

LET'S BE PACIFIC

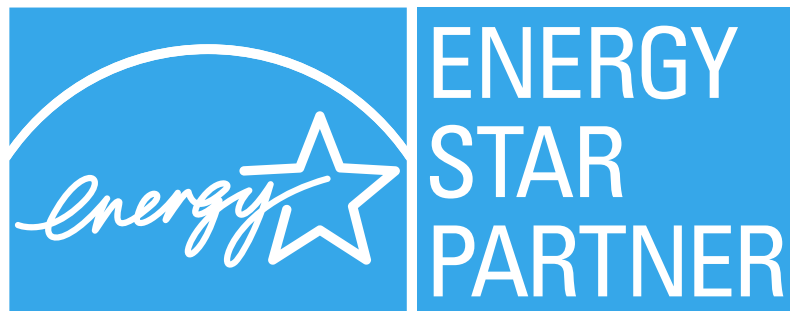
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The Facts About Federal Pacific NEMA TP-1 Energy Efficient Transformers

ALBUQUERQUE, Aug. 8 -- President Bush signed the first national energy legislation in more than a decade.....

- The efficiency of a low voltage dry-type distribution transformer manufactured on or after January 1, 2007, shall be Class I Efficiency Levels for distribution transformers specified in Table 42 of the 'Guide for Determining Energy Efficiency for Distribution Transformers' published by the National Electrical Manufacturers Association (NEMA TP 12002).
 - Energy Policy Act of 2005 –
- Federal Pacific is an Energy Star Partner and manufactures NEMA TP-1 Compliant Transformers



- Federal Pacific stocks 15 KVA single phase through 500 KVA three phase models of Energy Star, TP-1 Compliant transformers throughout 24 warehouse locations in the USA.
 - Federal Pacific meets California Energy Commission – Title 20 Regulation
- Federal Pacific has the only Lightning Fast Shipment Program offering the Fastest Lead Times in the Industry! Energy Efficient Included
- One (1) Week! 15 KVA-225 KVA, 600 Volt Class Ventilated
 - Two (2) Weeks! 300 KVA-750 KVA, 600 Volt Class Ventilated
 - Three (3) Weeks! 750 KVA and Up, 600 Volt Class, Ventilated

Federal Pacific has the only twelve (12) Year Warranty in the Industry for 600 Volt Class, Ventilated transformers

