#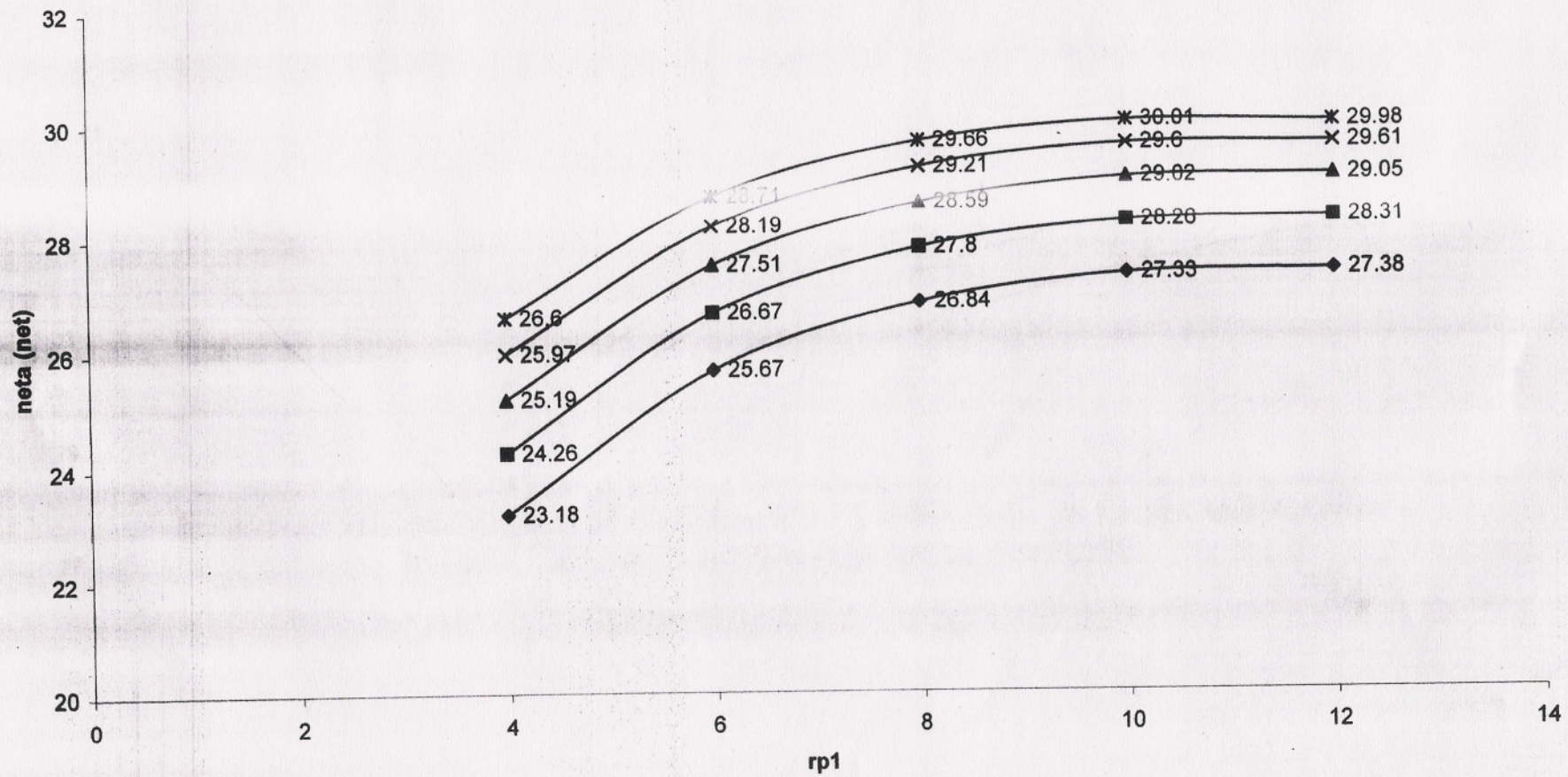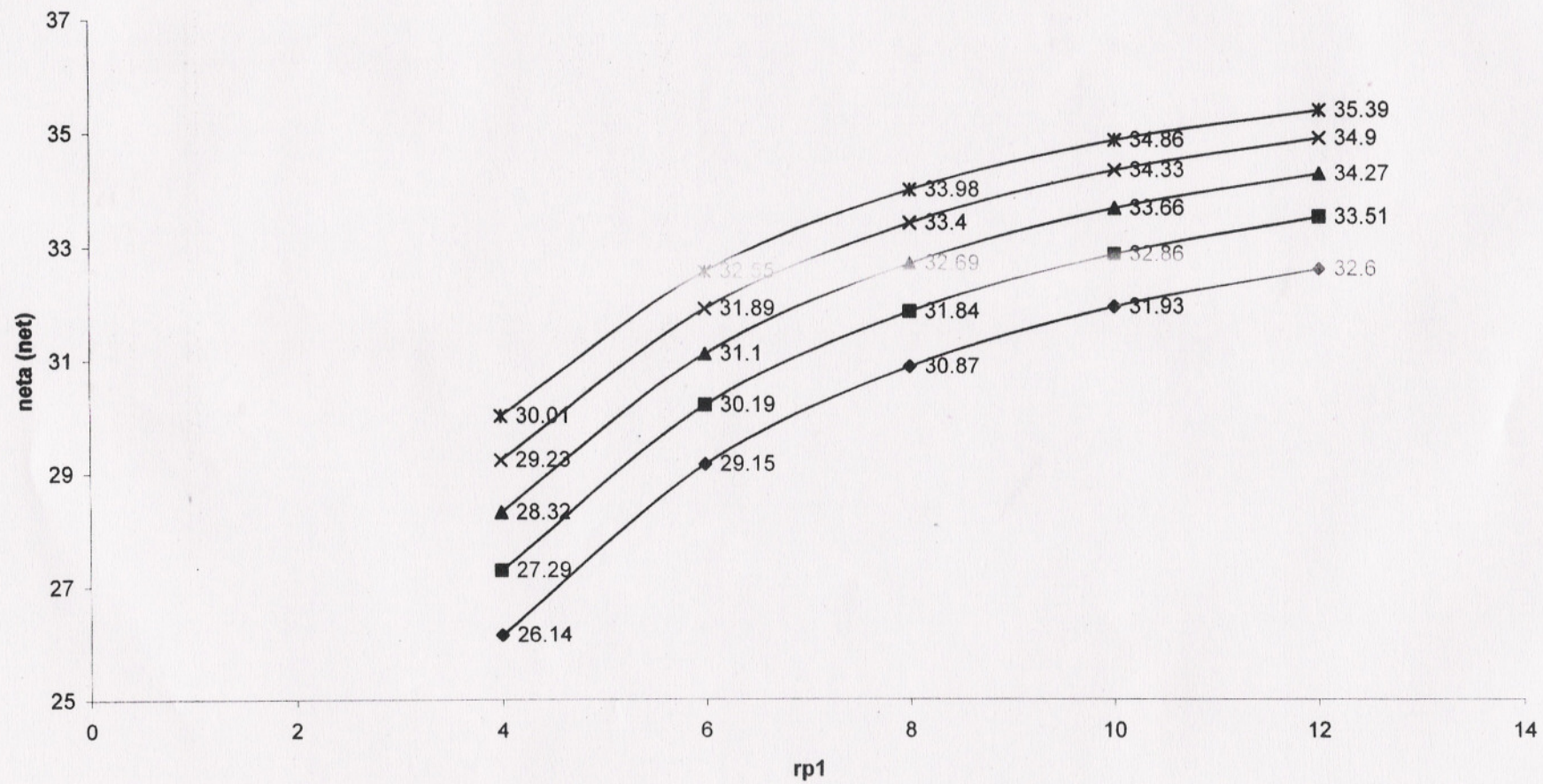 Varition of efficiency of comnined cycle l:e neta (net) w.r.t pressure ratio of ABC "rp1"with no intercooler at, t3t=1000

──◆── mab=52   ──■── mab=57   ──▲── mab=62   ──✕── mab=67   ──✳── mab=72

Data labels on the chart:

- mab=72 (✳): 26.6, 28.71, 29.66, 30.01, 29.98
- mab=67 (✕): 25.97, 28.19, 29.21, 29.6, 29.61
- mab=62 (▲): 25.19, 27.51, 28.59, 29.02, 29.05
- mab=57 (■): 24.26, 26.67, 27.8, 28.26, 28.31
- mab=52 (◆): 23.18, 25.67, 26.84, 27.33, 27.38

Y-axis: neta (net), range 20 to 32
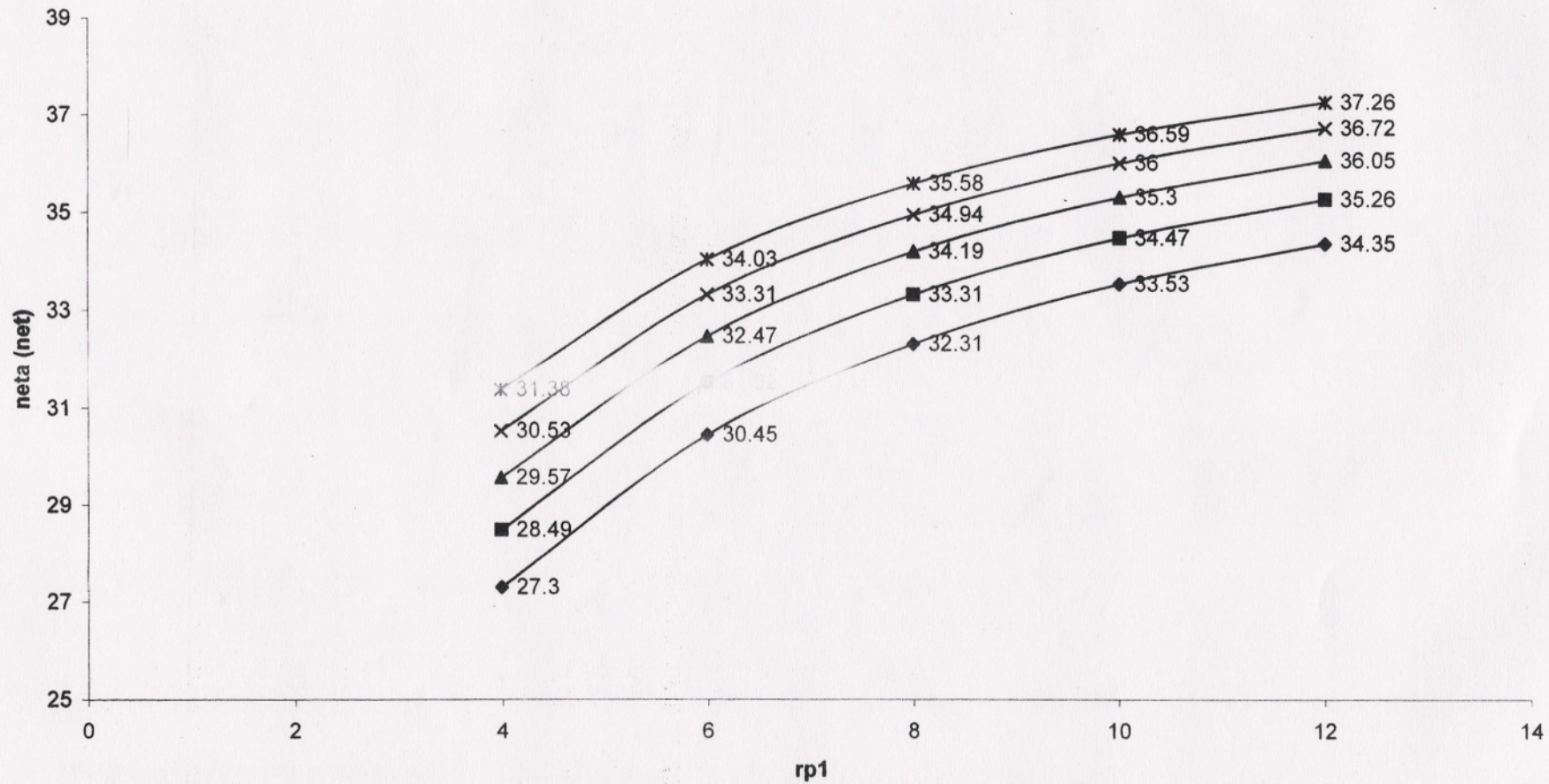X-axis: rp1, range 0 to 14

Varition of efficiency of combined cycle I:e neta (net) w.r.t pressurs ratio of ABC "rp1" no intercooler at t3t=1200

