



Transformateur Monophasé et Triphasé – Courant de ligne en ampères

Email: [sales@moloney-electric.com](mailto:sales@moloney-electric.com)  
**MOLONEY ELECTRIC INC.**

Ontario: 416-534-9226 ♦ Alberta: 780-962-4567 ♦ New Brunswick: 506-536-1065  
**SINGLE PHASE DISTRIBUTION TRANSFORMERS - FULL LINE CURRENT IN AMPERES**

VOLTS	TRANSFORMER RATING IN KVA - SINGLE PHASE														
	5	10	15	25	50	75	100	167	250	333	500	667	750	833	1000
120	41.7	83.3	125.0	208.3	416.7	625.0	833.3	1391.7	2083.3	2775.0	4166.7	5558.3	6250.0	6941.7	8333.3
240	20.8	41.7	62.5	104.2	208.3	312.5	416.7	695.8	1041.7	1387.5	2083.3	2779.2	3125.0	3470.8	4166.7
347	14.4	28.8	43.2	72.1	144.1	216.1	288.2	481.3	720.5	959.7	1440.9	1922.2	2161.4	2400.6	2881.8
480	10.4	20.8	31.3	52.1	104.2	156.3	208.3	347.9	520.8	693.8	1041.7	1389.6	1562.5	1735.4	2083.3
600	8.3	16.7	25.0	41.7	83.3	125.0	166.7	278.3	416.7	555.0	833.3	1111.7	1250.0	1388.3	1666.7
2400	2.1	4.2	6.3	10.4	20.8	31.3	41.7	69.6	104.2	138.8	208.3	277.9	312.5	347.1	416.7
4800	1.0	2.1	3.1	5.2	10.4	15.6	20.8	34.8	52.1	69.4	104.2	139.0	156.3	173.5	208.3
7200	0.7	1.4	2.1	3.5	6.9	10.4	13.9	23.2	34.7	46.3	69.4	92.6	104.2	115.7	138.9
8000	0.6	1.3	1.9	3.1	6.3	9.4	12.5	20.9	31.3	41.6	62.5	83.4	93.8	104.1	125.0
12000	0.4	0.8	1.3	2.1	4.2	6.3	8.3	13.9	20.8	27.8	41.7	55.6	62.5	69.4	83.3
14400	0.4	0.7	1.0	1.7	3.5	5.2	6.9	11.6	17.4	23.1	34.7	46.3	52.1	57.9	69.4
16000	0.3	0.6	0.9	1.6	3.1	4.7	6.3	10.4	15.6	20.8	31.3	41.7	46.9	52.1	62.5
19920	0.3	0.5	0.8	1.3	2.5	3.8	5.0	8.4	12.6	16.7	25.1	33.5	37.7	41.8	50.2
24940	0.2	0.4	0.6	1.0	2.0	3.0	4.0	6.7	10.0	13.4	20.1	26.7	30.1	33.4	40.1
27600	0.2	0.4	0.5	0.9	1.8	2.7	3.6	6.1	9.1	12.1	18.1	24.2	27.2	30.2	36.2
34500	0.1	0.3	0.4	0.7	1.5	2.2	2.9	4.8	7.3	9.7	14.5	19.3	21.7	24.1	29.0

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**THREE PHASE DISTRIBUTION TRANSFORMERS - FULL LINE CURRENT IN AMPERES**

