

Series characteristics

Series	PX		
Type of construction	Open frame		
Ingress protection index	IP00		
Ambient operating temperature min. ~ max.	-5 ... +30°C		
Operational temperature rise	+ 55°C		
Operating humidity RH non-condensing	20 ~ 90%		
Operating altitude above sea level max.	≤ 1000 M		
Protective earth class	Class 1		
Cooling class	AN (Air Natural)		
Insulation class	Class B 130°C		
Short-circuit protection (external device required)	Input "T" fuse or "D" MCB		
Over-load protection (external device required)	Output "F" fuse or "C" MCB		
Isolation	4.0kV		
Pri/Earth, Pri/Sec1/Sec2, Sec1/Sec2/Earth	4.0kV		

Product specifications

Product	Prim Input Volt (vac)	Prim Input Current F/L (A)	Prim in-rush Current F/L (A)	Sec Output volt F/L (vac)	Sec output volt O/C (vac)	Sec Output Current F/L (A)	Sec Overload device value (A)	Total power rating (V.A)	Frequency range (Hz)	Max overload capacity (%)	Short-circuit voltage (%)	Core Excite (mag) Current (A)	Nominal Loss (W)	Isolation Class	Manufactured Standard AS/NZS
PX03	230	0.07	1.60	Parallel 115 Series 230	Parallel 121.0 Series 242.0	Parallel 0.140 Series 0.070	Parallel 0.150 Series 0.075	16	47 ~ 63	115	14.0	0.016	1.8	Isolating	AS/NZS 61558.2.4
PX04	230	0.13	2.93	Parallel 115 Series 230	Parallel 121.0 Series 242.0	Parallel 0.260 Series 0.130	Parallel 0.30 Series 0.15	30	47 ~ 63	115	11.5	0.026	3.0	Isolating	AS/NZS 61558.2.4
PX06	230	0.22	4.95	Parallel 115 Series 230	Parallel 121.0 Series 242.0	Parallel 0.44 Series 0.22	Parallel 0.50 Series 0.25	50	47 ~ 63	115	9.8	0.034	3.9	Isolating	AS/NZS 61558.2.4
PX08	230	0.44	9.90	Parallel 115 Series 230	Parallel 121.0 Series 242.0	Parallel 0.87 Series 0.44	Parallel 1.0 Series 0.5	100	47 ~ 63	125	8.2	0.050	5.8	Isolating	AS/NZS 61558.2.4
PX10	230	0.87	19.6	Parallel 115 Series 230	Parallel 119.6 Series 239.2	Parallel 1.74 Series 0.87	Parallel 2.0 Series 1.0	200	47 ~ 63	125	5.2	0.076	8.7	Isolating	AS/NZS 61558.2.4
PX11	230	1.09	24.5	Parallel 115 Series 230	Parallel 119.5 Series 239.0	Parallel 2.17 Series 1.09	Parallel 2.5 Series 1.25	250	47 ~ 63	125	4.3	0.087	10.0	Isolating	AS/NZS 61558.2.4
PX12	230	1.30	29.3	Parallel 115 Series 230	Parallel 119.6 Series 239.2	Parallel 2.61 Series 1.30	Parallel 3.0 Series 1.5	300	47 ~ 63	125	3.8	0.100	11.5	Isolating	AS/NZS 61558.2.4
PX13	230	1.74	39.2	Parallel 115 Series 230	Parallel 120.7 Series 241.4	Parallel 3.48 Series 1.74	Parallel 4.0 Series 2.0	400	47 ~ 63	125	4.6	0.239	27.5	Isolating	AS/NZS 61558.2.4
PX14	230	2.17	48.8	Parallel 115 Series 230	Parallel 121.7 Series 243.4	Parallel 4.35 Series 2.17	Parallel 5.0 Series 2.5	500	47 ~ 63	125	5.8	0.250	28.8	Isolating	AS/NZS 61558.2.4
PX15	230	2.61	58.7	Parallel 115 Series 230	Parallel 119.6 Series 239.2	Parallel 5.22 Series 2.61	Parallel 6.0 Series 3.0	600	47 ~ 63	125	3.8	0.284	32.7	Isolating	AS/NZS 61558.2.4
PX16	230	3.48	78.3	Parallel 115 Series 230	Parallel 121.0 Series 242.0	Parallel 6.96 Series 3.48	Parallel 8.0 Series 4.0	800	47 ~ 63	125	3.2	0.330	38.0	Isolating	AS/NZS 61558.2.4
PX17	230	4.35	97.9	Parallel 115 Series 230	Parallel 121.4 Series 242.8	Parallel 8.70 Series 4.35	Parallel 10 Series 5.0	1000	47 ~ 63	125	2.9	0.400	46.0	Isolating	AS/NZS 61558.2.4
PX19	230	6.52	146	Parallel 115 Series 230	Parallel 118.6 Series 237.2	Parallel 13.0 Series 6.52	Parallel 15.0 Series 7.5	1500	47 ~ 63	125	2.8	0.540	62.1	Isolating	AS/NZS 61558.2.4
PX21	230	8.70	196	Parallel 115 Series 230	Parallel 118.2 Series 236.4	Parallel 17.4 Series 8.70	Parallel 20.0 Series 10.0	2000	47 ~ 63	125	2.5	0.740	85.1	Isolating	AS/NZS 61558.2.4
PX23	230	13.0	293	Parallel 115 Series 230	Parallel 119.1 Series 238.3	Parallel 26.1 Series 13.0	Parallel 30.0 Series 15.0	3000	47 ~ 63	125	6	0.968	156.2	Isolating	AS/NZS 61558.2.4