Federal Pacific is Dedicated to Meeting our Commitments to All our Customers

Call Bill Boswell at (276) 669-4084 or email: bboswell@electro-mechanical.com

Three-Phase Energy Efficient Transformers

NEMA (TP 1, TP 2 and TP 3) and Energy Star[®] Qualified⁽¹⁾

Type FH: • 220° C Insulation System • Indoor Ventilated • Floor Mounted



Type	KVA	Catalog Number	Taps	Approximate Enclosure Dimensions - Inches			Appx Total Lbs.	Weather Shield	Wiring Diagram	Wall Mount Bracket
				H	W	D				
150° C Rise, 480 - 208Y/120, 60 Hz, TP 1 Rated, Aluminum										
FH	15	T4T15E	+2, -4 x 2-1/2%	29	17-1/8	19-3/8	210	WS-2	22	WMB-3
	30	T4T30E	+2, -4 x 2-1/2%	34	22-3/8	19-7/8	320	WS-4	22	WMB-3
	45	T4T45E	+2, -4 x 2-1/2%	34	22-3/8	19-7/8	365	WS-4	22	WMB-3
	75	T4T75E	+2, -4 x 2-1/2%	37	26	19-7/8	490	WS-18A	22	WMB-4
	112.5	T4T112E	+2, -4 x 2-1/2%	43	28-1/2	23-1/2	675	WS-18	22	WMB-4
	150	T4T150E	+2, -4 x 2-1/2%	44-1/2	39	23	960	WS-10A	22A	NONE
	225	T4T225E	+2, -4 x 2-1/2%	51	42-1/8	26	1320	WS-12	22A	NONE
	300	T4T300SE*	+2, -4 x 2-1/2%	63	46-1/2	30-7/8	1630	WS-14	22A	NONE
500	T4T500SE*	+2, -4 x 2-1/2%	72-3/4	53-3/8	36-7/8	2335	WS-16	22A	NONE	
150° C Rise, 480 - 240Y/120, LT (Lighting Tap), 60 Hz, TP 1 Rated, Aluminum										
FH	15	T43T15E	+2, -4 x 2-1/2%	29	17-1/8	19-3/8	210	WS-2	22	WMB-3
	30	T43T30E	+2, -4 x 2-1/2%	34	22-3/8	19-7/8	320	WS-4	22	WMB-3
	45	T43T45E	+2, -4 x 2-1/2%	34	22-3/8	19-7/8	365	WS-4	22	WMB-3
	75	T43T75E	+2, -4 x 2-1/2%	37	26	19-7/8	365	WS-18A	22	WMB-4
	112.5	T43T112E	+2, -4 x 2-1/2%	43	28-1/2	23-1/2	675	WS-18	22	WMB-4
	150	T43T150E	+2, -4 x 2-1/2%	44-1/2	39	23	960	WS-10A	22A	NONE
	225	T43T225E	+2, -4 x 2-1/2%	51	42-1/8	26	1320	WS-12	22A	NONE
	500	T43T300E	+2, -4 x 2-1/2%	63	46-1/2	30-7/8	1630	WS-14	22A	NONE
150° C Rise, 240-208Y/120, 60 Hz, TP 1 Rated, Aluminum										
FH	15	T242T15E	+2, -4 x 2-1/2%	29	17.125	19.375	210	WS-2	22	WMB-3
	30	T242T30E	+2, -4 x 2-1/2%	34	22.375	19.875	320	WS-4	22	WMB-3
	45	T242T45E	+2, -4 x 2-1/2%	34	22.375	19.875	365	WS-4	22	WMB-3
	75	T242T75E	+2, -4 x 2-1/2%	37	26	19.875	540	WS-18A	22	WMB-4
150° C Rise, 480-480Y/277, 60 Hz, TP 1 Rated, Aluminum										
FH	30	T484T30E	+2, -4 x 2-1/2%	34	22.375	19.875	320	WS-4	22	WMB-3
	45	T484T45E	+2, -4 x 2-1/2%	34	22.375	19.875	365	WS-4	22	WMB-3
	75	T484T75E	+2, -4 x 2-1/2%	37	26	19.875	490	WS-18A	22	WMB-4
115° C Rise, 480 - 208Y/120, 60 Hz, TP 1 Rated, Aluminum										
FH	15	T4T15FE	+2, -4 x 2-1/2%	34	22-3/8	19-7/8	230	WS-4	22	WMB-3
	30	T4T30FE	+2, -4 x 2-1/2%	34	22-3/8	19-7/8	340	WS-4	22	WMB-3
	45	T4T45FE	+2, -4 x 2-1/2%	37	26	19-7/8	400	WS-18A	22	WMB-3
	75	T4T75FE	+2, -4 x 2-1/2%	43	28-1/2	23-1/2	595	WS-18	22	WMB-4
	112.5	T4T112FE	+2, -4 x 2-1/2%	43	28-1/2	23-1/2	710	WS-18	22	WMB-4
	150	T4T150FE	+2, -4 x 2-1/2%	44-1/2	39	23	1140	WS-10A	22A	NONE
	225	T4T225FE	+2, -4 x 2-1/2%	51	42-1/8	26	1320	WS-12	22A	NONE
	300	T4T300FE	+2, -4 x 2-1/2%	72-3/4	53-3/8	36-7/8	1875	WS-16	22A	NONE
500	T4T500FE	+2, -4 x 2-1/2%	72-3/4	53-3/8	36-7/8	2620	WS-16	22A	NONE	
80° C Rise, 480 - 208Y/120, 60 Hz, TP 1 Rated, Aluminum										
FH	15	T4T15BE	+2, -4 x 2-1/2%	34	22-3/8	19-7/8	285	WS-4	22	WMB-3
	30	T4T30BE	+2, -4 x 2-1/2%	34	22-3/8	19-7/8	365	WS-4	22	WMB-3
	45	T4T45BE	+2, -4 x 2-1/2%	37	26	19-7/8	490	WS-18A	22	WMB-4
	75	T4T75BE	+2, -4 x 2-1/2%	43	28-1/2	23-1/2	675	WS-18	22	WMB-4
	112.5	T4T112BE	+2, -4 x 2-1/2%	44-1/2	39	23	960	WS-10A	22A	NONE
	150	T4T150BE	+2, -4 x 2-1/2%	51	42-1/8	26	1320	WS-12	22A	NONE
	225	T4T225BE	+2, -4 x 2-1/2%	63	46.5	30-7/8	1630	WS-16	22A	NONE
	300	T4T300BE	+2, -4 x 2-1/2%	72-3/4	53-3/8	36-7/8	2335	WS-14	22A	NONE
	500	T4T500BE	+2, -4 x 2-1/2%	76-3/4	53-3/8	44-3/8	3100	N/R	22A	NONE

For wiring diagram refer to current Federal Pacific Catalog BTC-08/05.



