

## XIII warka Porter Bałtycki

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- Gravity **20.7 BLG**
- ABV **9.2 %**
- IBU **20**
- SRM **36.3**
- Style **Baltic Porter**

### Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **120 min**
- Evaporation rate **10 %/h**
- Boil size **20.8 liter(s)**

### Mash information

- Mash efficiency **82 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.9 liter(s)**
- Total mash volume **23.8 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Monachijski typ I	2.7 kg (45.4%)	79 %	16
Grain	Strzegom Pilzneński	2.5 kg (42%)	80 %	4
Grain	Strzegom Karmel 300	0.4 kg (6.7%)	70 %	299
Grain	Jęczmień palony	0.1 kg (1.7%)	55 %	985
Grain	Strzegom Czekoladowy ciemny	0.25 kg (4.2%)	68 %	1200

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Premiant	25 g	50 min	8 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Saflager W 34/70	Lager	Dry	11.5 g	Fermentis