Legend: → mab=52 → mab=57 → mab=62 → mab=67 → mab=72

Data points (neta net vs rp1):

mab=72: 30.01 (rp1=4), 33.98 (rp1=6 region), 34.86, 35.39
mab=67: 29.23, 31.89, 33.4, 34.33, 34.9
mab=62: 28.32, 31.1, 32.69, 33.66, 34.27
mab=57: 27.29, 30.19, 31.84, 32.86, 33.51
mab=52: 26.14, 29.15, 30.87, 31.93, 32.6

Additional labels: 32.55, 32.69

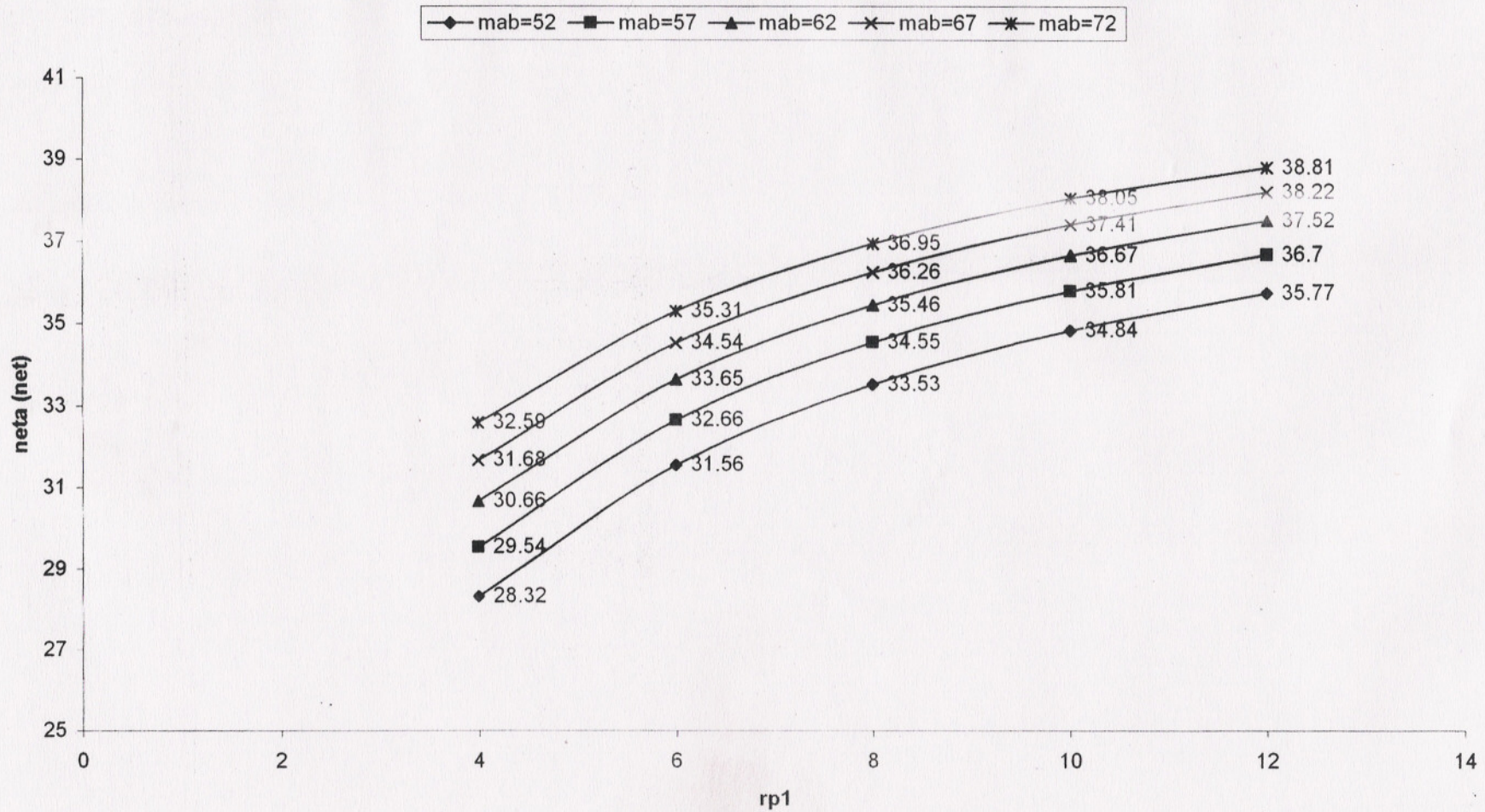Axis: neta (net) from 25 to 37; rp1 from 0 to 14

Varition of efficiency of combined cycle I:e neta (net) w.r.t pressure ratio of ABC"rp1" with no intercooler at t3t=1300

Legend: → mab=52 ■ mab=57 ▲ mab=62 ✕ mab=67 ✳ mab=72

Y-axis: neta (net), range 25 to 39

X-axis: rp1, range 0 to 14

Data labels:
- 37.26
- 36.72
- 36.59
- 36.05
- 36
- 35.58
- 35.3
- 35.26
- 34.94
- 34.47
- 34.35
- 34.19
- 34.03
- 33.53
- 33.31
- 33.31
- 32.47
- 32.31
- 31.38
- 30.53
- 30.45
- 29.57
- 28.49
- 27.3

Varition of efficiency of combined cycle I:e neta (net) w.r.t pressure ratio of ABC "rp1" with no intercooler at t3t=1400

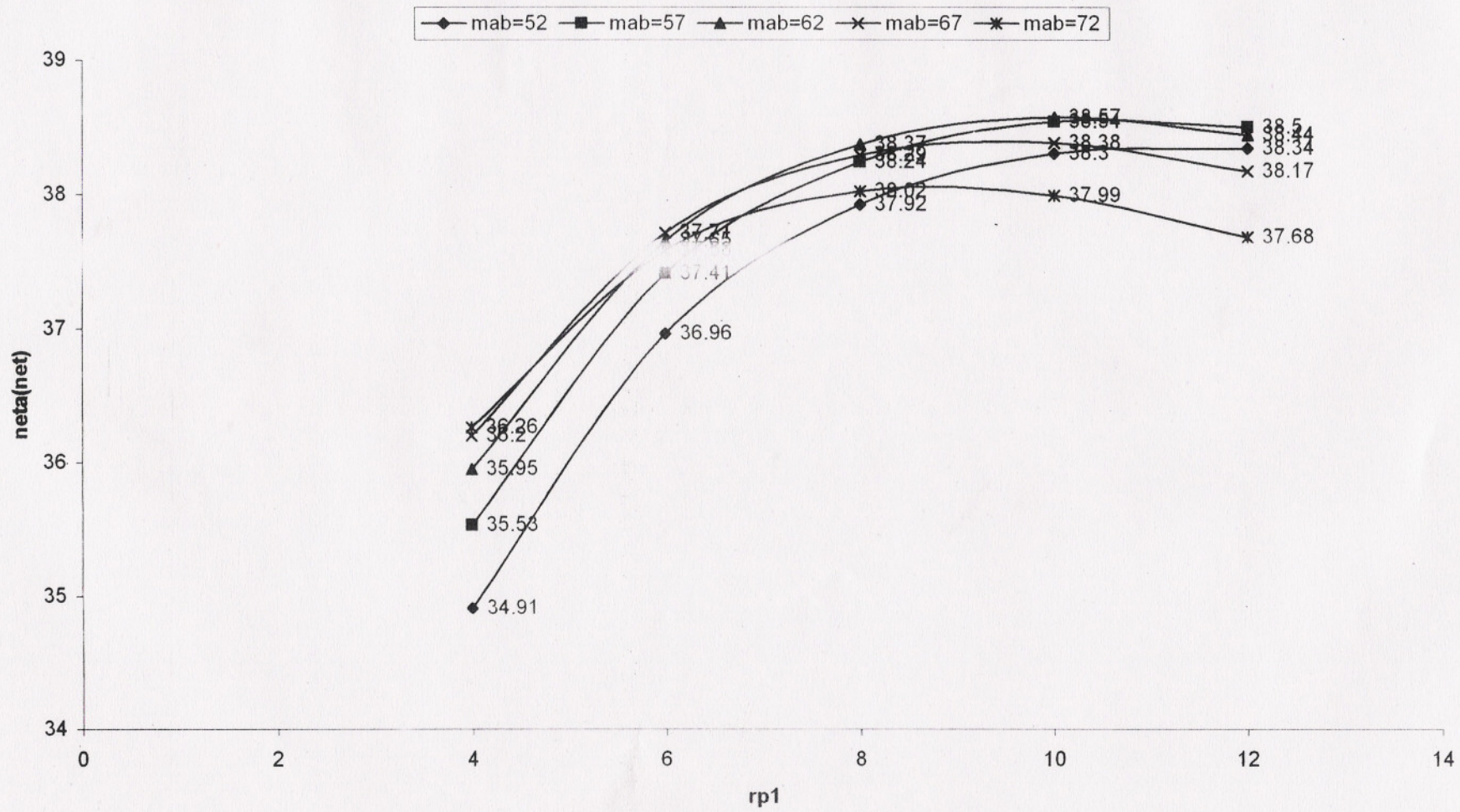Legend: —◆— mab=52 —■— mab=57 —▲— mab=62 —✕— mab=67 —✱— mab=72

Y-axis: neta (net)

X-axis: rp1

Data point labels:
38.81, 38.22, 38.05, 37.52, 37.41, 36.95, 36.7, 36.67, 36.26, 35.81, 35.77, 35.46, 35.31, 34.84, 34.55, 34.54, 33.65, 33.53, 32.66, 32.59, 31.68, 31.56, 30.66, 29.54, 28.32
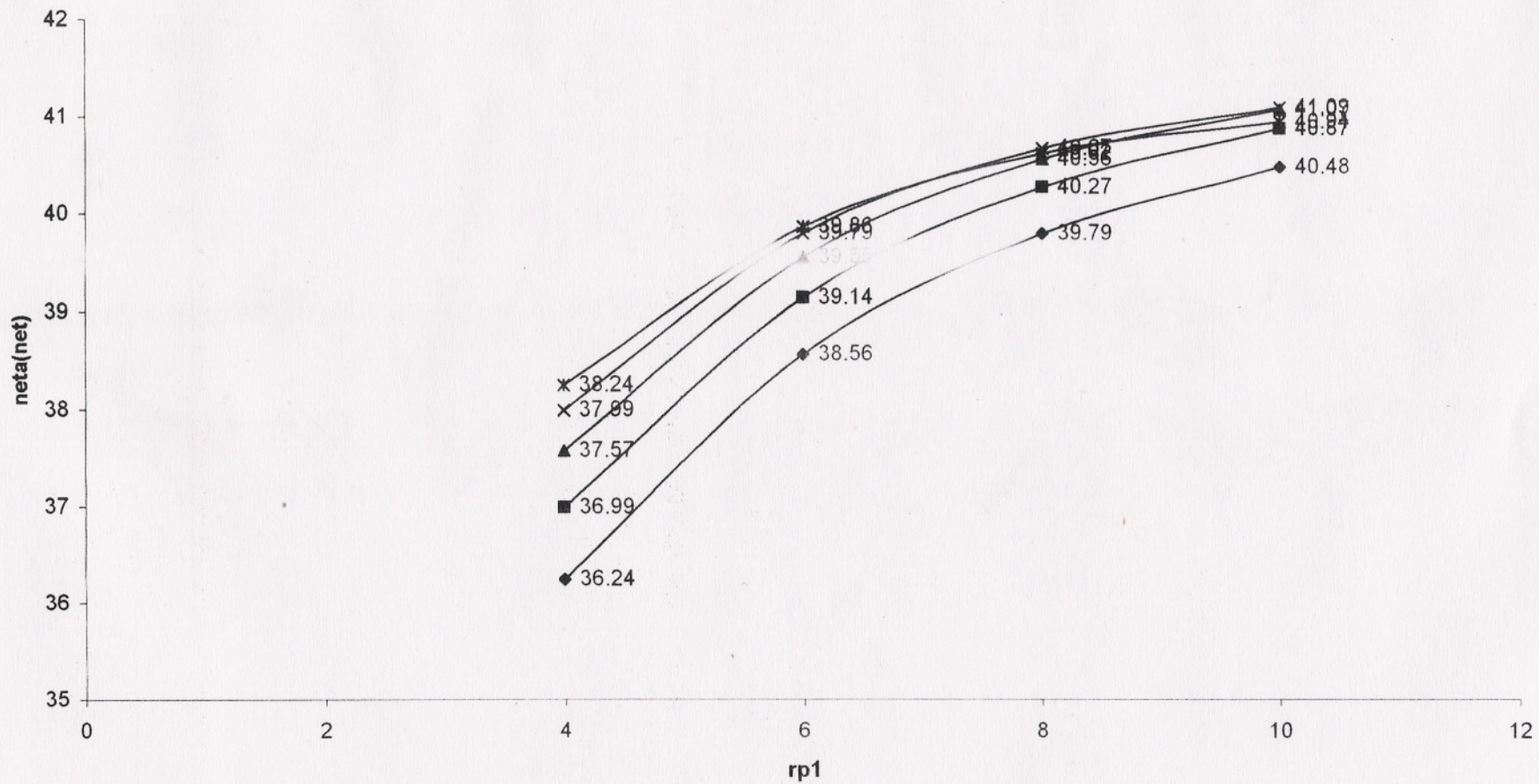
varition of efficiency of combined cycle w.r.tpressure ratio of topping cycle of ABC " rp1"with one inter cooler at t3t=1000