Three-Phase Energy Efficient Transformers

NEMA (TP 1, TP 2 and TP 3) and Energy Star[®] Qualified⁽¹⁾

Type FH: • 220° C Insulation System • Indoor Ventilated • Floor Mounted



Type	KVA	Catalog Number	Taps	Approximate Enclosure Dimensions - Inches			Appx Total Lbs.	Weather Shield ¹	Wiring Diagram	Wall Mount Bracket
				H	W	D				
150° C Rise • 480 - 208Y/120, 60 Hz, Electrostatically Shielded, TP 1 Rated, Copper										
FH	15	T4T15CSE	+2, -4 x 2-1/2%	29	17-1/8	19-3/8	240	WS-2	22	WMB-3
	30	T4T30CSE	+2, -4 x 2-1/2%	34	22-3/8	19-7/8	355	WS-4	22	WMB-3
	45	T4T45CSE	+2, -4 x 2-1/2%	34	22-3/8	19-7/8	410	WS-4	22	WMB-3
	75	T4T75CSE	+2, -4 x 2-1/2%	37	26	19-7/8	540	WS-18A	22	WMB-4
	112.5	T4T112CSE	+2, -4 x 2-1/2%	43	28-1/2	23-1/2	750	WS-18	22	WMB-4
	150	T4T150CSE	+2, -4 x 2-1/2%	44-1/2	39	23	1050	WS-10A	22A	NONE
	225	T4T225CSE	+2, -4 x 2-1/2%	51	42-1/8	26	1440	WS-12	22A	NONE
	300	T4T300CSE	+2, -4 x 2-1/2%	63	46-1/2	30-7/8	1830	WS-14	22A	NONE
	500	T4T500CSE	+2, -4 x 2-1/2%	72-3/4	53-3/8	36-7/8	2700	WS-16	22A	NONE
115° C Rise • 480 - 208Y/120, 60 Hz, Electrostatically Shielded, TP 1 Rated, Copper										
FH	15	T4T15FCSE	+2, -4 x 2-1/2%	34	22-3/8	19-7/8	250	WS-4	22	WMB-3
	30	T4T30FCSE	+2, -4 x 2-1/2%	34	22-3/8	19-7/8	355	WS-4	22	WMB-3
	45	T4T45FCSE	+2, -4 x 2-1/2%	34	22-3/8	19-7/8	435	WS-4	22	WMB-3
	75	T4T75FCSE	+2, -4 x 2-1/2%	43	28-1/2	23-1/2	670	WS-18	22	WMB-4
	112.5	T4T112FCSE	+2, -4 x 2-1/2%	43	28-1/2	23-1/2	835	WS-18	22	WMB-4
	150	T4T150FCSE	+2, -4 x 2-1/2%	44-1/2	39	23	1120	WS-10A	22A	NONE
	225	T4T225FCSE	+2, -4 x 2-1/2%	51	42-1/8	26	1440	WS-12	22A	NONE
	300	T4T300FCSE	+2, -4 x 2-1/2%	72-3/4	53-3/8	36-7/8	2170	WS-16	22A	NONE
	500	T4T500FCSE	+2, -4 x 2-1/2%	72-3/4	53-3/8	36-7/8	2880	WS-16	22A	NONE
80° C Rise • 480 - 208Y/120, 60 Hz, Electrostatically Shielded, TP 1 Rated, Copper										
FH	15	T4T15BCSE	+2, -4 x 2-1/2%	34	22-3/8	19-7/8	305	WS-4	22	WMB-3
	30	T4T30BCSE	+2, -4 x 2-1/2%	34	22-3/8	19-7/8	410	WS-4	22	WMB-3
	45	T4T45BCSE	+2, -4 x 2-1/2%	37	26	19-7/8	540	WS-18A	22	WMB-4
	75	T4T75BCSE	+2, -4 x 2-1/2%	43	28-1/2	23-1/2	750	WS-18	22	WMB-4
	112.5	T4T112BCSE	+2, -4 x 2-1/2%	44-1/2	39	23	1050	WS-10A	22	NONE
	150	T4T150BCSE	+2, -4 x 2-1/2%	51	42-1/8	26	1440	WS-12	22A	NONE
	225	T4T225BCSE	+2, -4 x 2-1/2%	72-3/4	53-3/8	36-7/8	1830	WS-16	22A	NONE
	300	T4T300BCSE	+2, -4 x 2-1/2%	72-3/4	53-3/8	36-7/8	2700	WS-16	22A	NONE
	500	T4T500BCSE	+2, -4 x 2-1/2%	76-3/4	53-3/8	44-3/8	3600	N/R	22A	NONE

For wiring diagram refer to current Federal Pacific Catalog BTC-08/05.



