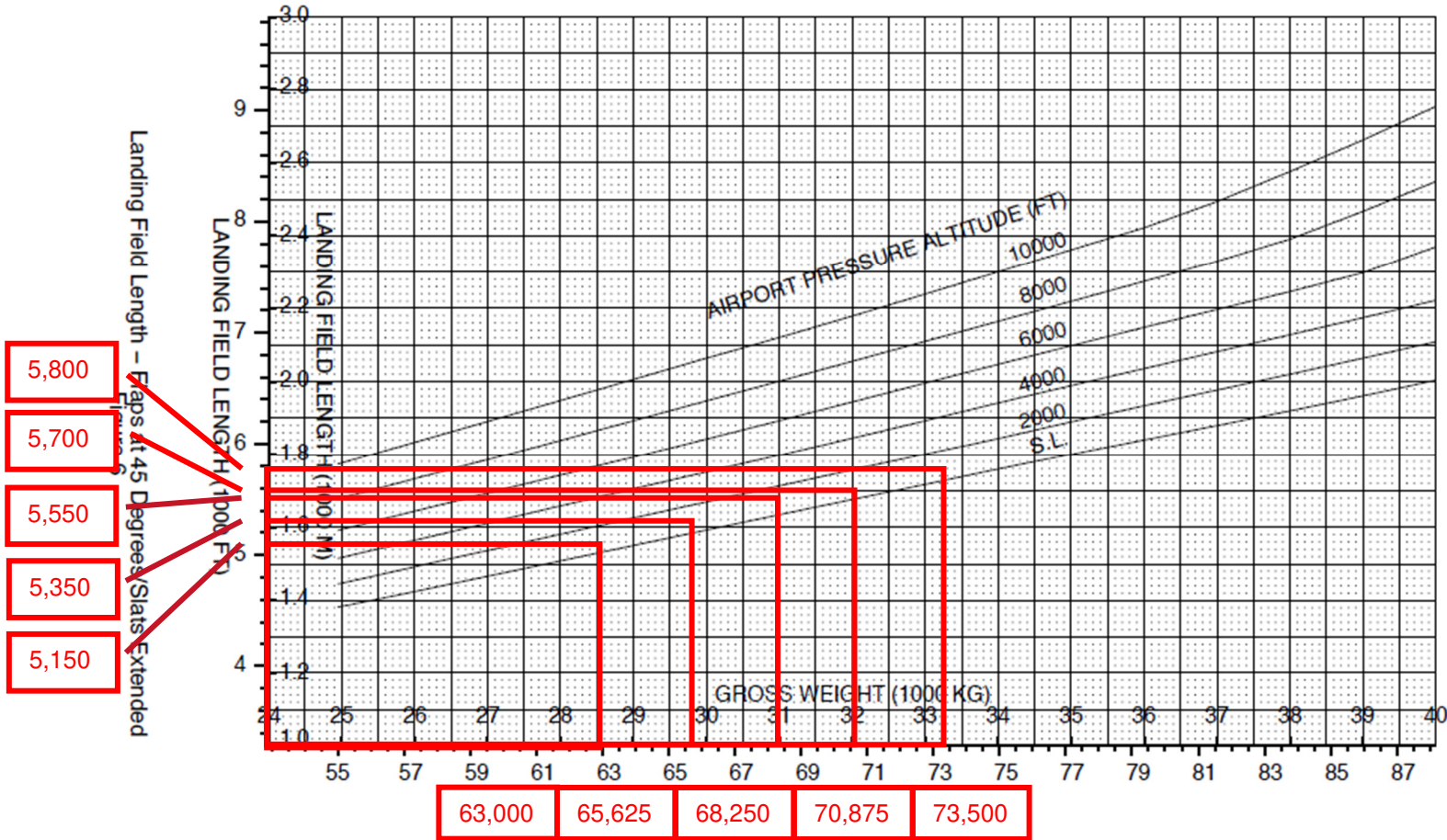
rpm0300000\_020.dg, sb, 09/02/93

CRJ700





CRJ900



AIRPORT PLANNING MANUAL



EMB145



LANDING RUNWAY LENGTH  