Legend: mab=52, mab=57, mab=62, mab=67, mab=72

Data labels visible on plot:
- 38.57, 38.54
- 38.5, 38.44, 38.34
- 38.37, 38.38, 38.34
- 38.24, 38.3
- 38.17
- 38.02, 37.99
- 37.92
- 37.74, 37.68
- 37.68
- 37.41
- 36.96
- 36.36, 36.2
- 35.95
- 35.53
- 34.91

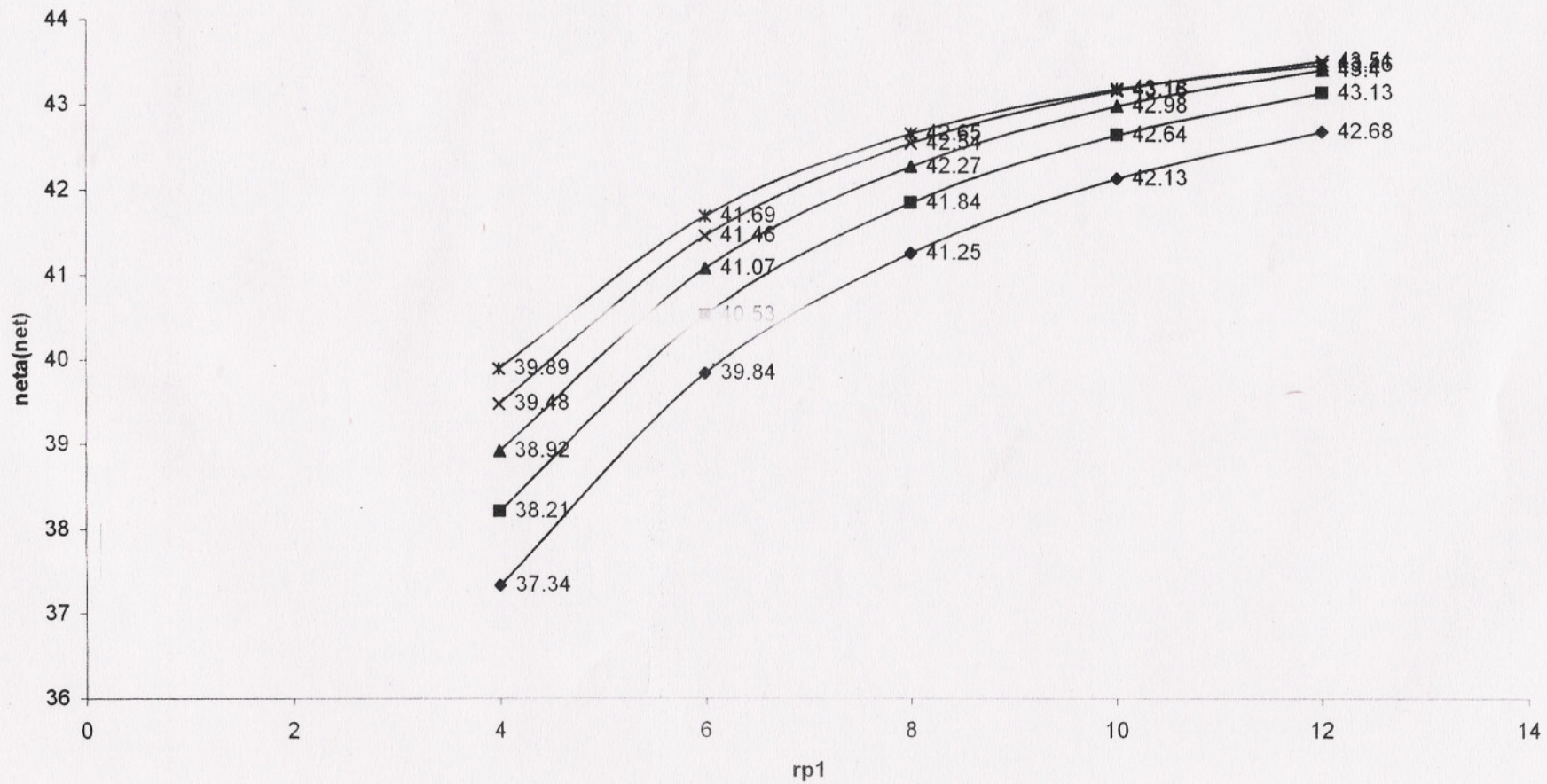Axes: neta(net) (vertical, 34 to 39), rp1 (horizontal, 0 to 14)

varition of efficiency of combined cycle w.r.t pressure ratio of topping cycle of ABC " rp1" with one inter cooler at t3t=1100

Legend: —♦— mab=52 —■— mab=57 —▲— mab=62 —✕— mab=67 —✳— mab=72

Y-axis: neta(net)

X-axis: rp1

Data points labeled:
41.09
40.87
40.92
40.96
40.27
40.48
39.86
39.79
39.55
39.14
38.56
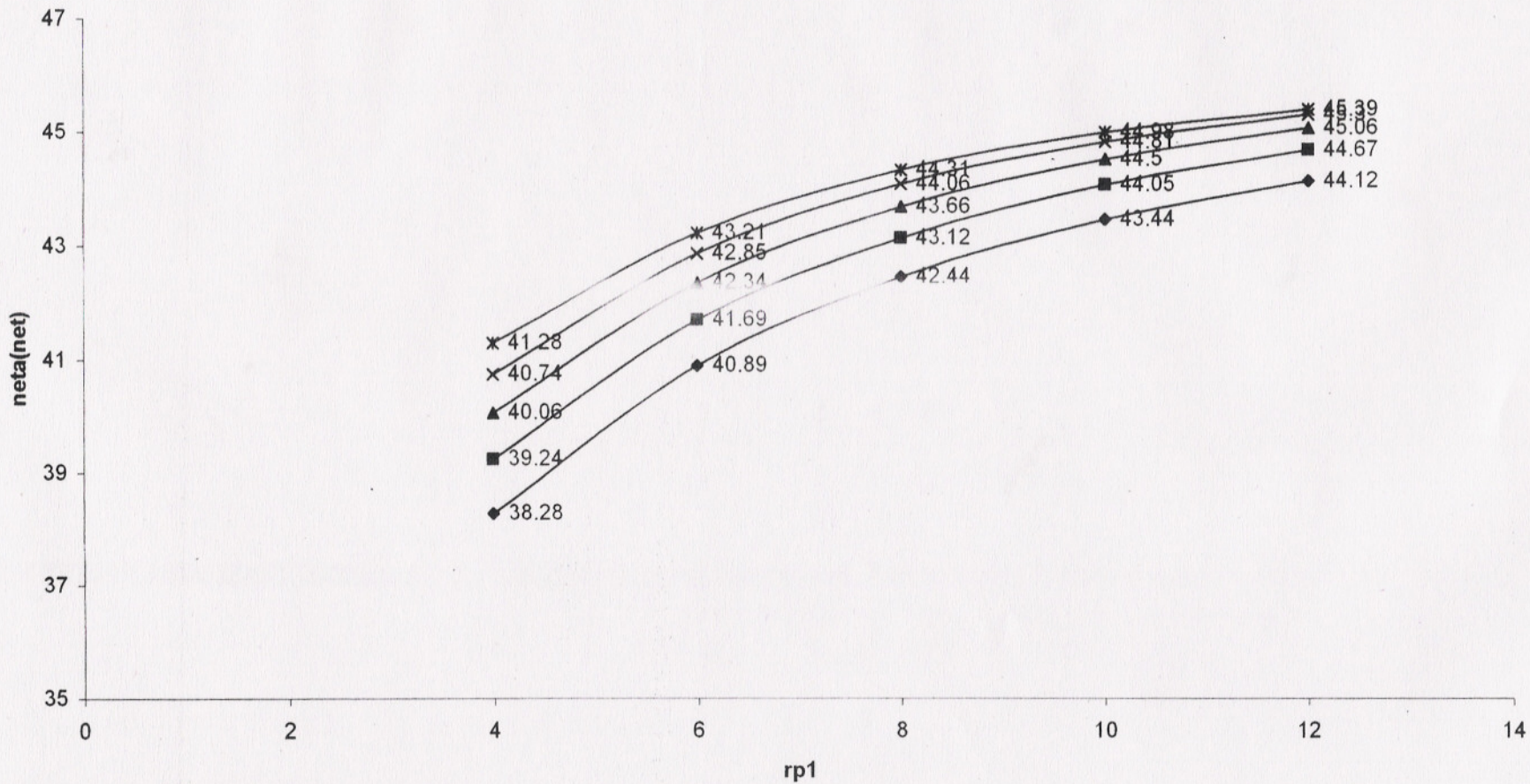38.24
37.89
37.57
36.99
36.24

varition of efficiency of combined cycle w.r.t pressure ratio of topping cycle of ABC " rp1" with one intercooler at t3t=1200

Legend: ◆ mab=52 ■ mab=57 ▲ mab=62 ✕ mab=67 ✱ mab=72

Y-axis: neta(net)
X-axis: rp1

Data labels:
- ✱ 43.56 43.46, ✕ 43.4
- ■ 43.13
- ◆ 42.68
- ✱ 43.18, ▲ 42.98
- ✱ 43.65 42.84, ▲ 42.27
- ◆ 42.13
- ■ 41.84
- ✱ 41.69, ✕ 41.46, ▲ 41.07
- ◆ 41.25
- ■ 40.53
- ✱ 39.89, ✱ 39.84
- ✕ 39.48
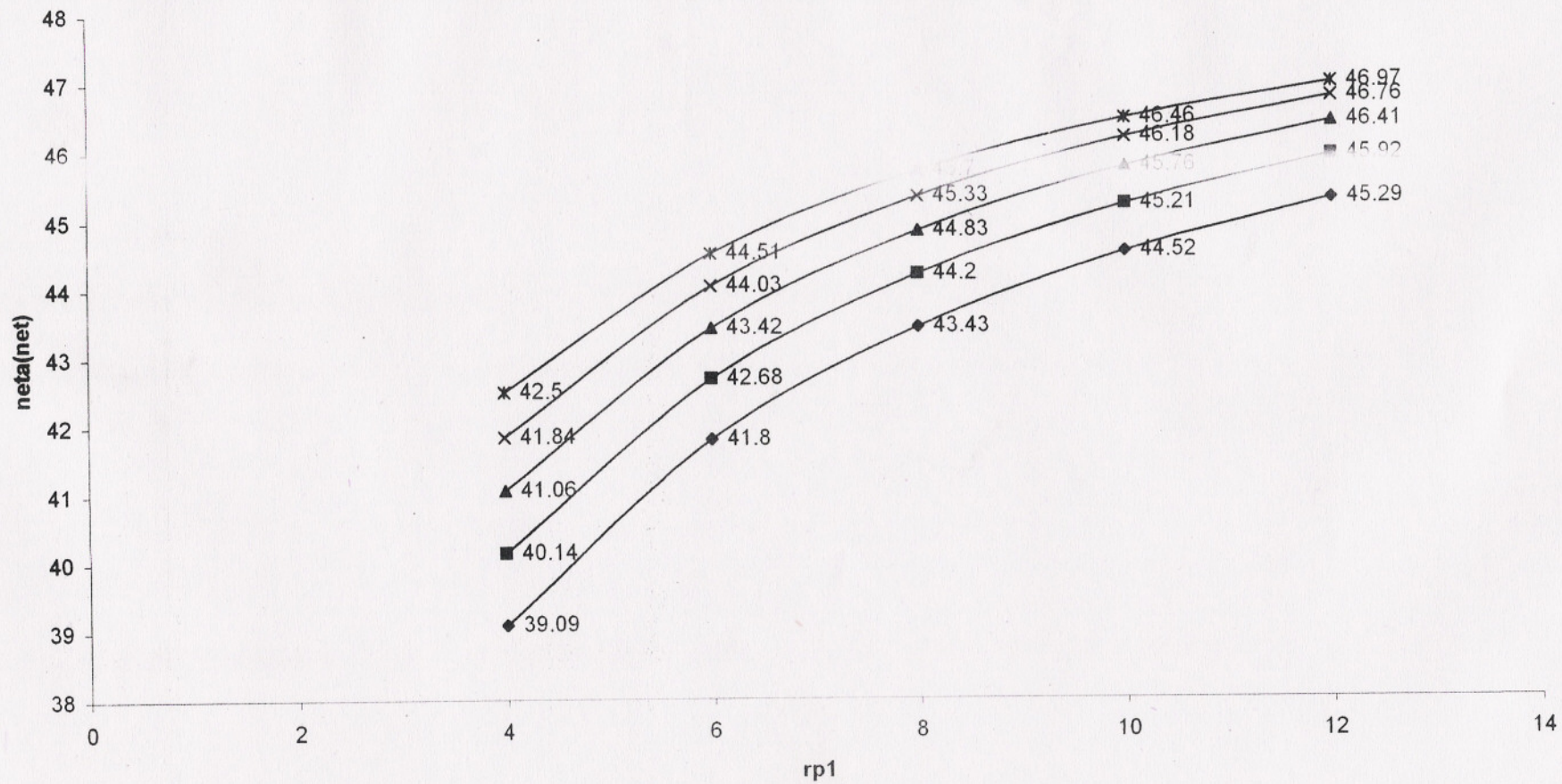- ▲ 38.92
- ■ 38.21
- ◆ 37.34

varition of efficiency of combined cycle w.r.t pressure ratio of topping cycle of ABC " rp1" with one intercooler at t3t=1300