VOLTS	TRANSFORMER RATING IN KV - THREE PHASE													
	30	45	75	112.5	150	225	300	500	750	1000	1500	2000	2500	3000
208	83.3	124.9	208.2	312.3	416.4	624.6	832.7	1387.9	2081.9	2775.8	4163.7	5551.6	6939.5	8327.4
240	72.2	108.3	180.4	270.6	360.9	541.3	721.7	1202.9	1804.3	2405.6	3608.6	4811.4	6014.2	7217.1
480	36.1	54.1	90.2	135.3	180.4	270.6	360.9	601.4	902.1	1202.9	1804.3	2405.7	3007.1	3608.6
600	28.9	43.3	72.2	108.3	144.3	216.5	288.7	481.1	721.7	962.3	1443.4	1924.6	2405.7	2886.8
2400	7.2	10.8	18.0	27.1	36.1	54.1	72.2	120.3	180.4	240.6	360.9	481.1	601.8	721.7
4160	4.2	6.3	10.4	15.6	20.8	31.2	41.6	69.4	104.1	138.8	208.2	277.6	347.2	416.4
4800	3.6	5.4	9.0	13.5	18.0	27.1	36.1	60.1	90.2	120.3	180.4	240.6	300.9	360.9
7200	2.4	3.6	6.0	9.0	12.0	18.0	24.1	40.1	60.1	80.2	120.3	160.4	200.6	240.6
8320	2.1	3.1	5.2	7.8	10.4	15.6	20.8	34.7	52.1	69.4	104.1	138.8	173.6	208.2
12470	1.4	2.1	3.5	5.2	7.0	10.4	13.9	23.2	34.7	46.3	69.5	92.6	115.8	138.9
13860	1.3	1.9	3.1	4.7	6.3	9.4	12.5	20.8	31.2	41.7	62.5	83.3	104.2	125.0
14400	1.2	1.8	3.0	4.5	6.0	9.0	12.0	20.1	30.1	40.1	60.1	80.2	100.3	120.3
19920	0.9	1.3	2.2	3.3	4.4	6.5	8.7	14.5	21.7	29.0	43.5	58.0	72.5	87.0
24940	0.7	1.0	1.7	2.6	3.5	5.2	7.0	11.6	17.4	23.2	34.7	46.3	57.9	69.5
27600	0.6	0.9	1.6	2.4	3.1	4.7	6.3	10.5	15.7	20.9	31.4	41.8	52.3	62.8
34500	0.5	0.8	1.3	1.9	2.5	3.8	5.0	8.4	12.6	16.7	25.1	33.5	41.9	50.2

1-800-663-3582  
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 LE GROUPE DELTA xfo



**1 phase**

kVA	Tension de ligne (V) - Line Voltage (V)					
	120	240	480	600	2400	4160
3	25	12.5	6.25	5	1.25	0.72
5	41.7	20.8	10.4	8.33	2.08	1.2
7.5	62.5	31.3	15.6	12.5	3.13	1.8
10	83.3	41.7	20.8	16.7	4.17	2.4
15	125	62.5	31.3	25	6.25	3.61
25	208	104	52.1	41.7	10.4	6.01
37.5	313	156	78.1	62.5	15.6	9.01
50	417	208	104	83.3	20.8	12
75	625	313	156	125	31.3	18
100	833	417	208	167	41.7	24
150	1250	625	313	250	62.5	36.1
200	1667	833	417	333	83.3	48.1
250	2083	1042	521	417	104	60.1
333	2775	1388	694	555	139	80

$kVA = \frac{V \times A}{1000}$

$A = \frac{kVA \times 1000}{V}$

**E.V.I.**

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**3 phases - 3 phase**

kVA	Tension de ligne (V) - Line Voltage (V)					
	208	240	480	600	2400	4160
6	16.7	14.4	7.22	5.77	1.44	0.83
10	27.8	24.1	12	9.62	2.41	1.39
15	41.6	36.1	18	14.4	3.61	2.08
30	83.3	72.2	36.1	28.9	7.22	4.16
45	125	108	54.1	43.3	10.8	6.25
50	139	120	60.1	48.1	12	6.94
75	208	180	90.2	72.2	18	10.4
112.5	312	271	135	108	27.1	15.6
150	416	361	180	144	36.1	20.8
225	625	541	271	217	54.1	31.2
300	833	722	361	289	72.2	41.6
450	1249	1083	541	433	108	62.5
500	1388	1203	601	481	120	69.4
600	1665	1443	722	577	144	83.3
750	2082	1804	902	722	180	104
1000	2776	2406	1203	962	241	139
1500	4164	3608	1804	1443	361	208
2000	5552	4811	2406	1925	481	278

$kVA = \frac{1.732 \times V \times A}{1000}$

$A = \frac{kVA \times 1000}{1.732 \times V}$

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