

Standardlastprofil

Tabelle 1: Einfamilienhaus (H1M)

Standardlastprofil für Einfamilienhäuser [0 - 50.000 kWh]																									
Paramter der Sigmoidfunktion		Sigmoid-Funktion																							
A	3,0217398598	$h = A / (1 + (B / (\text{Temp.} - 40))^C) + D$																							
B	-37,1823599508																								
C	5,6477169551																								
D	0,0956262408																								
(Paramter beinhalten eine Baultersgewichtung sowie Paramter D den Einfluss des Versorgungsgrades, d. h. das Verhältnis aus der Verwendung von Gas zu Heizzwecken und zu Heiz- und Warmwasserzwecken)																									
Stundenverteilung																									
Einfamilienhäuser		600 Uhr - 700Uhr	700 Uhr - 800Uhr	800 Uhr - 900Uhr	900 Uhr - 1000Uhr	1000 Uhr - 1100Uhr	1100 Uhr - 1200Uhr	1200 Uhr - 1300Uhr	1300 Uhr - 1400Uhr	1400 Uhr - 1500Uhr	1500 Uhr - 1600Uhr	1600 Uhr - 1700Uhr	1700 Uhr - 1800Uhr	1800 Uhr - 1900Uhr	1900 Uhr - 2000Uhr	2000 Uhr - 2100Uhr	2100 Uhr - 2200Uhr	2200 Uhr - 2300Uhr	2300 Uhr - 2400Uhr	000 Uhr - 100Uhr	100 Uhr - 200Uhr	200 Uhr - 300Uhr	300 Uhr - 400Uhr	400 Uhr - 500Uhr	500 Uhr - 600Uhr
Temperaturaufteilung	Temp. <= -15 °C	5,87%	5,25%	4,94%	4,74%	4,65%	4,36%	4,22%	4,21%	4,15%	4,34%	4,72%	4,81%	4,72%	4,68%	4,60%	4,24%	3,47%	3,01%	2,98%	2,95%	3,00%	3,08%	3,21%	3,80%
	-15 °C < Temp. <= -10 °C	5,75%	5,30%	4,98%	4,77%	4,6 8%	4,37%	4,23%	4,21%	4,16%	4,35%	4,76%	4,85%	4,75%	4,71%	4,63%	4,25%	3,45%	2,97%	2,94%	2,91%	2,96%	3,04%	3,18%	3,80%
	-10 °C < Temp. <= -5 °C	6,03%	5,38%	5,04%	4,81%	4,71 %	4,38%	4,23%	4,21%	4,15%	4,35%	4,79%	4,90%	4,79%	4,75%	4,66%	4,25%	3,39%	2,87%	2,84%	2,81%	2,87%	2,95%	3,10%	3,74%
	-5 °C < Temp. <= 0 °C	5,55%	5,10%	4,93%	4,79%	4,67%	4,44%	4,38%	4,33%	4,45%	4,52%	4,80%	4,89%	4,91%	4,85%	4,68%	4,16%	3,24%	2,77%	2,65%	2,69%	2,75%	2,90%	3,30%	4,25%
	0 °C < Temp. <= 5 °C	5,78%	5,36%	5,07%	4,87%	4,65%	4 ,47%	4,38%	4,35%	4,43%	4,54%	4,80%	5,01%	5,06%	5,05%	4,87%	4,33%	3,14%	2,50%	2,33%	2,40%	2,45%	2,63%	3,10%	4,43%
	5 °C < Temp. <= 10 °C	6,16%	5,79%	5,28%	4,87%	4,53%	4,29%	4,24%	4,20%	4,30%	4,47%	4,76%	5,08%	5,21%	5,27%	5,07%	4,46%	3,09%	2,20%	1,97%	2,10%	2,18%	2,50%	3,22%	4,76%
	10 °C < Temp. <= 15 °C	6,77%	6,87%	5,81%	5,30%	4,83%	4,38%	4,14%	4,04%	3,99%	4,12%	4,39%	4,72%	5,09%	5,48%	5,33%	4,76%	3,25%	1,75%	1,40%	1,56%	1,70%	2,02%	2,93%	5,37%
	15 °C < Temp. <= 20 °C	8,00%	7,67%	6,12%	6,01%	5,23%	4,85%	4,43%	4,01%	3,83%	3,62%	4,03%	4,31%	4,50%	5,09%	5,16%	4,41%	3,14%	1,43%	0,95%	1,06%	1,13%	1,65%	2,82%	6,55%
	20 °C < Temp. <= 25 °C	9,08%	8,26%	6,15%	5,93%	5,52%	5,29%	5,16%	4,24%	4,07%	3,63%	4,29%	4,92%	4,76%	5,02%	5,25%	4,45%	2,68%	1,07%	0,48%	0,60%	0,46%	0,84%	1,90%	5,95%
Temp > 25 °C	9,08%	8,26%	6,15%	5,93%	5,52%	5,29%	5,1 6%	4,24%	4,07%	3,63%	4,29%	4,92%	4,76%	5,02%	5,25%	4,45%	2,68%	1,07%	0,48%	0,60%	0,46%	0,84%	1,90%	5,95%	