Legend: —◆— mab=52 —■— mab=57 —▲— mab=62 —✕— mab=67 —✶— mab=72

Y-axis: neta(net)

X-axis: rp1

Data labels:
- 45.39
- 45.06
- 44.67
- 44.88
- 44.81
- 44.5
- 44.05
- 44.12
- 44.31
- 44.06
- 43.66
- 43.44
- 43.21
- 43.12
- 42.85
- 42.44
- 42.34
- 41.69
- 41.28
- 40.89
- 40.74
- 40.06
- 39.24
- 38.28

varition of efficiency of combined cycle w.r.t pressure ratio of topping cycle of ABC with "rp1" one intercooler at t3t=1400

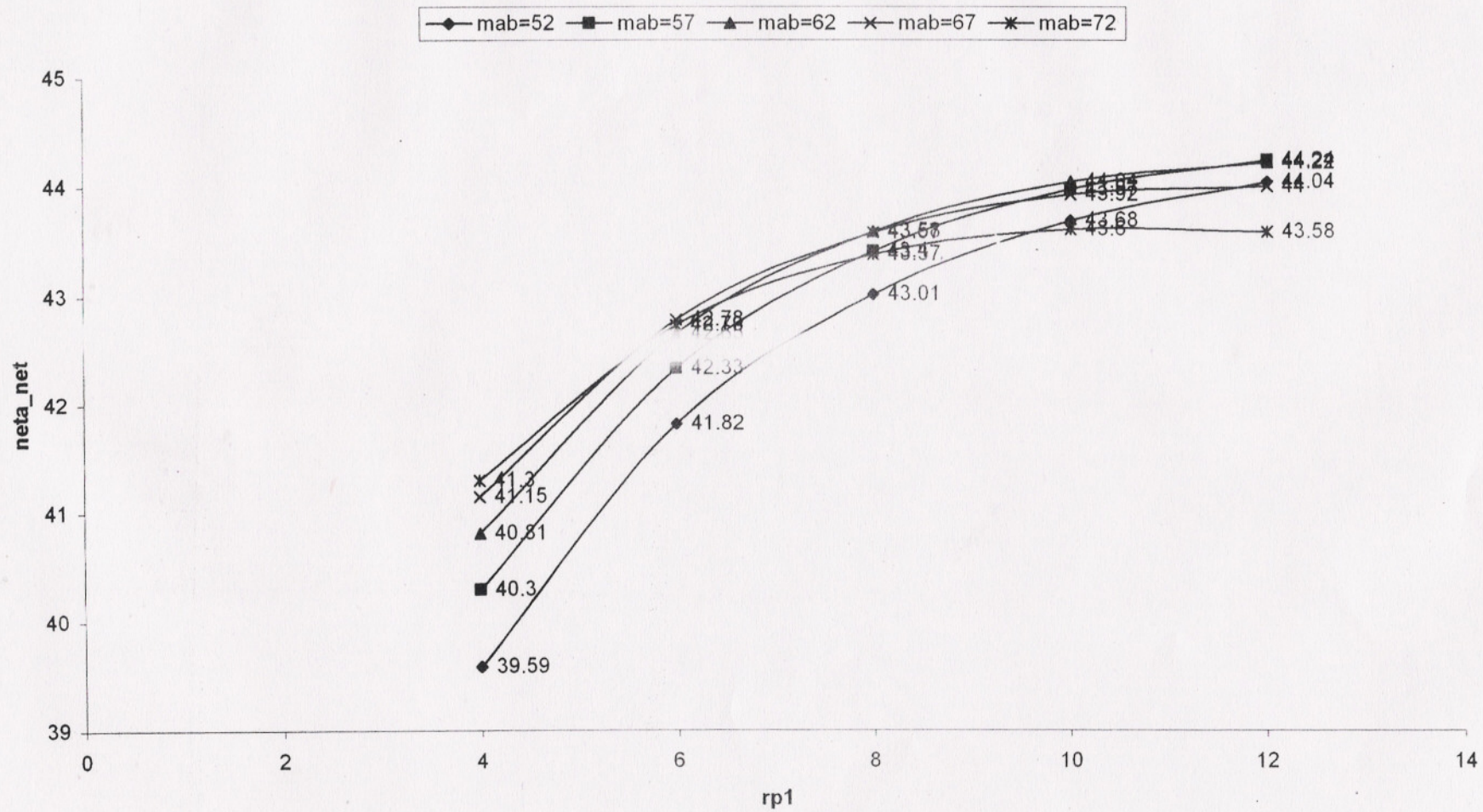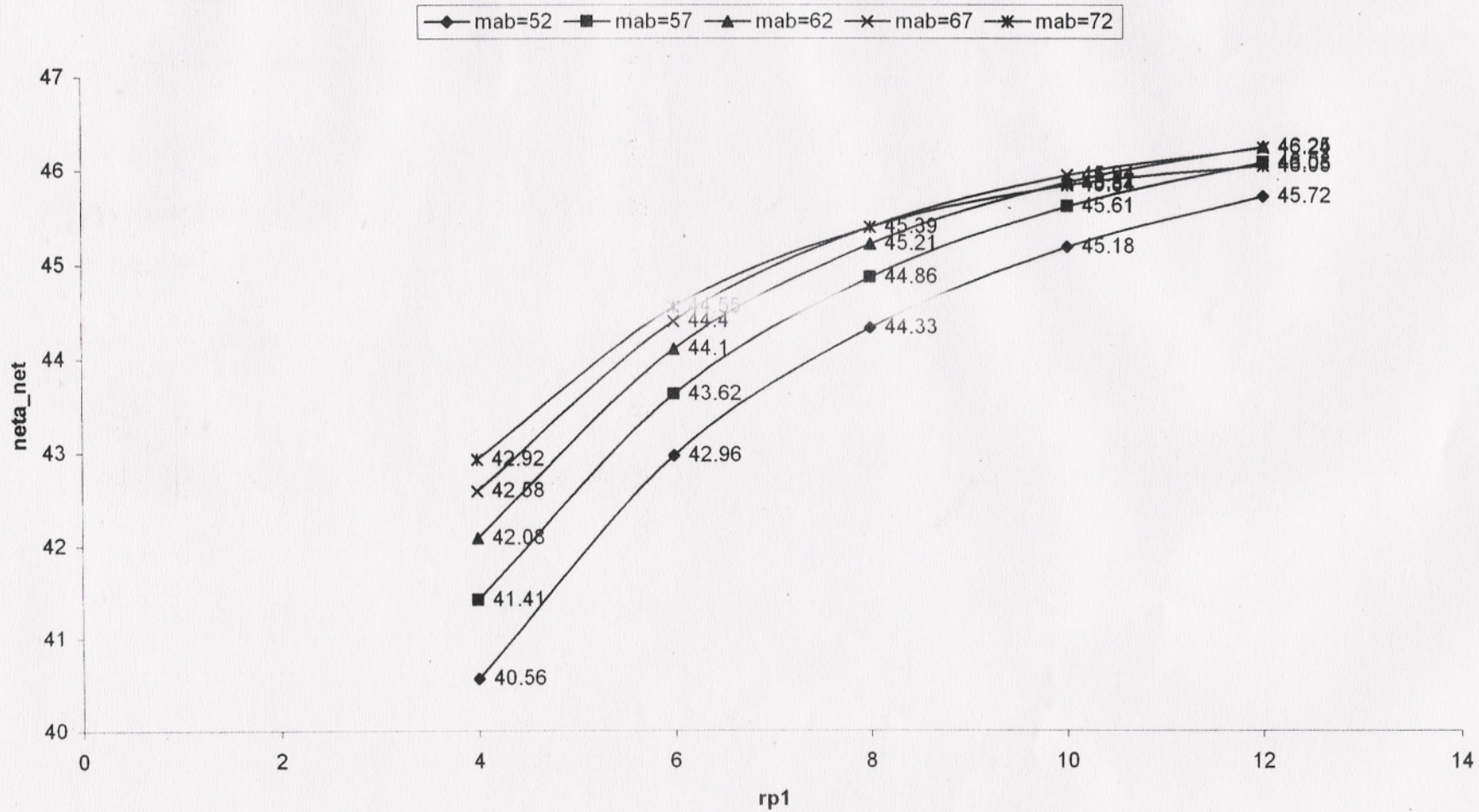varition of efficiency of combined cycle w.r.t pressure ratio of topping cycle of ABC "rp1" for t3t=1000 with two inter cooler
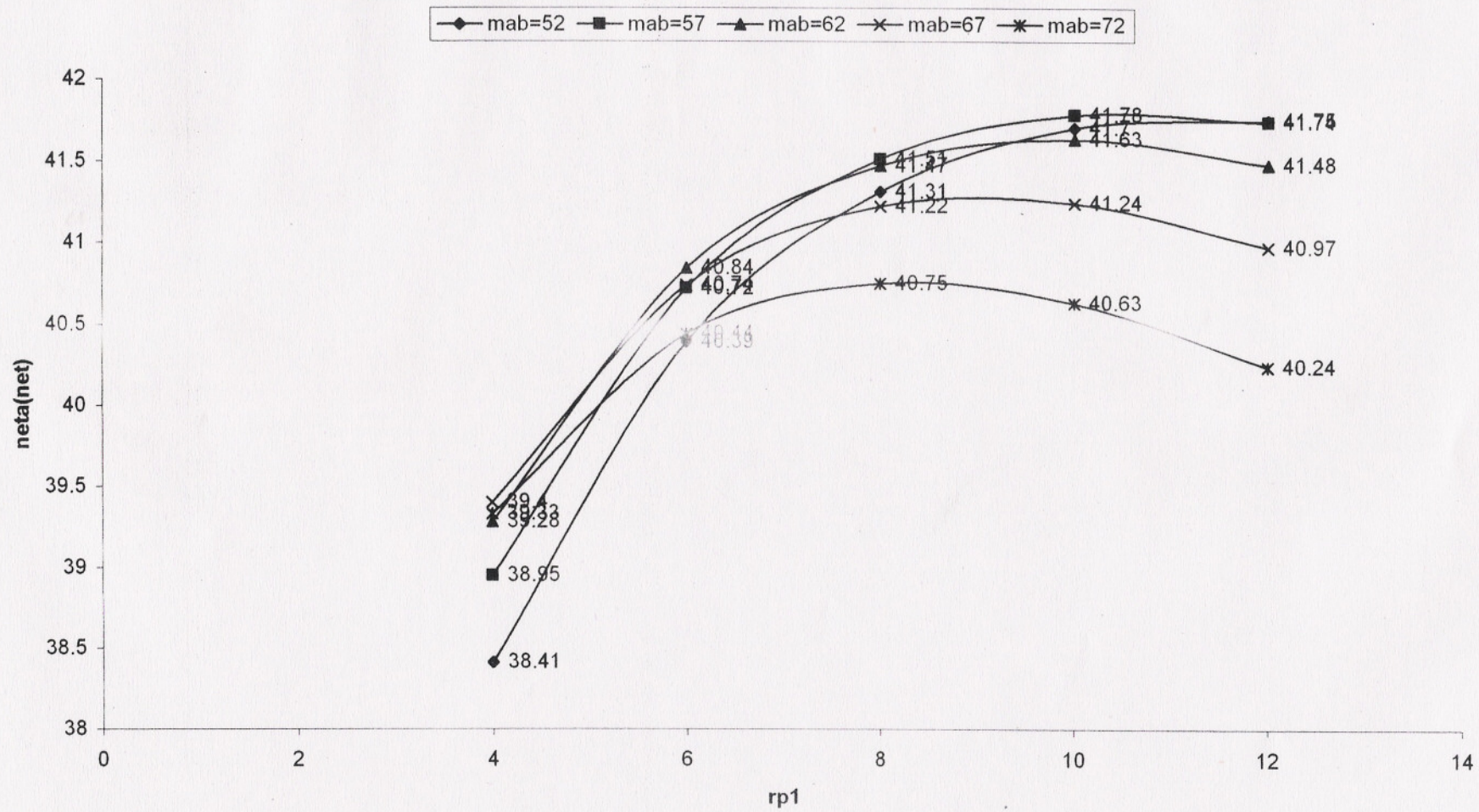
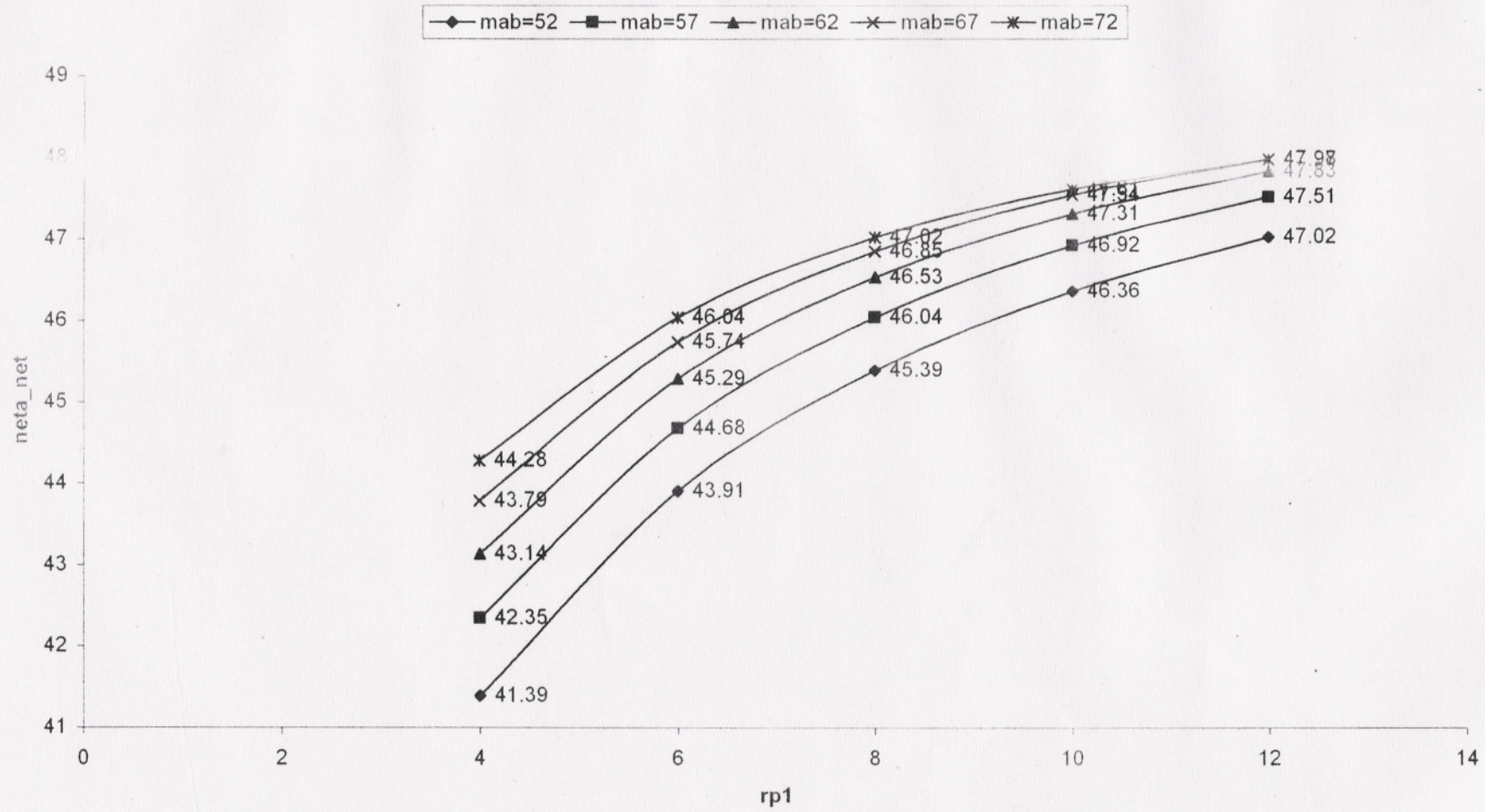# varition of efficiency of combined cycle w.r.t pressure ratio of topping cycle of ABC "rp1" at t3t=1100 for two inter cooler