"T" fuse = time delayed fuse (slow blow) no rupture during inrush start-up
"C" MCB = fast trip

"D" MCB = time delayed MCB no trip during inrush start-up
F/L = full load current

"F" fuse = fast blow (normal blow)
O/C = open circuit no load

Product	Prim Input Volt (vac)	Prim Input Current F/L (A)	Prim in-rush Current F/L (A)	Sec Output volt F/L (vac)	Sec output volt O/C (vac)	Sec Output Current F/L (A)	Sec Overload device value (A)	Total power rating (V.A)	Freq-ucy range (Hz)	Max overload capacity (%)	Short-circuit voltage (%)	Core Excite (mag) Current (A)	Nominal Loss (W)	Isolation Class	Manufactured Standard ASNZS
PX25	400	0.04	0.90	Parallel 115 Series 230	Parallel 121.0 Series 242.0	Parallel 0.140 Series 0.070	Parallel 0.150 Series 0.075	16	47 ~ 63	115	15.3	0.010	2.0	Isolating	ASNZS 61558.2.4
PX26	400	0.08	1.80	Parallel 115 Series 230	Parallel 121.0 Series 242.0	Parallel 0.260 Series 0.130	Parallel 0.30 Series 0.15	30	47 ~ 63	115	12.9	0.015	3.0	Isolating	ASNZS 61558.2.4
PX28	400	0.13	2.93	Parallel 115 Series 230	Parallel 121.0 Series 242.0	Parallel 0.44 Series 0.22	Parallel 0.50 Series 0.25	50	47 ~ 63	115	11.9	0.023	4.6	Isolating	ASNZS 61558.2.4
PX30	400	0.25	5.63	Parallel 115 Series 230	Parallel 121.0 Series 242.0	Parallel 0.87 Series 0.44	Parallel 1.0 Series 0.5	100	47 ~ 63	125	9.0	0.030	6.0	Isolating	ASNZS 61558.2.4
PX32	400	0.50	11.3	Parallel 115 Series 230	Parallel 119.6 Series 239.2	Parallel 1.74 Series 0.87	Parallel 2.0 Series 1.0	200	47 ~ 63	125	5.4	0.043	8.6	Isolating	ASNZS 61558.2.4
PX33	400	0.63	14.2	Parallel 115 Series 230	Parallel 119.5 Series 239.0	Parallel 2.17 Series 1.09	Parallel 2.5 Series 1.25	250	47 ~ 63	125	4.5	0.051	10.2	Isolating	ASNZS 61558.2.4
PX34	400	0.75	16.9	Parallel 115 Series 230	Parallel 119.6 Series 239.2	Parallel 2.61 Series 1.30	Parallel 3.0 Series 1.5	300	47 ~ 63	125	5.0	0.056	11.2	Isolating	ASNZS 61558.2.4
PX35	400	1.00	22.5	Parallel 115 Series 230	Parallel 120.6 Series 241.2	Parallel 3.48 Series 1.74	Parallel 4.0 Series 2.0	400	47 ~ 63	125	10	0.139	36	Isolating	ASNZS 61558.2.4
PX36	400	1.25	28.1	Parallel 115 Series 230	Parallel 121.6 Series 243.2	Parallel 4.35 Series 2.17	Parallel 5.0 Series 2.5	500	47 ~ 63	125	4.4	0.150	30.0	Isolating	ASNZS 61558.2.4
PX37	400	1.50	33.8	Parallel 115 Series 230	Parallel 119.8 Series 239.6	Parallel 5.22 Series 2.61	Parallel 6.0 Series 3.0	600	47 ~ 63	125	5.6	0.176	35.2	Isolating	ASNZS 61558.2.4
PX38	400	2.00	45.0	Parallel 115 Series 230	Parallel 121.4 Series 242.8	Parallel 6.96 Series 3.48	Parallel 8.0 Series 4.0	800	47 ~ 63	125	3.8	0.192	38.4	Isolating	ASNZS 61558.2.4
PX39	400	2.50	56.3	Parallel 115 Series 230	Parallel 121.5 Series 243.0	Parallel 8.70 Series 4.35	Parallel 10 Series 5.0	1000	47 ~ 63	125	3.1	0.230	46.0	Isolating	ASNZS 61558.2.4
PX41	400	3.75	84.4	Parallel 115 Series 230	Parallel 118.4 Series 236.8	Parallel 13.0 Series 6.52	Parallel 15.0 Series 7.5	1500	47 ~ 63	125	2.9	0.310	62.0	Isolating	ASNZS 61558.2.4
PX43	400	5.00	112.5	Parallel 115 Series 230	Parallel 118.3 Series 236.6	Parallel 17.4 Series 8.70	Parallel 20.0 Series 10.0	2000	47 ~ 63	125	2.6	0.430	86.0	Isolating	ASNZS 61558.2.4
PX45	400	7.50	168.8	Parallel 115 Series 230	Parallel 118.2 Series 236.4	Parallel 26.1 Series 13.0	Parallel 30.0 Series 15.0	3000	47 ~ 63	125	2.6	0.480	96.0	Isolating	ASNZS 61558.2.4