 DRY AND LEVELED RUNWAY  
 ZERO WIND, ISA  
 FLAPS 45°

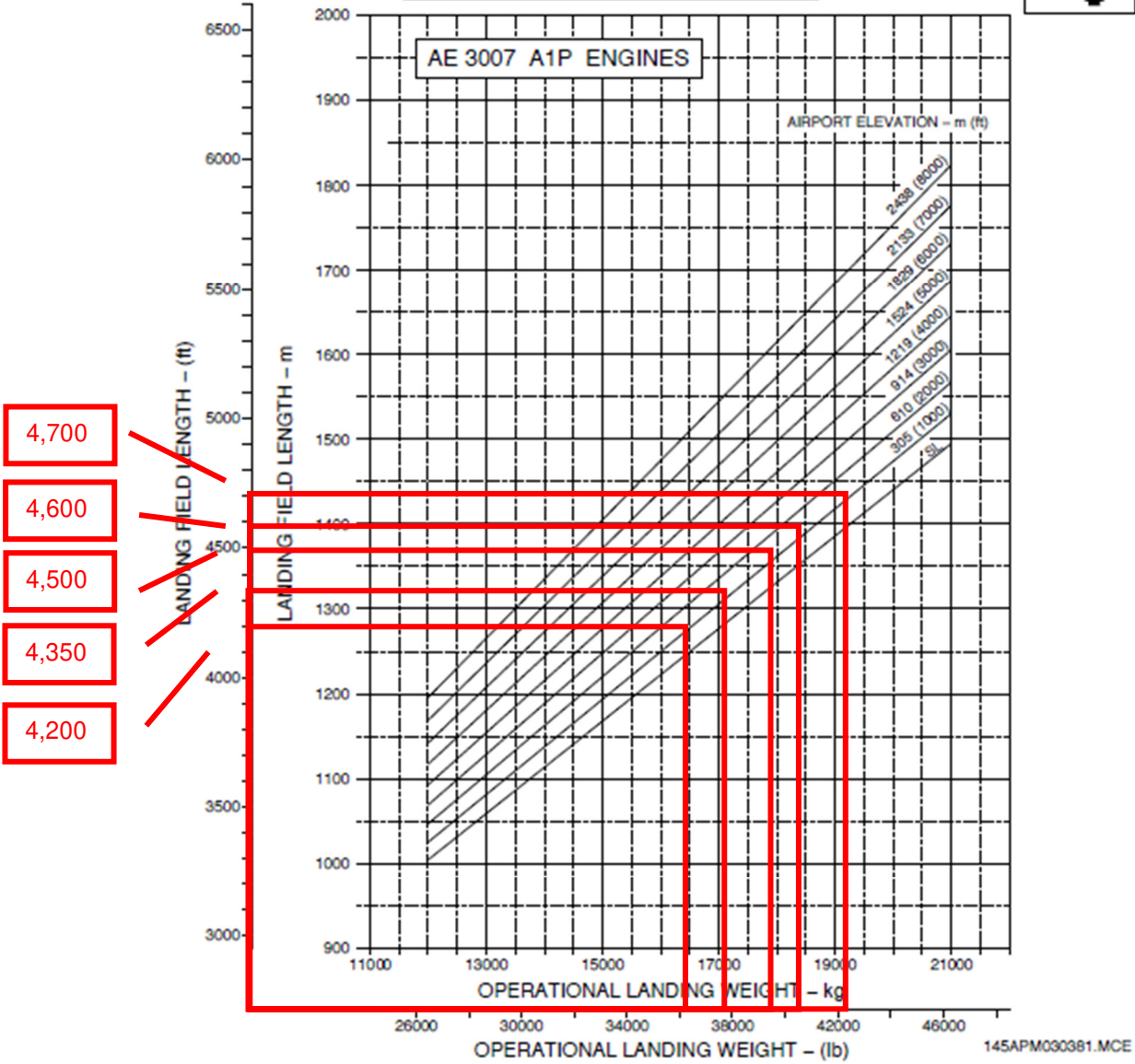
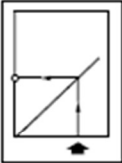