Legend: → mab=52 ■ mab=57 ▲ mab=62 ✕ mab=67 ✳ mab=72

Y-axis: neta_net (39 to 45)
X-axis: rp1 (0 to 14)

Data labels:
- 44.21, 44.04
- 43.93, 43.92, 44.04
- 43.58, 43.57, 43.68, 43.6, 43.58
- 43.47
- 43.01
- 42.78, 42.66
- 42.33
- 41.82
- 41.3, 41.15
- 40.81
- 40.3
- 39.59

varition of efficiency w.r.t pressure ratio of topping cycle of ABC " rp1" at t3t=1200 for two intercooler

Legend: ◆ mab=52 ■ mab=57 ▲ mab=62 ✕ mab=67 ✳ mab=72

Y-axis: neta_net
X-axis: rp1

Data labels:
- 46.25
- 46.09
- 45.72
- 45.61
- 45.39
- 45.21
- 45.18
- 44.86
- 44.55
- 44.4
- 44.33
- 44.1
- 43.62
- 42.96
- 42.92
- 42.88
- 42.08
- 41.41
- 40.56

varition of efficiency w.r.t pressure ratio of topping cycle of ABC " rp1" at t3t=1300 for two intercooler

Legend: —♦— mab=52   —■— mab=57   —▲— mab=62   —✕— mab=67   —✳— mab=72

Chart — y-axis: neta_net (41 to 49), x-axis: rp1 (0 to 14)

Data labels:
- 47.97
- 47.83
- 47.54
- 47.51
- 47.31
- 47.02
- 47.02
- 46.92
- 46.85
- 46.53
- 46.36
- 46.04
- 46.04
- 45.74
- 45.39
- 45.29
- 44.68
- 44.28
- 43.91
- 43.79
- 43.14
- 42.35
- 41.39

varition of efficiency of combined cycle w.r.t pressure ratio of topping cycle of ABC "rp1" at t3t=1400 with two intercooler

varition of net work of combined cycle w.r.t pressure ratio of topping cycle of ABC " rp1" at t3t=1000 for no intercooler
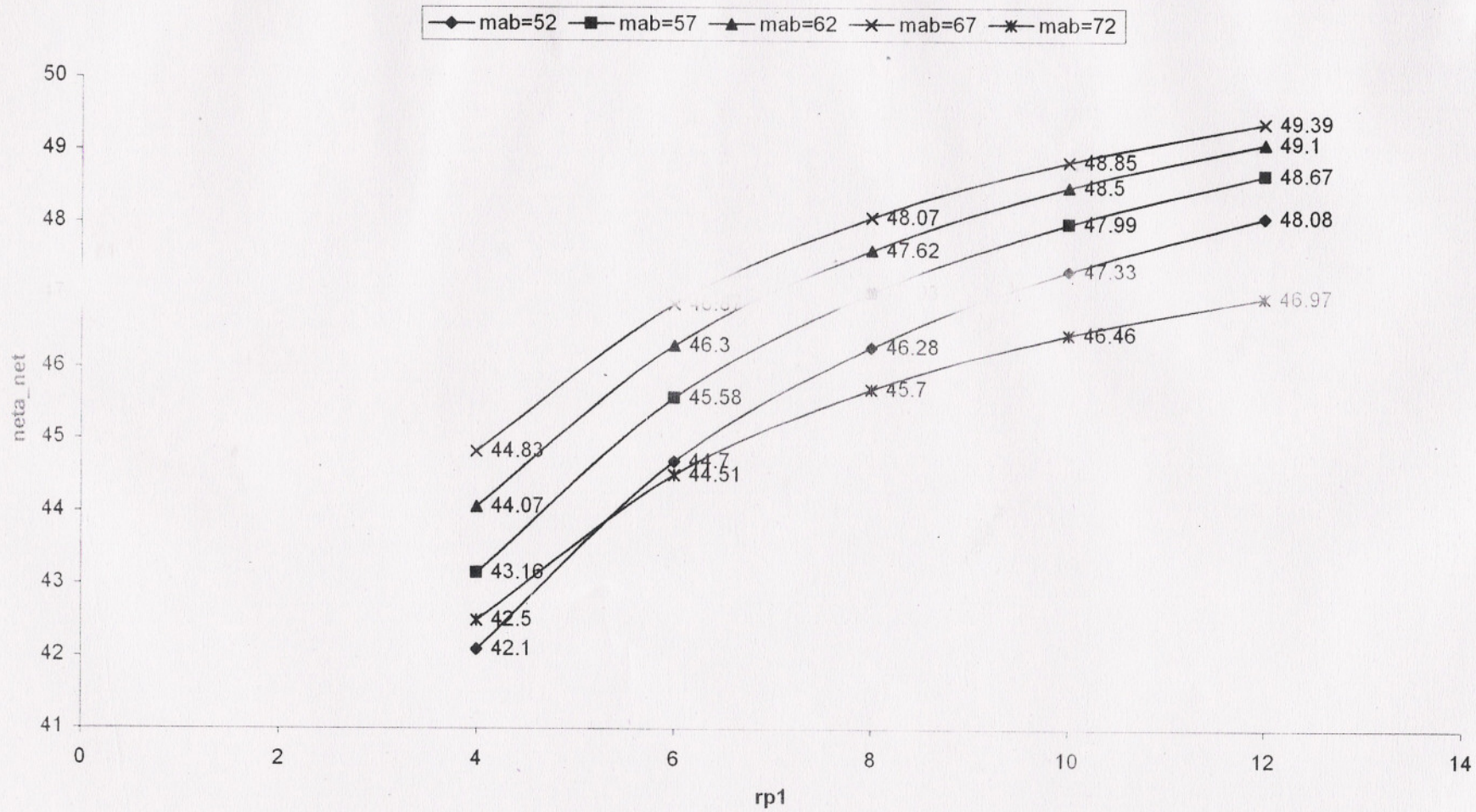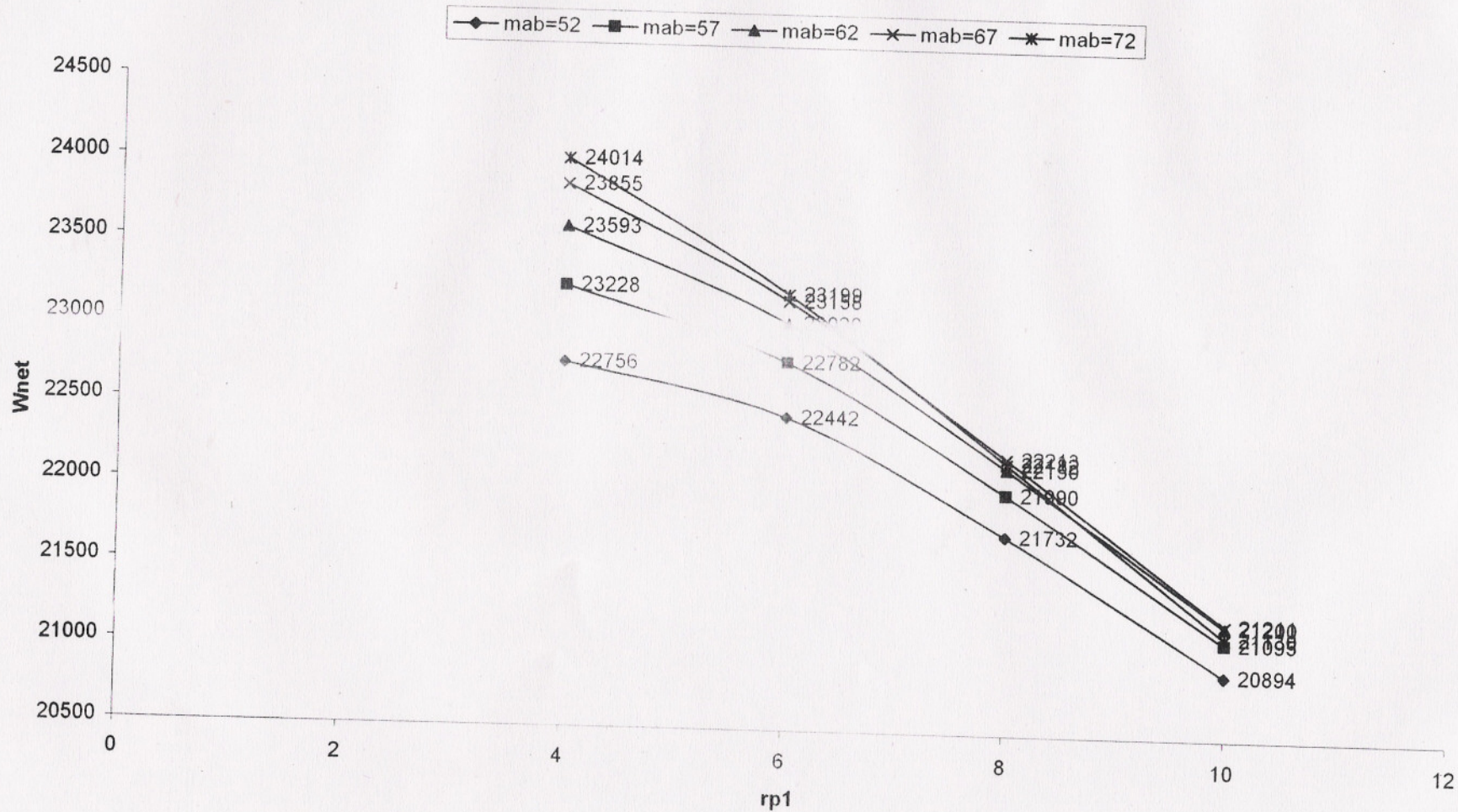
Legend: ◆ mab=52 ■ mab=57 ▲ mab=62 ✕ mab=67 ✳ mab=72

