

dziwne ipa sosnowa

- Gravity **18.2 BLG**
- ABV **7.8 %**
- IBU **8**
- SRM **5.6**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **33 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **22.8 liter(s)**
- Total mash volume **31.9 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	7.4 kg (81.3%)	80 %	5
Grain	Wheat, Flaked	0.4 kg (4.4%)	77 %	4
Grain	Oats, Flaked	0.5 kg (5.5%)	80 %	2
Grain	Barley, Flaked	0.4 kg (4.4%)	70 %	4
Grain	Strzegom Karmel 30	0.4 kg (4.4%)	75 %	30

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	10 g	60 min	10 %
Whirlpool	Equinox	20 g	1 min	13.1 %
Whirlpool	Galaxy	20 g	1 min	14.5 %
Whirlpool	Centennial	20 g	1 min	9.4 %