Figure 3.4.1 - FAR Landing Runway Length Requirements - Flaps 45°

36,212 37,796 39,381 40,965 42,549

EMB170



**EMBRAER 170 AIRPORT PLANNING MANUAL**

**LANDING FIELD LENGTH**  
 FLAPS FULL  
 DRY, SMOOTH, HARD PAVED AND LEVELLED RUNWAY

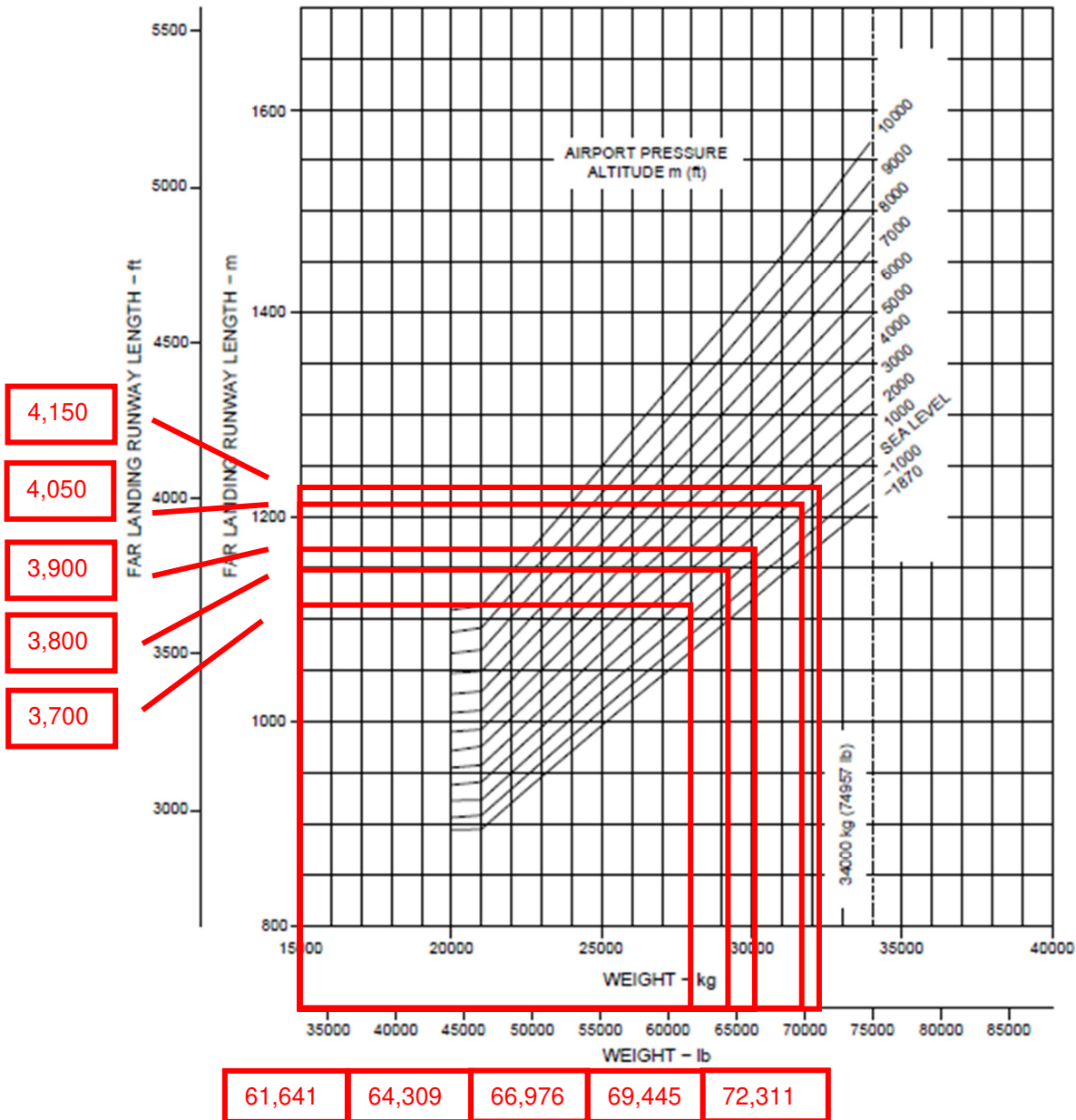
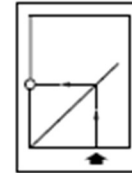