Y-axis: Wnet
X-axis: rp1

Data labels visible on chart:
- 19537, 19504
- 19374
- 19144
- 18813
- 18589
- 18222
- 17585, 17485, 17330
- 16470, 16400, 16226
- 15444, 15411, 15310, 15114

varition of net work of combined cycle w.r.t pressure ratio of topping cycle of ABC "rp1" at t3t=1100 for no intercooler

Legend: mab=52, mab=57, mab=62, mab=67, mab=72

Data point labels:
- 24014
- 23855
- 23593
- 23228
- 23198
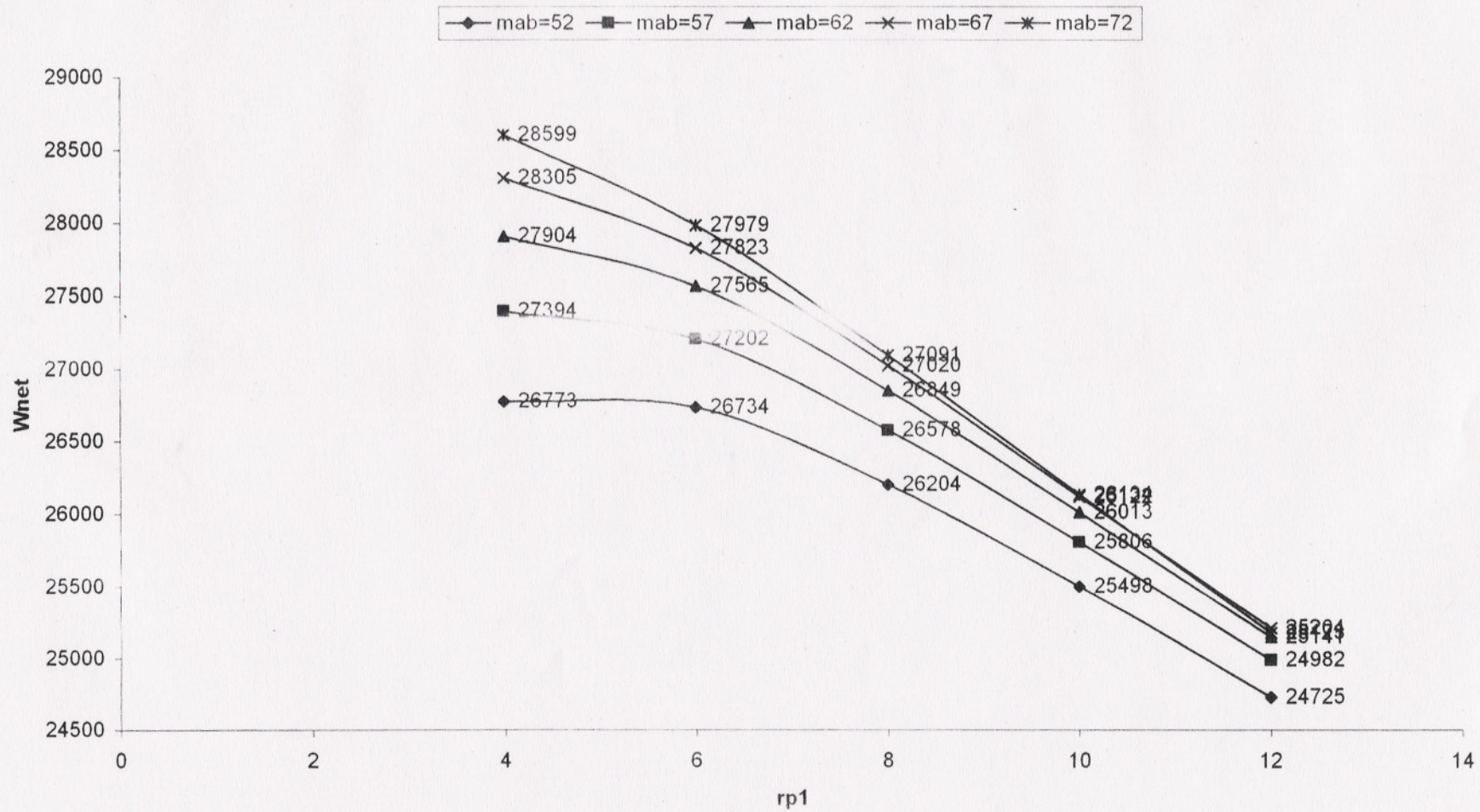- 22756
- 22788
- 22442
- 21732
- 21200
- 21095
- 20894

X-axis: rp1
Y-axis: Wnet

varition of net work of combined cycle w.r.t pressure ratio of topping cycle of ABC "rp1" at t3t=1200 for no intercooler

Legend: ◆ mab=52   ■ mab=57   ▲ mab=62   ✕ mab=67   ✳ mab=72

Y-axis: Wnet
X-axis: rp1

Data labels:
- 28599
- 28305
- 27979
- 27904
- 27823
- 27565
- 27394
- 27202
- 27091
- 27020
- 26849
- 26773
- 26734
- 26578
- 26204
- 26134
- 26013
- 25806
- 25498
- 25204
- 24982
- 24725

varition of net work of combined cycle w.r.t pressure ratio of topping cycle of ABC " rp1" at t3t=1300 for no intercooler
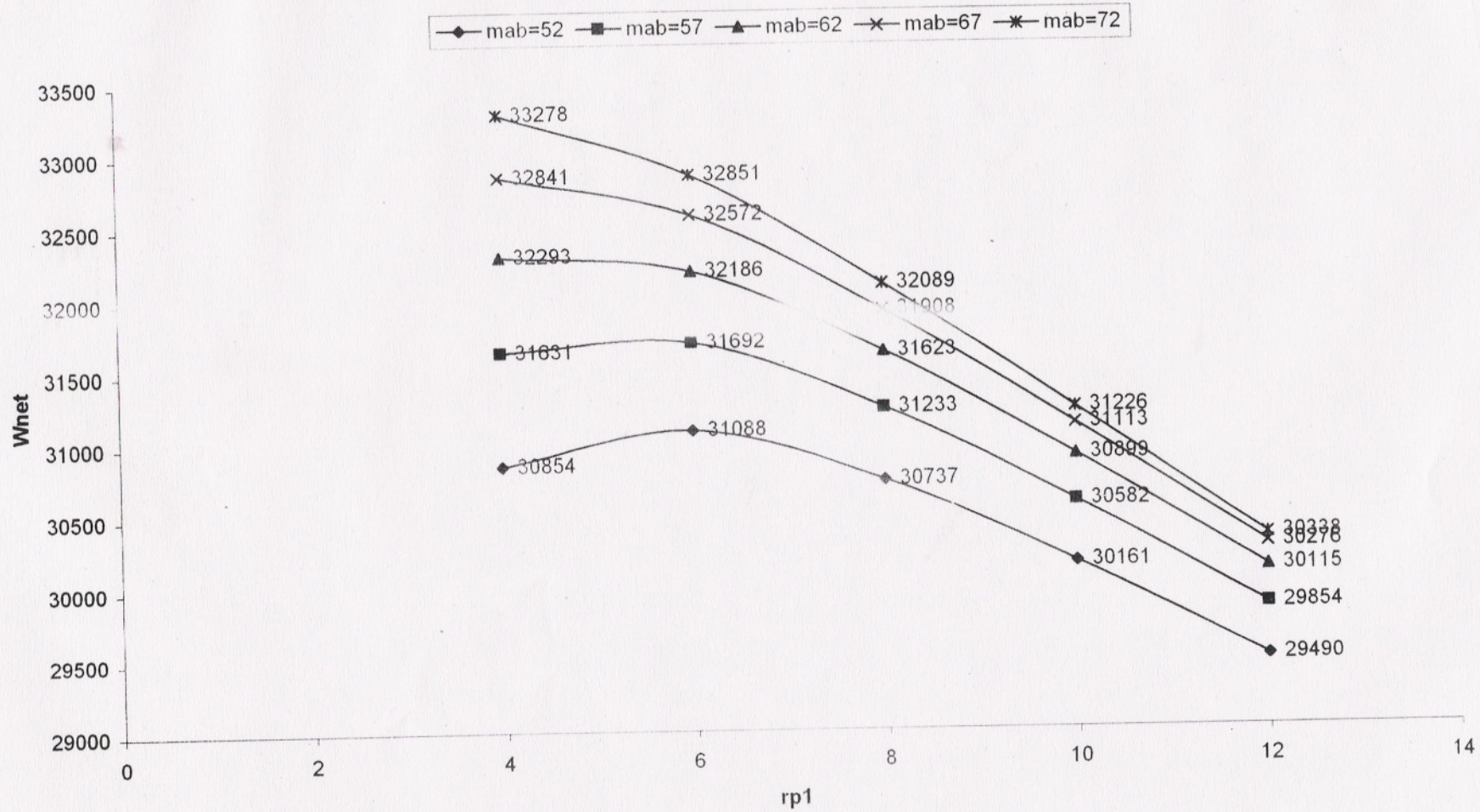

Legend: —◆— mab=52 —■— mab=57 —▲— mab=62 —✕— mab=67 —✳— mab=72

Data points:
- 33278
- 32841, 32851
- 32572
- 32293, 32186, 32089
- 31908
- 31631, 31692, 31623
- 31233, 31226
- 31113
- 31088, 30899
- 30854, 30737, 30582
- 30338
- 30276
- 30161, 30115
- 29854
- 29490

Y-axis (Wnet): 29000, 29500, 30000, 30500, 31000, 31500, 32000, 32500, 33000, 33500