"T" fuse = time delayed fuse (slow blow) no rupture during inrush start-up
"C" MCB = fast trip

"D" MCB = time delayed MCB no trip during inrush start-up
F/L = full load current

"F" fuse = fast blow (normal blow)
O/C = open circuit no load

Product	Prim Input Volt (vac)	Prim Input Current F/L (A)	Prim in-rush current F/L (A)	Sec Output volt F/L (vac)	Sec output volt O/C (vac)	Sec Output Current F/L (A)	Sec Overload device value (A)	Total power rating (V.A)	Freq-uecy range (Hz)	Max overload capacity (%)	Short-circuit voltage (%)	Core Excite (mag) Current (A)	Nominal Loss (W)	Isolation Class	Manufactured Standard ASNZS
PX48	230	0.07	1.60	Parallel 12 Series 24	Parallel 14.2 Series 28.4	Parallel 1.33 Series 0.67	Parallel 1.50 Series 0.75	16	47 ~ 63	115	15.2	0.016	1.8	Safety Isolating	ASNZS 61558.2.6
PX49	230	0.13	2.93	Parallel 12 Series 24	Parallel 14.1 Series 28.3	Parallel 2.50 Series 1.25	Parallel 2.5 Series 1.25	30	47 ~ 63	115	13.0	0.026	3.0	Safety Isolating	ASNZS 61558.2.6
PX51	230	0.22	4.95	Parallel 12 Series 24	Parallel 14.0 Series 28.0	Parallel 4.17 Series 2.08	Parallel 5.0 Series 2.5	50	47 ~ 63	115	16.0	0.034	3.9	Safety Isolating	ASNZS 61558.2.6
PX53	230	0.44	9.90	Parallel 12 Series 24	Parallel 13.6 Series 27.2	Parallel 8.33 Series 4.17	Parallel 10 Series 5.0	100	47 ~ 63	125	9.1	0.051	5.9	Safety Isolating	ASNZS 61558.2.6
PX55	230	0.87	19.6	Parallel 12 Series 24	Parallel 12.7 Series 25.4	Parallel 16.7 Series 8.33	Parallel 20 Series 10	200	47 ~ 63	125	5.6	0.073	8.4	Safety Isolating	ASNZS 61558.2.6
PX56	230	1.09	24.5	Parallel 12 Series 24	Parallel 12.5 Series 25.0	Parallel 20.8 Series 10.4	Parallel 25 Series 12.5	250	47 ~ 63	125	4.7	0.087	10.0	Safety Isolating	ASNZS 61558.2.6
PX57	230	1.30	29.3	Parallel 12 Series 24	Parallel 12.7 Series 25.4	Parallel 25.0 Series 12.5	Parallel 30 Series 15	300	47 ~ 63	125	5.9	0.100	11.5	Safety Isolating	ASNZS 61558.2.6
PX58	230	1.74	39.2	Parallel 12 Series 24	Parallel 12.6 Series 25.2	Parallel 33.3 Series 16.7	Parallel 40 Series 20	400	47 ~ 63	125	10	0.175	35.7	Safety Isolating	ASNZS 61558.2.6
PX59	230	2.17	48.8	Parallel 12 Series 24	Parallel 12.5 Series 25.0	Parallel 41.7 Series 20.8	Parallel 50 Series 25	500	47 ~ 63	125	10	0.204	43	Safety Isolating	ASNZS 61558.2.6
PX60	230	2.61	58.7	Parallel 12 Series 24	Parallel 12.6 Series 25.2	Parallel 50.0 Series 25.0	Parallel 63 Series 32	600	47 ~ 63	125	4.3	0.284	32.7	Safety Isolating	ASNZS 61558.2.6
