

## Toroidal Winding Machine TW 3

Complete with core rotation, gear rack magazine head and controller

Special designed for prim. & sec winding for 300 VA till 5000 VA

Program: microprocessor controlled

Core size: min.  $\varnothing$  25 mm, max.  $\varnothing$  350 mm,

Core height: max. 100 mm

Wire size:  $\varnothing$  0,315 mm to  $\varnothing$  2,12 mm,

SWG 13½ to 30

Magazine diameter: 220 $\varnothing$ mm

Winding speed: 150 RPM

Power: AC 230 / 3 A / 50 Hz

Net weight: 50 kg

Construction: steel frame and aluminium

Machine type			TW3 gear rack winder												
Magazine Type			TW3-20	TW3-25	TW3-30	TW3-35	TW3-37	TW3-45	TW3-50	TW3-60	TW3-70	TW3-80	TW3-90	TW3-100	
Mag. Circumference ( $\varnothing$ mm)			0,691	0,691	0,695	0,695	0,697	0,697	0,697	0,697	0,697	0,697	0,697	0,697	
Mag. Capacity (mm <sup>2</sup> )			30,0	51,0	55,0	82,5	115,0	123,0	174,0	197,0	236,0	322,0	440,0	648,0	
Tx min. final hole ( $\varnothing$ mm)			25	28	31	33	37	40	46	48	55	65	77	100	
AWG	SWG	$\varnothing$ mm													
27	30	0,315	167	284	308	463	647	692	979	1108	1327	1811	2475	3645	
27½	29½	0,335	148	252	273	410	573	613	867	982	1176	1605	2193	3229	
27	29 ±¼	0,355	133	226	245	368	514	550	777	880	1054	1439	1966	2895	
26½	28	0,375	120	204	221	331	463	496	701	794	951	1297	1773	2611	
26	27½	0,400	106	180	196	294	410	439	621	703	842	1149	1570	2312	
25½	27 ±¼	0,425	95	161	175	262	366	392	554	628	752	1026	1402	2064	
25	26	0,450	85	144	156	234	327	350	495	560	671	916	1251	1843	
24½	25½ ±¼	0,475	76	129	140	210	294	315	445	504	604	824	1126	1658	
24 ±¼	25	0,500	69	117	127	191	267	285	404	457	548	747	1021	1504	
23½ ±¼	24½	0,530	62	105	114	170	238	255	360	408	489	667	911	1341	
23 ±¼	24	0,560	56	94	102	154	215	230	325	368	441	601	822	1210	
22½	23 ±¼	0,600	49	82	89	134	188	201	284	321	385	525	718	1057	
22 ±¼	22 ±¼	0,630	44	75	82	123	172	183	260	294	352	480	656	967	
21½ ±¼	22½ ±¼	0,670	39	67	73	109	152	163	230	261	313	426	583	858	
21 ±¼	22	0,710	35	60	65	97	136	146	206	233	280	382	521	768	
20½ ±¼	21½ ±¼	0,750	32	54	58	88	123	131	186	210	252	343	469	691	
20	21	0,800	28	48	52	77	108	116	164	185	222	303	414	610	
19½	21½	0,850	25	42	46	69	96	103	146	165	197	269	368	542	
19	20	0,900	22	38	41	61	86	92	130	147	176	240	328	483	
18½	19½	0,950	20	34	37	55	78	83	117	133	159	217	297	437	
18	19	1,000	18	31	34	50	70	75	106	120	144	197	269	396	
17½	19¼	1,060	16	28	30	45	63	67	95	108	129	176	240	354	
17	18½	1,120	15	25	27	40	56	60	85	97	116	158	216	318	
16½ ±¼	18¼	1,180	13	22	24	36	51	55	77	87	105	143	195	287	
16	18	1,250	11,8	20	22	33	46	49	69	78	94	128	175	257	
15½	17½	1,320		20	29	41	44	62	70	84	115	157	231		
15¼	17	1,400		17	26	37	39	55	63	75	103	140	206		
14½ ±¼	16½	1,500		15	23	32	34	49	55	66	90	123	181		
14	16	1,600		13	20	28	30	43	48	58	79	108	159		
13½	15½	1,700		18	25	27	38	43	52	70	96	142			
13	15	1,800		16	23	24	34	39	46	63	86	127			
12½	14½	1,900		15	20	22	31	35	42	57	78	114			
12	14	2,000		13	18	20	28	31	38	51	70	103			
11½	13½	2,120		11,7	16	17	25	28	34	46	63	92			



Main motor: three-phase asynchronous motor  
 Core rotation: 4 phase step motor  
 Winding counter: inductive sensor