X-axis (rp1): 0, 2, 4, 6, 8, 10, 12, 14
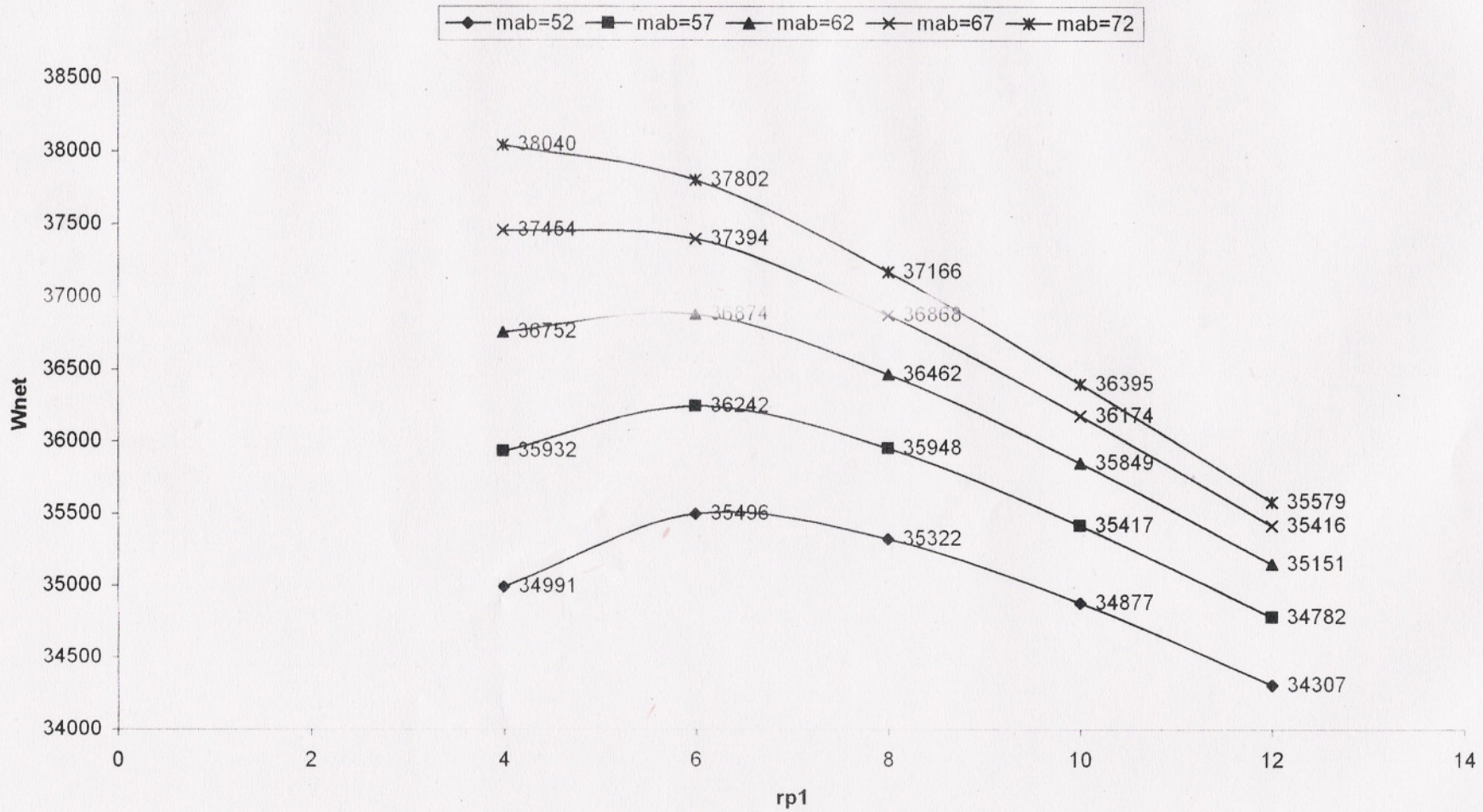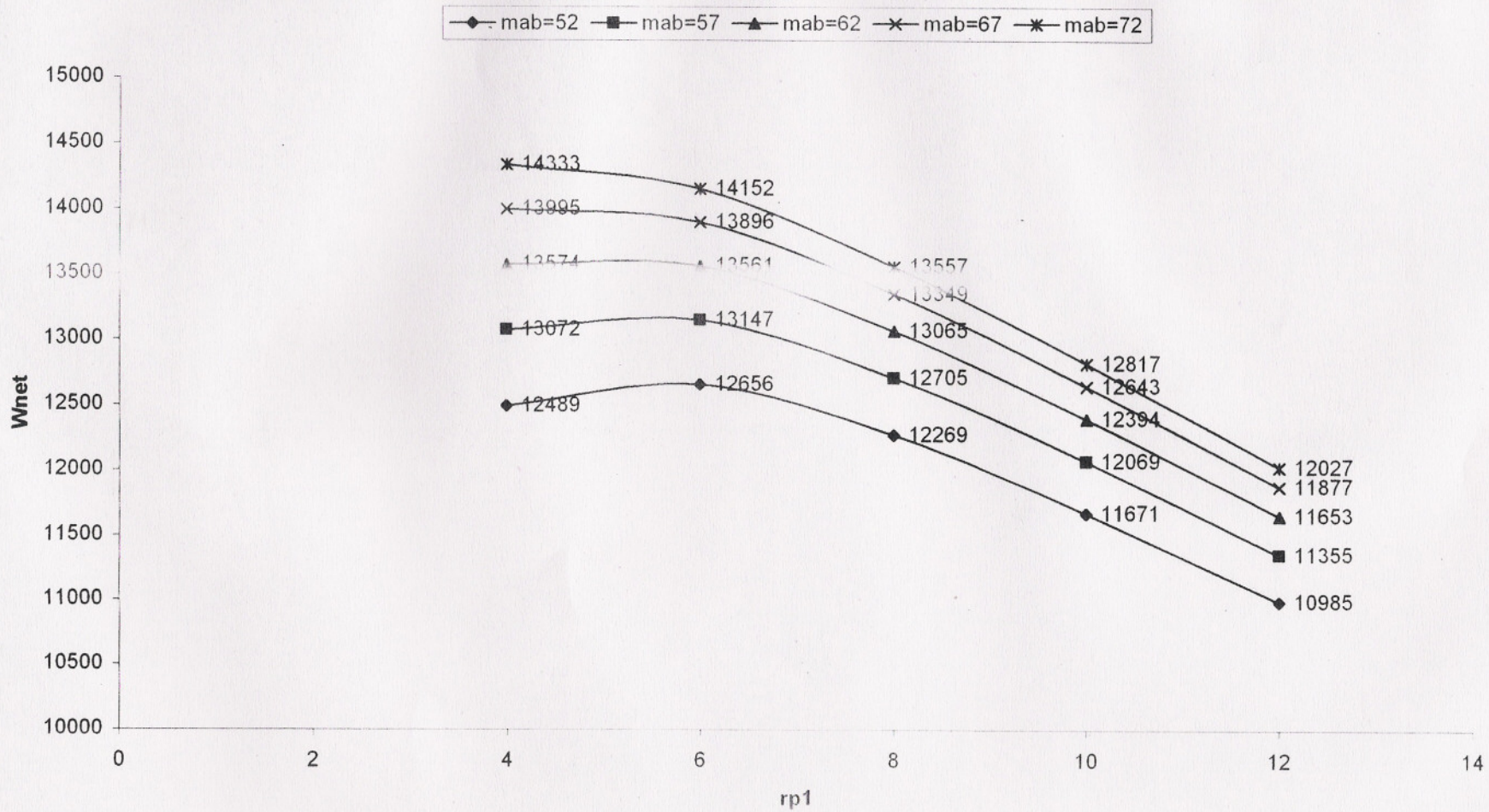
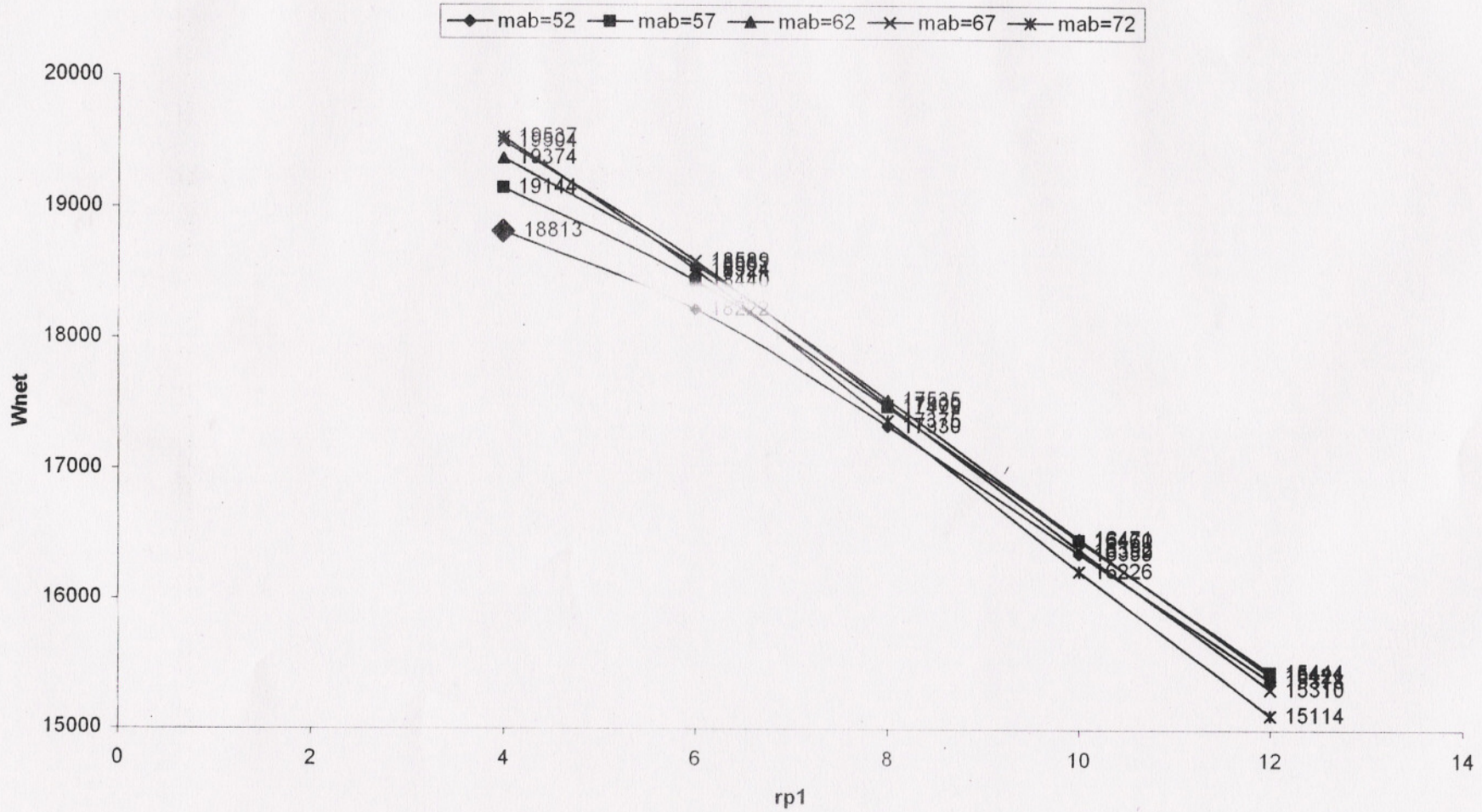varition of net work of combined cycle w.r.t pressure ratio oftopping cycle of ABC " rp1" at t3t=1400 for no intercooler

varition of net work of combined cycle w.r.t pressure ratio of topping cycle of ABC "rp1" with one no intercooler at t3t=1000

varition of net work of combined cycle w.r.t pressure ratio of topping cycle of ABC " rp1" at t3t=1000 for no intercooler

Legend: ◆ mab=52 ■ mab=57 ▲ mab=62 ✕ mab=67 ✱ mab=72

Y-axis: Wnet
X-axis: rp1

Data labels visible:
- 19507, 19374, 19144, 18813
- 18509, 18440, 18228
- 17535, 17400, 17330
- 16470, 16390, 16226
- 15444, 15376, 15310, 15114

varition of net work of combined cycle w.r.t pressure ratio of topping cycle of ABC "rp1" at t3t=1100 for no intercooler

