

Wrocław - Strachowice
RNP
RWY 29 (CAT A/B/C/D)



Profile view diagram of the ILS approach for Runway 29 at Kona International Airport. The diagram shows the vertical profile of the approach path, including the glide slope, step climb, and various altitudes and distances. Key features include:

- Initial Approach:** Dashed line, 291° heading.
- MAPt (RW29):** Minimum Altitude Point at 2700 (2299) feet.
- Glide Slope:** Solid line, 5.2% (3.0°) descent, 291° heading.
- Step Climb 1:** At 7.1 RW29, altitude 2700 (2299) feet.
- Step Climb 2:** At 8.6 RW29, altitude 4000 (3599) feet.
- Final Climb:** At 12.5 RW29, altitude 4000 (3599) feet.
- OCA (OCH):** Obstacle Clearance Altitude (Height) at 1400 (999) feet.
- Transition Altitude:** 6500 feet.
- NM FROM THR RWY 29:** Scale from 0 to 15 NM.

OCA (OCH)						Distance FAF - MAPt 7.1 NM							
Cat. of ACFT		A	B	C	D	Speed	kt	80	100	120	140	160	180
Straight - in	LPV	596 (195)	609 (208)	617 (216)	627 (226)	Time	min : s	5 : 18	4 : 14	3 : 32	3 : 02	2 : 39	2 : 21
	LNAV / VNAV	690 (289)	700 (299)	710 (309)	720 (319)	Rate of descent	ft / min	420	530	640	740	850	950
	LNAV	860 (459)	860 (459)	860 (459)	860 (459)								
							Final approach distance/altitude (height)						
Circling (OCH AAL)*		880 (474)	900 (494)	1000 (594)	1100 (694)	Distance		6		4		2	
*Circling south of aerodrome only.						Altitude (height)		2360 (1959)		1730 (1329)		1090 (689)	

Wrocław - Strachowice
RNP
RWY 29 (CAT A/B/C/D)

EPWR RNP RWY 29 FROM WR704

SEQUENCE NUMBER	PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY - OVER	COURSE/TRACK °M (°T)	DISTANCE (NM)	TURN DIRECTION	ALTITUDE	SPEED (kt)	VPA/TCH	NAV SPEC
001	IF	WR704	-	-	-	-	+5000 ft	-	-	RNP APCH
002	TF	WR703	-	291 (296.27)	5.00	-	+4000 ft	-	-	RNP APCH
003	TF	WR702	-	291 (296.19)	3.91	-	+2700 ft	-	-	RNP APCH
004	TF	WR701	-	291 (296.12)	1.50	-	+2700 ft	-	-	RNP APCH
005	TF	RW29	Y	291 (296.09)	7.07	-	@451 ft	-	-3.0/50	RNP APCH
006	CF	WR762	Y	291 (295.96)	17.02	-	+3000 ft	-	-	RNP APCH

WAYPOINT IDENTIFIER	COORDINATES	
WR704 (IAF)	505815.0N	0171844.8E
WR703 (IF)	510027.4N	0171138.9E
WR702	510210.8N	0170605.0E
WR701 (FAP/FAF)	510250.4N	0170356.8E
RW29 (MAPt)	510556.3N	0165352.7E
WR762 (MAF)	511320.4N	0162932.0E

SBAS FAS Data Block Coding Data

EPWR RNP RWY 29	
Input Data	
Parameters	Values
Operation Type:	0
SBAS Provider:	1
Airport Identifier:	EPWR
Runway:	29
Runway Direction:	0
Approach Performance Designator:	0
Route Indicator:	
Reference Path Data Selector:	0
Reference Path Identifier:	E29A
LTP/FTP Latitude:	510556.2600N
LTP/FTP Longitude:	0165352.6500E
LTP/FTP Ellipsoidal Height (metres):	162.8
FPAP Latitude:	510633.0385N
Delta FPAP Latitude (seconds):	36.7785
FPAP Longitude:	0165152.5750E
Delta FPAP Longitude (seconds):	-120.0750
Threshold Crossing Height:	50.0
TCH Units Selector:	0
Glidepath Angle (degrees):	3.00
Course Width (metres):	105.00
Length Offset (metres):	0
HAL (metres):	40.0
VAL (metres):	35.0

Output Data										
Data Block	10	12	17	10	05	1D	00	00	01	39
	32	05	48	E6	ED	15	14	77	40	07
	5C	1A	55	1F	01	EA	55	FC	F4	01
	2C	01	64	00	C8	AF	5D	30	3F	D5
Calculated CRC Value	5D303FD5									

Required Additional Data (not CRC wrapped)	
ICAO Code	WR
LTP/FTP Orthometric Height (metres)	122.2