

## #56 Czeska 13

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **34**
- SRM **4.4**
- Style **Bohemian Pilsener**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **7.5 %**
- Size with trub loss **22.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **11.11 %/h**
- Boil size **26 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.9 liter(s)**
- Total mash volume **21.2 liter(s)**

### Steps

- Temp **66 C**, Time **20 min**
- Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **10 min**

### Mash step by step

- Heat up **15.9 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **20 min** at **66C**
- Keep mash **40 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **15.4 liter(s)** of **76C** water or to achieve **26 liter(s)** of wort

### Fermentables

| Type  | Name                        | Amount        | Yield | EBC |
|-------|-----------------------------|---------------|-------|-----|
| Grain | Strzegom Pilzneński         | 4.4 kg (83%)  | 80 %  | 4   |
| Grain | Weyermann - Carapils        | 0.5 kg (9.4%) | 78 %  | 4   |
| Grain | Strzegom Monachijski typ II | 0.4 kg (7.5%) | 79 %  | 22  |

### Hops

| Use for             | Name                  | Amount | Time   | Alpha acid |
|---------------------|-----------------------|--------|--------|------------|
| Boil                | Hallertau Tradition   | 40 g   | 60 min | 5 %        |
| Boil                | Hallertau Tradition   | 40 g   | 20 min | 5 %        |
| Aroma (end of boil) | Saaz (Czech Republic) | 50 g   | 0 min  | 4.5 %      |

### Yeasts

| Name                   | Type  | Form   | Amount  | Laboratory       |
|------------------------|-------|--------|---------|------------------|
| FM30 Bohemska rapsodia | Lager | Liquid | 1500 ml | Fermentum Mobile |

### Extras

| Type   | Name           | Amount | Use for | Time   |
|--------|----------------|--------|---------|--------|
| Fining | mech irlandzki | 3 g    | Boil    | 10 min |

## Notes

- Na bazie <https://www.piwo.org/forums/topic/9847-czeska-trzynastka/>  
Feb 12, 2023, 11:20 PM