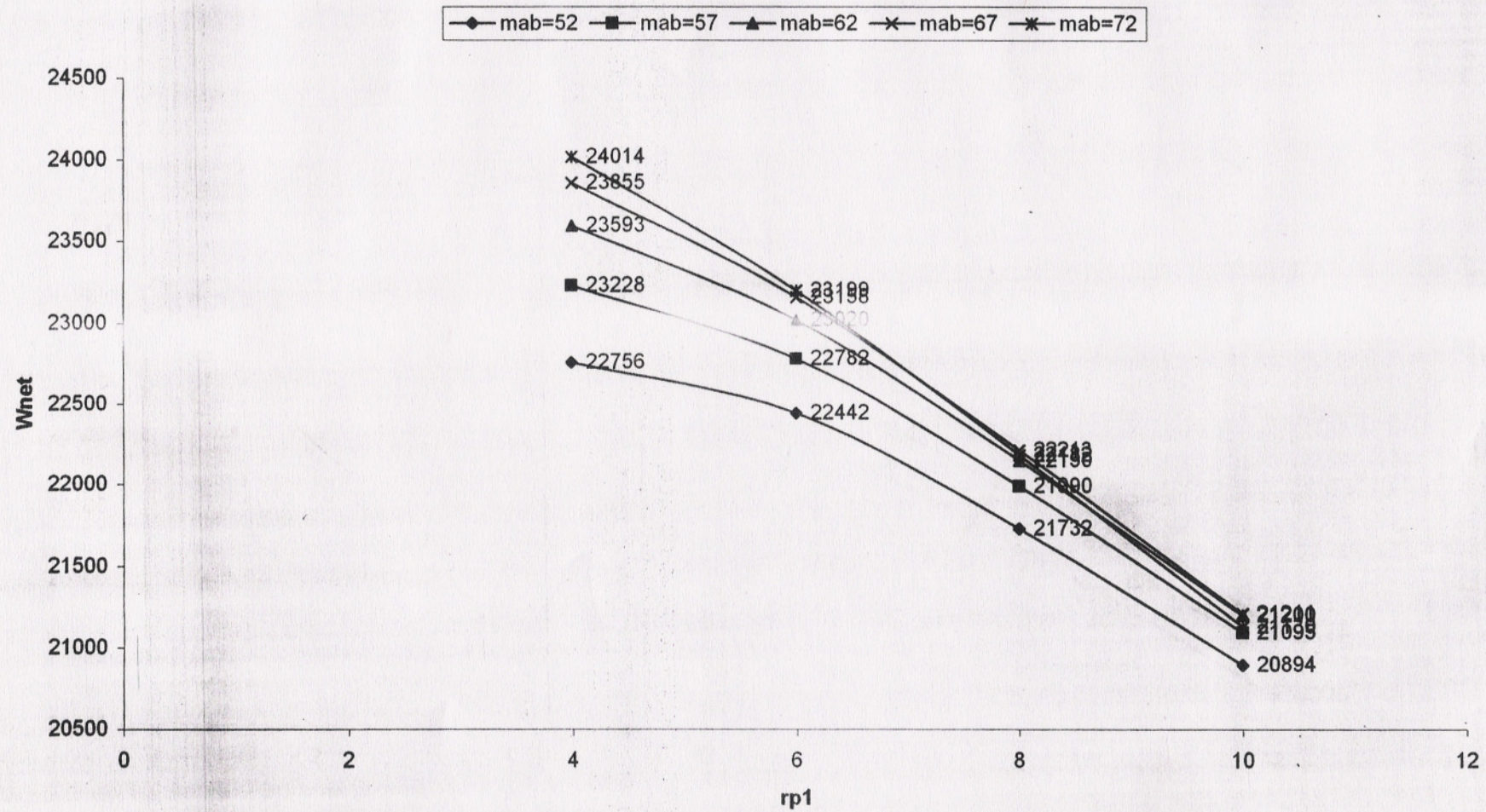|					
◆ mab=52	■ mab=57	▲ mab=62	✕ mab=67	✳ mab=72

Wnet

- ✳ 24014
- ✕ 23855
- ▲ 23593
- ■ 23228
- ✳ 23198
- ▲ 23020
- ◆ 22756
- ■ 22782
- ◆ 22442
- ✕ 22242
- ■ 22196
- ■ 21990
- ◆ 21732
- ✕ 21200
- ■ 21099
- ◆ 20894

rp1

Axis values:
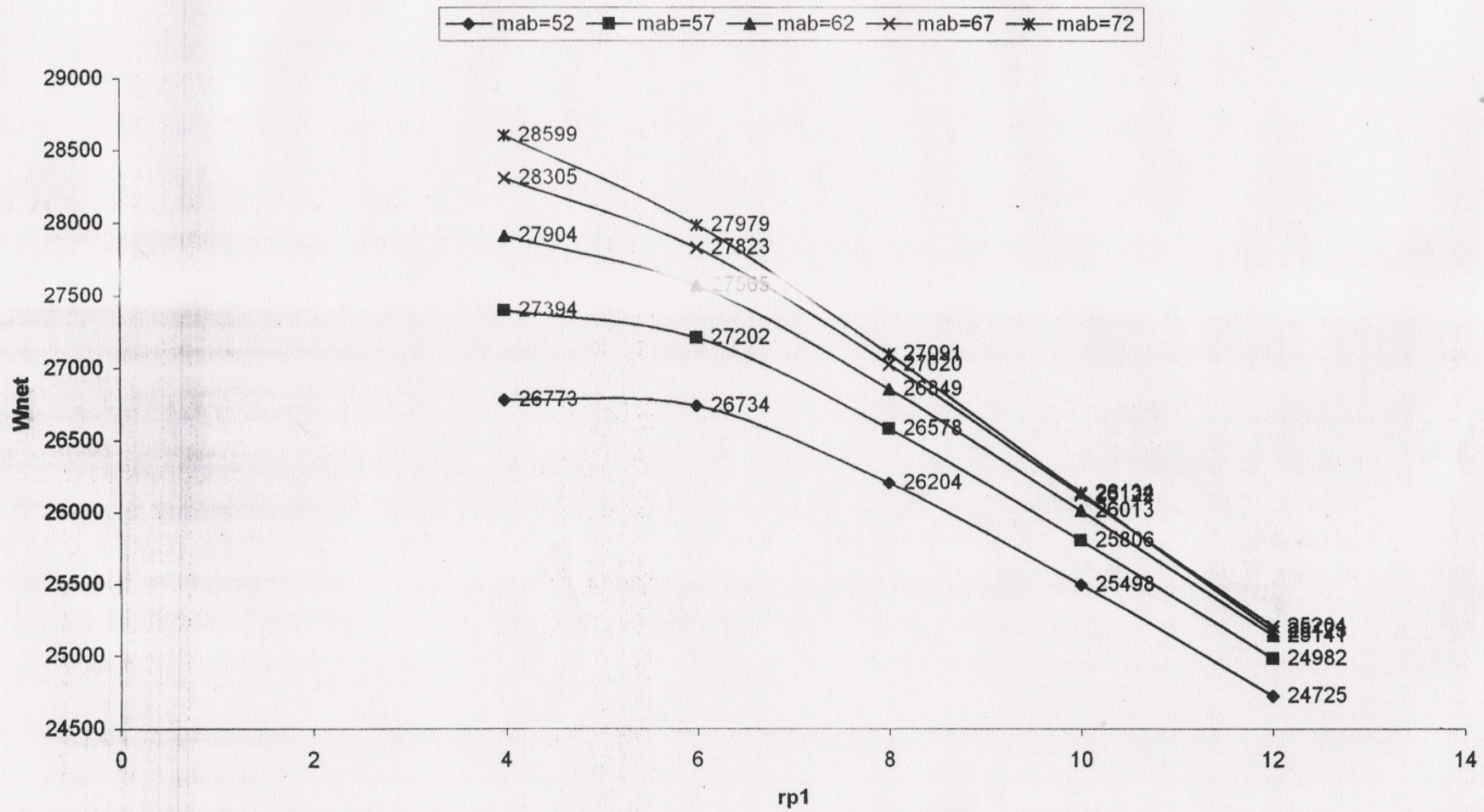- Wnet: 20500, 21000, 21500, 22000, 22500, 23000, 23500, 24000, 24500
- rp1: 0, 2, 4, 6, 8, 10, 12

varition of net work of combined cycle w.r.t pressure ratio of topping cycle of ABC "rp1" at t3t=1200 for no intercooler

Legend: —◆— mab=52 —■— mab=57 —▲— mab=62 —✕— mab=67 —✳— mab=72

Y-axis (Wnet): 24500, 25000, 25500, 26000, 26500, 27000, 27500, 28000, 28500, 29000
X-axis (rp1): 0, 2, 4, 6, 8, 10, 12, 14

Data labels:
- 28599
- 28305
- 27979
- 27904
- 27823
- 27394
- 27565
- 27202
- 27091
- 27020
- 26849
- 26773
- 26734
- 26578
- 26204
- 26134
- 26013
- 25806
- 25498
- 25294
- 25141
- 24982
- 24725

varition of net work of combined cycle w.r.t pressure ratio of topping cycle of ABC " rp1" at t3t=1300 for no intercooler
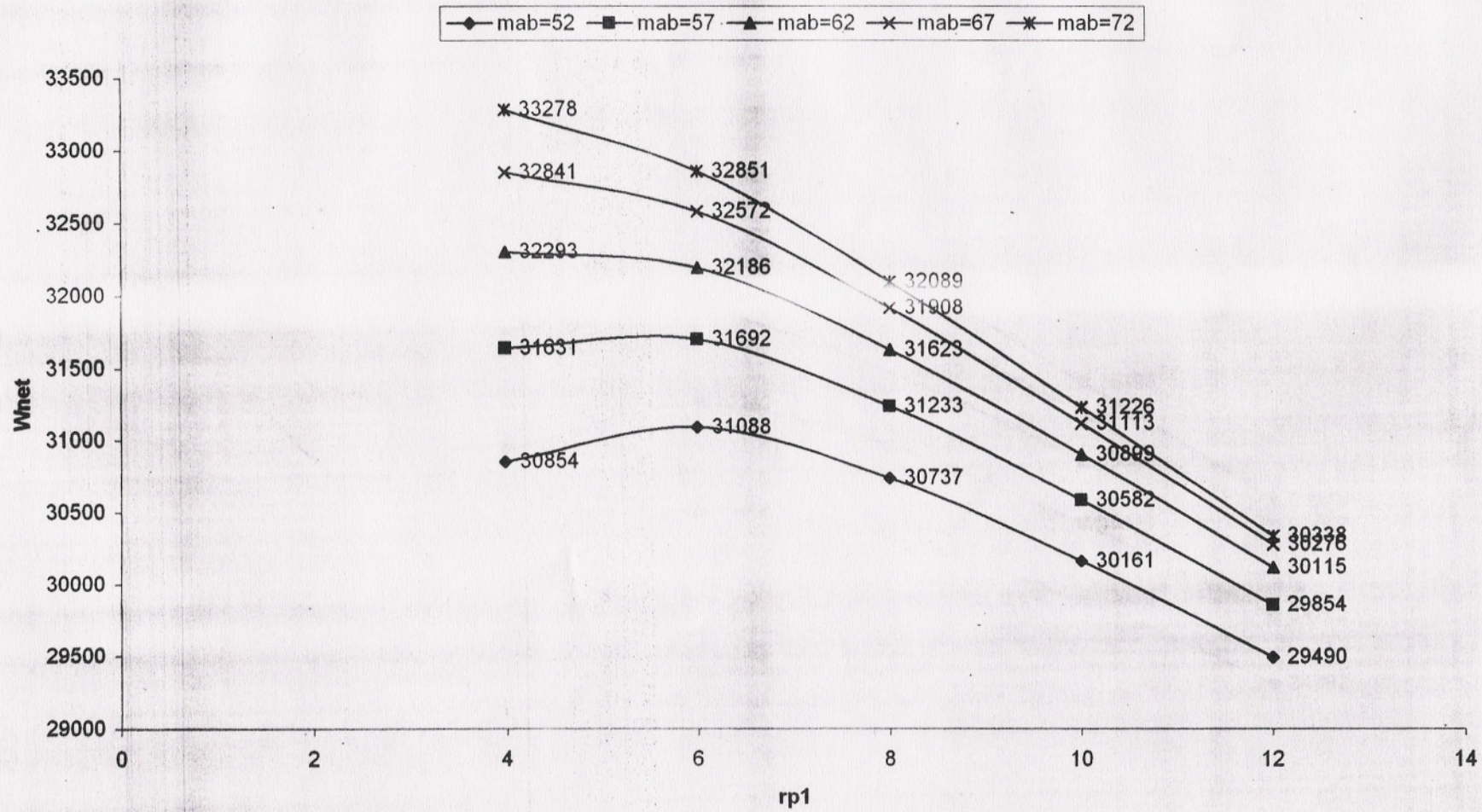

Legend: ♦ mab=52 ■ mab=57 ▲ mab=62 ✕ mab=67 ✱ mab=72

Y-axis: Wnet
X-axis: rp1

Data points:
- ✱ 33278
- ✕ 32841
- ✱ 32851
- ✕ 32572
- ▲ 32293
- ▲ 32186
- ✱ 32089
- ✕ 31908
- ■ 31631
- ■ 31692
- ▲ 31623
- ✱ 31226
- ✕ 31113
- ■ 31233
- ♦ 31088
- ▲ 30899
- ♦ 30854
- ♦ 30737
- ■ 30582
- ✱ 30338
- ✕ 30276
- ▲ 30115
- ♦ 30161
- ■ 29854
- ♦ 29490

varition of net work of combined cycle w.r.t pressure ratio oftopping cycle of ABC " rp1" at t3t=1400 for no intercooler