

### Minimum Efficiency Values for Dry-Type Transformers

Single phase				Three phase			
Voltage class = 1.2 kV		Voltage class > 1.2 kV		Voltage class = 1.2 kV		Voltage class > 1.2 kV	
		BIL ≤ 60 kV	BIL > 60 kV			BIL ≤ 60 kV	BIL > 60 kV
Efficiency, % at 0.35 per unit nameplate load		Efficiency, % at 0.5 per unit nameplate load	Efficiency, % at 0.5 per unit nameplate load	Efficiency, % at 0.35 per unit nameplate load		Efficiency, % at 0.5 per unit nameplate load	Efficiency, % at 0.5 per unit nameplate load
kVA				kVA			
15	97.70	97.60	97.60	15	97.00	96.80	96.80
25	98.00	97.90	97.90	30	97.50	97.30	97.30
37.5	98.20	98.10	98.10	45	97.70	97.60	97.60
50	98.30	98.20	98.20	75	98.00	97.90	97.90
75	98.50	98.40	98.40	112.5	98.20	98.10	98.10
100	98.60	98.50	98.50	150	98.30	98.20	98.20
167	98.70	98.80	98.70	225	98.50	98.40	98.40
250	98.80	98.90	98.80	300	98.60	98.60	98.50
333	98.90	99.00	98.90	500	98.70	98.80	98.70
500	—	99.10	99.00	750	98.80	98.90	98.80
667	—	99.20	99.00	1000	98.90	99.00	98.90
833	—	99.20	99.10	1500	—	99.10	99.00
				2000	—	99.20	99.00
				2500	—	99.20	99.10
				3000	—	99.20	99.10
				3750	—	99.30	99.20
				5000	—	99.30	99.20
				7500	—	99.30	99.20