

NOTICE

Measurements were taken with zero wind condition on dry and hard runway.
The performance are presented as a function of the altitude in feet and the temperature at the considered altitude.

Take-off and landing performance figures are based on a dry hard surface runway.

The total take-off and landing distances (taxiing and clear 50 ft) will be corrected as follows :

- Influence of runway condition :
 - Increase by : 7 % on hard sod
 10 % on short grass
 25 % on high grass
- Influence of wind :
 - . Increase by 30 % for each 10 kt rear wind
 - . Reduce by 10 % for each 10 kt headwind.

TAKE-OFF PERFORMANCE

Flaps extended

The take-off runs correspond to tests conducted (in TARBES-OSSUN), on tarred runway and compensated for concrete runway.

SECTION 5
PERFORMANCE

SOCATA
MODEL TB 10

TAKE-OFF PERFORMANCE

CONDITIONS : IAS : Lift off : 59 KIAS – 68 MPH IAS
Clear 50 ft : 65 KIAS – 75 MPH IAS

Weight : 2535 lbs (1150 kg)

NOTE :

See Paragraph "NOTICE" for corrections due to wind and runway condition.

Temperature	Distance	Pressure altitude (ft)				
		0	2000	4000	6000	8000
- 4°F (-20°C)	Roll (ft)	837	1001	1214	1460	1755
	Clear 50 ft (ft)	1296	1558	1886	2329	2920
+ 32°F (0°C)	Roll (ft)	968	1165	1394	1690	2051
	Clear 50 ft (ft)	1476	1804	2198	2739	3478
+ 59°F (+ 15°C)	Roll (ft)	1066	1280	1542	1870	2297
	Clear 50 ft (ft)	1657	2001	2461	3084	4035
+ 86°F (+ 30°C)	Roll (ft)	1181	1427	1722	2297	2543
	Clear 50 ft (ft)	1837	2231	2756	3478	4626
+ 104°F (+ 40°C)	Roll (ft)	1280	1542	1837	2231	2707
	Clear 50 ft (ft)	1968	2411	2969	3789	5118

Figure 5.4 - TAKE-OFF PERFORMANCE