PX61	230	3.48	78.3	Parallel 12 Series 24	Parallel 12.9 Series 25.8	Parallel 66.7 Series 33.3	Parallel 80 Series 40	800	47 ~ 63	125	3.8	0.330	38.0	Safety Isolating	ASNZS 61558.2.6
PX62	230	4.35	97.9	Parallel 12 Series 24	Parallel 12.8 Series 25.6	Parallel 83.3 Series 41.7	Parallel 100 Series 50	1000	47 ~ 63	125	10	0.476	70.2	Safety Isolating	ASNZS 61558.2.6
PX64	400	0.04	0.90	Parallel 12 Series 24	Parallel 14.2 Series 28.4	Parallel 1.33 Series 0.67	Parallel 1.50 Series 0.75	16	47 ~ 63	115	14.6	0.016	1.8	Safety Isolating	ASNZS 61558.2.6
PX65	400	0.08	1.80	Parallel 12 Series 24	Parallel 14.1 Series 28.3	Parallel 2.50 Series 1.25	Parallel 2.5 Series 1.25	30	47 ~ 63	115	11.8	0.026	3.0	Safety Isolating	ASNZS 61558.2.6
PX67	400	0.13	2.93	Parallel 12 Series 24	Parallel 14.0 Series 28.0	Parallel 4.17 Series 2.08	Parallel 5.0 Series 2.5	50	47 ~ 63	115	14.0	0.034	3.9	Safety Isolating	ASNZS 61558.2.6
PX69	400	0.25	5.63	Parallel 12 Series 24	Parallel 13.6 Series 27.2	Parallel 8.33 Series 4.17	Parallel 10 Series 5.0	100	47 ~ 63	125	11.3	0.051	5.9	Safety Isolating	ASNZS 61558.2.6
PX71	400	0.50	11.3	Parallel 12 Series 24	Parallel 12.7 Series 25.4	Parallel 16.7 Series 8.33	Parallel 20 Series 10	200	47 ~ 63	125	10	0.067	17.5	Safety Isolating	ASNZS 61558.2.6
PX72	400	0.63	14.2	Parallel 12 Series 24	Parallel 12.5 Series 25.0	Parallel 20.8 Series 10.4	Parallel 25 Series 12.5	250	47 ~ 63	125	4.9	0.087	10.0	Safety Isolating	ASNZS 61558.2.6
PX73	400	0.75	16.9	Parallel 12 Series 24	Parallel 12.7 Series 25.4	Parallel 25.0 Series 12.5	Parallel 30 Series 15	300	47 ~ 63	125	4.0	0.100	11.5	Safety Isolating	ASNZS 61558.2.6
PX74	400	1.00	22.5	Parallel 12 Series 24	Parallel 12.6 Series 25.2	Parallel 33.3 Series 16.7	Parallel 40 Series 20	400	47 ~ 63	125	5.6	0.239	27.5	Safety Isolating	ASNZS 61558.2.6
PX75	400	1.25	28.1	Parallel 12 Series 24	Parallel 12.5 Series 25.0	Parallel 41.7 Series 20.8	Parallel 50 Series 25	500	47 ~ 63	125	4.8	0.250	28.8	Safety Isolating	ASNZS 61558.2.6
PX76	400	1.50	33.8	Parallel 12 Series 24	Parallel 12.6 Series 25.2	Parallel 50.0 Series 25.0	Parallel 63 Series 32	600	47 ~ 63	125	4.4	0.284	32.7	Safety Isolating	ASNZS 61558.2.6
PX77	400	2.00	45.0	Parallel 12 Series 24	Parallel 12.9 Series 25.8	Parallel 66.7 Series 33.3	Parallel 80 Series 40	800	47 ~ 63	125	10	0.201	57.6	Safety Isolating	ASNZS 61558.2.6
PX78	400	2.50	56.3	Parallel 12 Series 24	Parallel 12.8 Series 25.6	Parallel 83.3 Series 41.7	Parallel 100 Series 50	1000	47 ~ 63	125	10	0.274	70.8	Safety Isolating	ASNZS 61558.2.6

