

# Jackie Sharp

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **41**
- SRM **19.7**
- Style **Brown IPA**

## Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.6 liter(s)**
- Total mash volume **24.8 liter(s)**

## Fermentables

| Type  | Name                        | Amount        | Yield  | EBC |
|-------|-----------------------------|---------------|--------|-----|
| Grain | Thomas Fawcett Halcyon      | 2 kg (32.3%)  | 80.5 % | 5   |
| Grain | Strzegom Pilzniejszy        | 1 kg (16.1%)  | 80 %   | 4   |
| Grain | Fawcett - Pale Amber        | 1 kg (16.1%)  | 75 %   | 60  |
| Grain | Briess - Victory Malt       | 0.5 kg (8.1%) | 75 %   | 55  |
| Grain | Briess - Special Roast Malt | 0.5 kg (8.1%) | 72 %   | 79  |
| Grain | Weyermann - Special X       | 0.5 kg (8.1%) | 75 %   | 300 |
| Grain | Weyermann - Carawheat       | 0.5 kg (8.1%) | 77 %   | 97  |
| Grain | Płatki owsiane              | 0.2 kg (3.2%) | 85 %   | 3   |

## Hops

| Use for             | Name               | Amount | Time   | Alpha acid |
|---------------------|--------------------|--------|--------|------------|
| Aroma (end of boil) | East Kent Goldings | 50 g   | 15 min | 5.1 %      |
| Boil                | Challenger         | 40 g   | 60 min | 7 %        |
| Aroma (end of boil) | Challenger         | 10 g   | 10 min | 7 %        |

## Yeasts

| Name                           | Type | Form | Amount | Laboratory      |
|--------------------------------|------|------|--------|-----------------|
| EMPIRE ALE M15 Mangrove Jack's | Ale  | Dry  | 11.5 g | Mangrove Jack's |

## Extras

| Type   | Name                      | Amount | Use for   | Time      |
|--------|---------------------------|--------|-----------|-----------|
| Flavor | Jack Daniel's - Oak Chips | 35 g   | Secondary | 10 day(s) |