

## Stout zimowy

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- Gravity **21.6 BLG**
- ABV **9.7 %**
- IBU **68**
- SRM **44.2**
- Style **Russian Imperial Stout**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **26.4 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **27 liter(s)**
- Total mash volume **36 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (55.6%)	80 %	5
Grain	Strzegom Monachijski typ II	3 kg (33.3%)	79 %	22
Grain	Carafa II special	0.5 kg (5.6%)	70 %	812
Grain	Carafa III special	0.5 kg (5.6%)	70 %	1034

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	100 g	60 min	8.8 %

### Yeasts

Name	Type	Form	Amount	Laboratory
US05	Ale	Slant	300 ml	---