"T" fuse = time delayed fuse (slow blow) no rupture during inrush start-up
"C" MCB = fast trip

"D" MCB = time delayed MCB no trip during inrush start-up
F/L = full load current

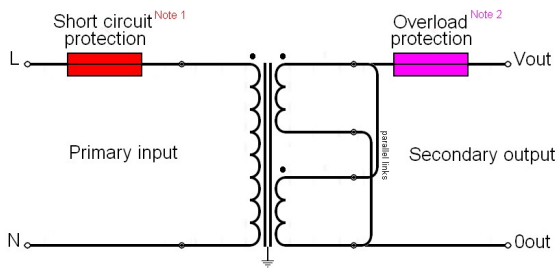
"F" fuse = fast blow (normal blow)
O/C = open circuit no load

Terminations

Voltage	VA rating	Prim input termination	Prim input lead colours	Prim input lead length	Sec output termination	Sec output lead colours	Sec output lead length
12vac or 24vac	16 ~ 1000	-	-	-	4-way terminal block	Sec 1 = White - black	-
						Sec 2 = Blue - Orange	
115vac or 230vac	16 ~ 3000	-	-	-	4-way terminal block	Sec 1 = White - Brown	-
						Sec 2 = Blue - Orange	
230vac	16 ~ 500	0.75mm ² appliance wire	Blue - Brown	270mm	-	-	-
	600 ~ 3000	Sleeved winding wire					
400vac	16 ~ 600	0.75mm ² appliance wire	Blue - Red	270mm	-	-	-
	800 ~ 3000	Sleeved winding wire					

Schematic diagram

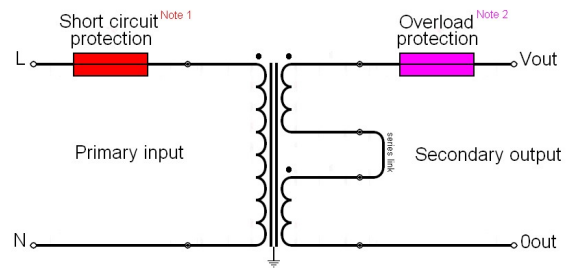
Single phase input 230vac / output parallel



Note 1 - Primary input short circuit protection device external to transformer, installer to supply and fit. The protective device shall be rated to the maximum current rating of the wiring supplying the transformer. Recommend slow blow fuse or "D" curve circuit breaker.

Note 2 - Secondary output overload protection device external to transformer, installer to supply and fit. The protective device shall be rated to the capacity indicated on the transformer label and/or accompanying documentation. Recommend fast blow fuse or "C" curve circuit breaker.

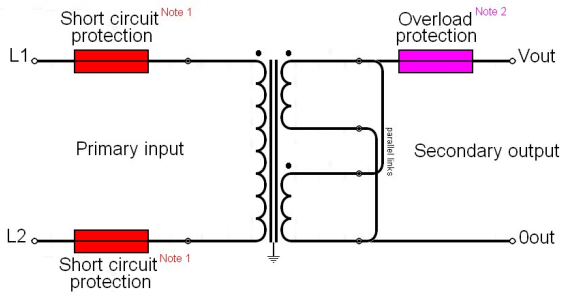
Single phase input 230vac / output series



Note 1 - Primary input short circuit protection device external to transformer, installer to supply and fit. The protective device shall be rated to the maximum current rating of the wiring supplying the transformer. Recommend slow blow fuse or "D" curve circuit breaker.

Note 2 - Secondary output overload protection device external to transformer, installer to supply and fit. The protective device shall be rated to the capacity indicated on the transformer label and/or accompanying documentation. Recommend fast blow fuse or "C" curve circuit breaker.