Single Phase Energy Efficient Transformers

NEMA (TP 1, TP 2 and TP 3) and Energy Star[®] Qualified ⁽¹⁾

Type FH: • 220° C Insulation System • Indoor Ventilated • Floor Mounted



Type	KVA	Catalog Number	Taps	Approximate Enclosure Dimensions - Inches			Appx Total Lbs.	Weather Shield ¹	Wiring Diagram	Wall Mount Bracket
				H	W	D				
150° C Rise • 240 x 480 - 120/240 Volts, Aluminum										
FH	15	S2T15E	+2, -4 x 2-1/2%	33	16-5/8	18-3/8	190	WS-3	9	WMB-3
	25	S2T25E	+2, -4 x 2-1/2%	33	16-5/8	18-3/8	226	WS-3	9	WMB-3
	37	S2T37E	+2, -4 x 2-1/2%	37	22-3/8	19-7/8	357	WS-4	9	WMB-3
	50	S2T50E	+2, -4 x 2-1/2%	37	22-3/8	19-7/8	300	WS-4	9	WMB-4
	75	S2T75E	+2, -4 x 2-1/2%	52	25-3/8	23	610	WS-7	9	WMB-4
	100	S2T100E	+2, -4 x 2-1/2%	52	25-3/8	23	820	WS-7	9	NONE
	167	S2T167E	+2, -4 x 2-1/2%	60	33-3/8	26	990	WS-9	9	NONE
115° C Rise • 240 x 480 - 120/240 Volts, Aluminum										
FH	15	S2T15FE	+2, -4 x 2-1/2%	33	16-5/8	18-3/8	190	WS-3	9	WMB-3
	25	S2T25FE	+2, -4 x 2-1/2%	37	22-3/8	19-7/8	300	WS-4	9	WMB-3
	37	S2T37FE	+2, -4 x 2-1/2%	37	22-3/8	19-7/8	357	WS-4	9	WMB-3
	50	S2T50FE	+2, -4 x 2-1/2%	45-1/2	24-3/4	20	490	WS-5	9	WMB-4
	75	S2T75FE	+2, -4 x 2-1/2%	52	25-3/8	23	610	WS-7	9	WMB-4
	100	S2T100FE	+2, -4 x 2-1/2%	60	33-3/8	26	880	WS-9	9	NONE
	167	S2T167FE	+2, -4 x 2-1/2%	72	53	44	1700	N/R	9	NONE
150° C Rise • 240 x 480 - 120/240 Volts, Copper										
FH	15	S2T15CE	+2, -4 x 2-1/2%	33	16-5/8	18-3/8	220	WS-3	9	WMB-3
	25	S2T25CE	+2, -4 x 2-1/2%	33	16-5/8	18-33/8	257	WS-3	9	WMB-3
	37	S2T37CE	+2, -4 x 2-1/2%	37	22-3/8	19-7/8	390	WS-4	9	WMB-3
	50	S2T50CE	+2, -4 x 2-1/2%	37	22-3/8	19-7/8	328	WS-4	9	WMB-4
	75	S2T75CE	+2, -4 x 2-1/2%	52	25-3/8	23	680	WS-7	9	WMB-4
	100	S2T100CE	+2, -4 x 2-1/2%	52	25-3/8	23	924	WS-7	9	NONE
	167	S2T167CE	+2, -4 x 2-1/2%	60	33-3/8	26	1140	WS-9	9	NONE
115° C Rise • 240 x 480 - 120/240 Volts, Copper										
FH	15	S2T15FCE	+2, -4 x 2-1/2%	33	16-5/8	18-3/8	220	WS-3	9	WMB-3
	25	S2T25FCE	+2, -4 x 2-1/2%	37	22-3/8	19-7/8	345	WS-4	9	WMB-3
	37	S2T37FCE	+2, -4 x 2-1/2%	37	22-3/8	19-7/8	390	WS-4	9	WMB-3
	50	S2T50FCE	+2, -4 x 2-1/2%	45-1/2	24-3/4	20	550	WS-5	9	WMB-4
	75	S2T75FCE	+2, -4 x 2-1/2%	52	25-3/8	23	815	WS-7	9	WMB-4
	100	S2T100FCE	+2, -4 x 2-1/2%	60	33-3/8	26	1140	WS-9	9	NONE
	167	S2T167FCE	+2, -4 x 2-1/2%	72	53	44	1940	N/R	9	NONE

For wiring diagram refer to current Federal Pacific Catalog BTC-08/05.

