

```
9 40 10 120 140 160 180 200 Confirmation time for 7 block (in sec)
```

## Calculations for 12 block confirmation time

In [ ]:

```
In [12]:
    arr_avg12 = []
    for i in range(0,result.shape[0]):
        time = result["time_in_seconds"].iloc[i]
        blocks = result["blockss"].iloc[i]
        arr_avg12.append(12*time/blocks)
    result["time_per_12_blocks"] = arr_avg12
In [13]: result["time_per_12_blocks"].describe()
                                    421.000000
178.113079
53.187375
Out[13]: count
                   mean
                   std
                                       90.000000
                                    144.000000
174.000000
                   25%
                   50%
                   75%
                                    205.714286
                   max 360.000000
Name: time_per_12_blocks, dtype: float64
In [29]: graph = result["time_per_12_blocks"].hist(bins=80)
graph.set_xlabel("Confirmation time for 12 block (in sec)")
graph.set_ylabel("Number of Transactions")
Out[29]: Text(0, 0.5, 'Number of Transactions')
                         60
                         50
                     Number of Transactions
                         40
                         30
                         20
                         10
                                               150 200 250 300
Confirmation time for 12 block (in sec)
```