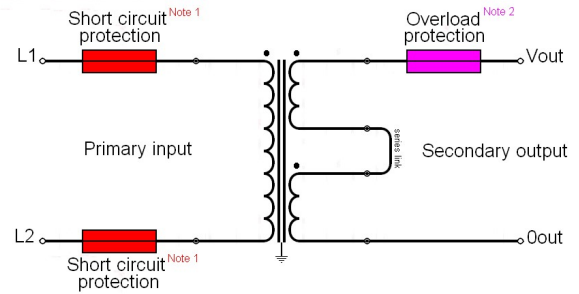
Two phase input 400vac / output parallel



Note 1 - Primary input short circuit protection device external to transformer, installer to supply and fit. The protective device shall be rated to the maximum current rating of the wiring supplying the transformer. Recommend slow blow fuse or "D" curve circuit breaker.

Note 2 - Secondary output overload protection device external to transformer, installer to supply and fit. The protective device shall be rated to the capacity indicated on the transformer label and/or accompanying documentation. Recommend fast blow fuse or "C" curve circuit breaker.

Two phase input 400vac / output series



Note 1 - Primary input short circuit protection device external to transformer, installer to supply and fit. The protective device shall be rated to the maximum current rating of the wiring supplying the transformer. Recommend slow blow fuse or "D" curve circuit breaker.

Note 2 - Secondary output overload protection device external to transformer, installer to supply and fit. The protective device shall be rated to the capacity indicated on the transformer label and/or accompanying documentation. Recommend fast blow fuse or "C" curve circuit breaker.

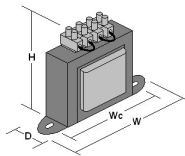
Dimensions

Product VA rating	H Height (mm)	W Width (mm)	D Depth (mm)	Mounting Method	Mounting centres (mm)	Mounting fixings	Weight (kg)
16V.A	70	84	45	"U" Clamp	70 (Wc)	Slotted 3 x 5 mm	0.4
30V.A	76	92	50	"U" Clamp	82 (Wc)	Slotted 3 x 5 mm	0.7
50V.A	97	64	64	"L" Feet	38 (Wc) x 41 (Dc)	Ø 4.0 mm	1.0
100V.A	97	64	76	"L" Feet	38 (Wc) x 58 (Dc)	Ø 4.0 mm	1.6
200V.A	135 (PX10 & 32)	96	90	"L" Feet	63 (Wc) x 63 (Dc)	Ø 5.0 mm	3.8
	139 (PX55 & 71)						
250V.A	135 (PX11 & 33)	96	100	"L" Feet	63 (Wc) x 69 (Dc)	Ø 5.0 mm	4.0
	139 (PX56 & 72)						
300V.A	135 (PX12 & 34)	96	110	"L" Feet	63 (Wc) x 82 (Dc)	Ø 5.0 mm	4.2
	139 (PX57 & 73)						
400V.A	162 (PX13 & 35)	152	85	Base Plate	90 (Wc) x 68 (Dc)	Slotted 5 x 10 mm	5.8
	172 (PX58 & 74)						
500V.A	162 (PX14 & 36)	152	90	Base Plate	90 (Wc) x 68 (Dc)	Slotted 5 x 10 mm	6.8
	172 (PX59 & 75)						
600V.A	162 (PX15 & 37)	152	105	Base Plate	90 (Wc) x 87 (Dc)	Slotted 5 x 10 mm	7.6
	172 (PX60 & 76)						
800V.A	162 (PX16 & 38)	152	125	Base Plate	90 (Wc) x 106 (Dc)	Slotted 5 x 10 mm	10.0
	176 (PX61 & 77)						
1000V.A	162 (PX17 & 39)	152	130	Base Plate	90 (Wc) x 106 (Dc)	Slotted 5 x 10 mm	12.0
	176 (PX62 & 78)						
1500V.A	216	208	125	Base Plate	132 (Wc) x 116 (Dc)	Slotted 5 x 10 mm	14.0
2000V.A	216	208	135	Base Plate	132 (Wc) x 116 (Dc)	Slotted 5 x 10 mm	18.0
3000V.A	216	208	165	Base Plate	132 (Wc) x 142 (Dc)	Slotted 5 x 10 mm	25.0

Drawings

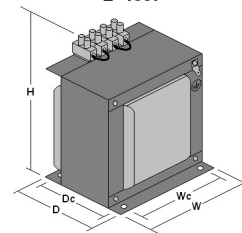
Transformers rated 16~30V.A

"U" clamp



Transformers rated 50~300V.A

"L" feet



Transformers rated 400~3000V.A

Base plate

