

**BAUER**

FOR A GREEN WORLD

Technical data

Centerstar 168 EL

System length (7 Spans with overhang) _____ **1319 ft**
Irrigated area incl. end gun _____ **128,5 acre**

Span

Span type	168 EL	
Span lengths	177	ft
Number of spans	7	
Span length with coupling	176.93	m
Pipe diameter	6-5/8	
Height of machine	13.78	m
Clearance	10.17	m
Weight with water	6890	lb

Motor / tires

Number of spans	7	
Drive Motor	0,55 kW 60Hz 40:1	
Tires	14,9-24	
Max. soil pressure	14,2	N/cm ²

Nozzle packages

Spans with overhang	2	6
Nozzles	i-Wob	i-Wob
Pressure reducing valve	PSR-15	PSR-15
Nozzle above track	180° nozzles	180° nozzles

Additional System Data

Length of overhang _____	76.77 ft
System length _____	1316 ft
Irrigated radius incl. end gun _____	1334 ft
Irrigation angle _____	360 °
Daily operating time _____	24 h
Water consumption _____	951 US gpm
Irrigation capacity _____	0.39 in/day
Max. travelling speed _____	617 ft/h
Min. cycle time at max. driving speed _____	12 h 36 min
Min. precipitation rate per run _____	0.21 in
Min. precipitation rate on last span _____	2.65 in/h



Technical data

Nozzle pressure at last supply point _____	1,03 bar
Different Altitude _____	0 ft
Connecting pressure _____	2,58 bar
Mains voltage _____	460 V
Mains frequency _____	60 Hz
Required mains connection _____	4,74 kW
Required generator size _____	7,15 kVA
Nozzle diameter _____	0,31 in
Pressure at end gun _____	1,03 bar
Spray range _____	21,16 ft
Actually useable distance of throw _____	80 %
Add. spray range _____	16,93 Ft
Water consumption _____	9,90 gpm
Irrigation angle _____	360 °
Additional area _____	1,51 acre
In percent _____	1 %



Performance chart Centerstar 168 EL

System length (7 Spans with overhang) _____	1319 ft
Irrigated area incl. end gun _____	128,5 acre
Daily operating time _____	24 h
Water consumption _____	951 US gpm
Irrigation capacity _____	0.39 in/day

Timer setting at requested precipitation rate

Irrigation capacity, in	Cycle time	Speed, ft/h	Timer
0,21	12 h 36 min	617	100 %
0.28	16 h 48 min	462	75 %
0,32	19 h 12 min	407	66 %
0.35	21 h 36 min	361	58 %
0.39	24 h	325	53 %
0.59	36 h	216	35 %
0.79	48 h	162	26 %
0.98	60 h	130	21 %
1.18	72 h	108	18 %
1.38	84 h	93	15 %

Timer setting at requested cycle time

Cycle time	Irrigation capacity, in	Speed ft/h	Timer
18 h	0.30	433	70 %
24 h	0.39	325	53 %
36 h	0.59	216	35 %
48 h	0.79	162	26 %
60 h	0.98	130	21 %
72 h	1.18	108	18 %
84 h	1.38	93	15 %
96 h	1.57	81	13 %

For heavy soils we recommend to select a low precipitation rate and/or short cycle times!