

## Czeska 12

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- Gravity **13.1 BLG**
- ABV ---
- IBU **41**
- SRM **4.9**
- Style **Bohemian Pilsener**

### Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **15.9 liter(s)**

### Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **11.1 liter(s)**
- Total mash volume **14.4 liter(s)**

### Steps

- Temp **64 C**, Time **10 min**
- Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **11.1 liter(s)** of strike water to **70.6C**
- Add grains
- Keep mash **10 min** at **64C**
- Keep mash **40 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **8.2 liter(s)** of **76C** water or to achieve **15.9 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	3 kg (89.6%)	80 %	4
Grain	Carahell	0.15 kg (4.5%)	77 %	26
Grain	Strzegom Monachijski typ II	0.2 kg (6%)	79 %	22

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Saaz (Czech Republic)	15 g	10 min	4.5 %
Boil	Saaz (Czech Republic)	15 g	5 min	4.5 %
Aroma (end of boil)	Saaz (Czech Republic)	20 g	1 min	4.5 %
Boil	lunga	17 g	60 min	11 %