

# Double ipa Kuźnia

- Gravity **17.7 BLG**
- ABV **7.6 %**
- IBU **44**
- SRM **5.9**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.3 liter(s)**
- Total mash volume **28.4 liter(s)**

## Steps

- Temp **65 C**, Time **45 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **21.3 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **45 min** at **65C**
- Keep mash **20 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **11.1 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess - Pale Ale Malt	5.5 kg (77.5%)	80 %	7
Grain	Płatki pszeniczne	1.2 kg (16.9%)	85 %	3
Grain	Płatki owsiane	0.4 kg (5.6%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Nelson Sauvín	50 g	15 min	11 %
Whirlpool	Nelson Sauvín	50 g	30 min	11 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Hazy Daze	Ale	Slant	100 ml	Fermentum Mobile