Figure 3.14

EM170APM03001 5G.DGN

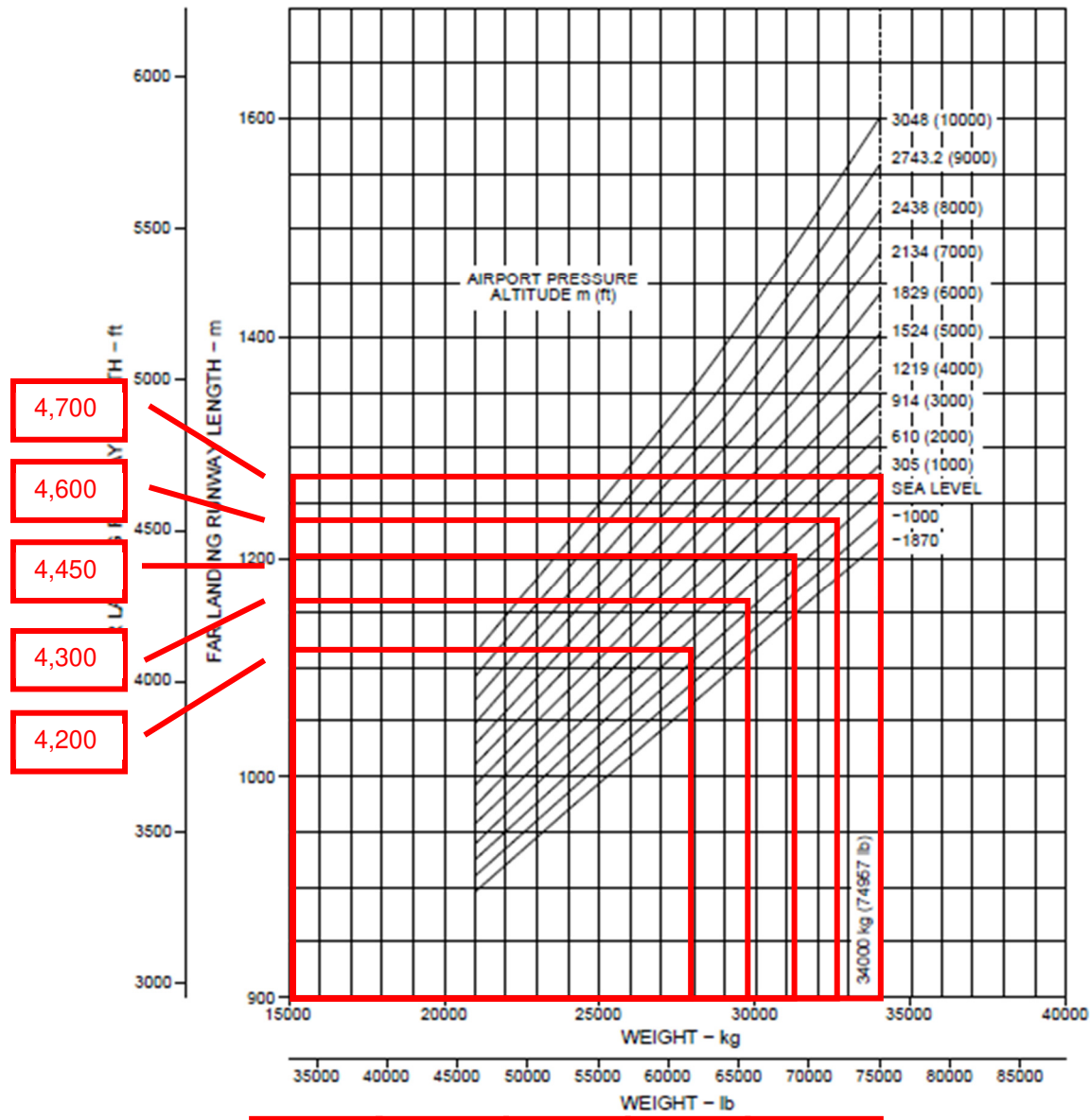
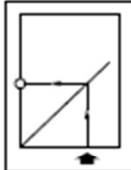


**EMB175**



**EMBRAER 175 AIRPORT  
PLANNING MANUAL**

**LANDING FIELD LENGTH**  
FLAP FULL - FAA  
ISA  
DRY, SMOOTH, HARD PAVED AND LEVELLED RUNWAY



EMB175-PM/03007-4B DGIN

**63,934    66,690    69,445    72,201    74,957**

Figure 3.14