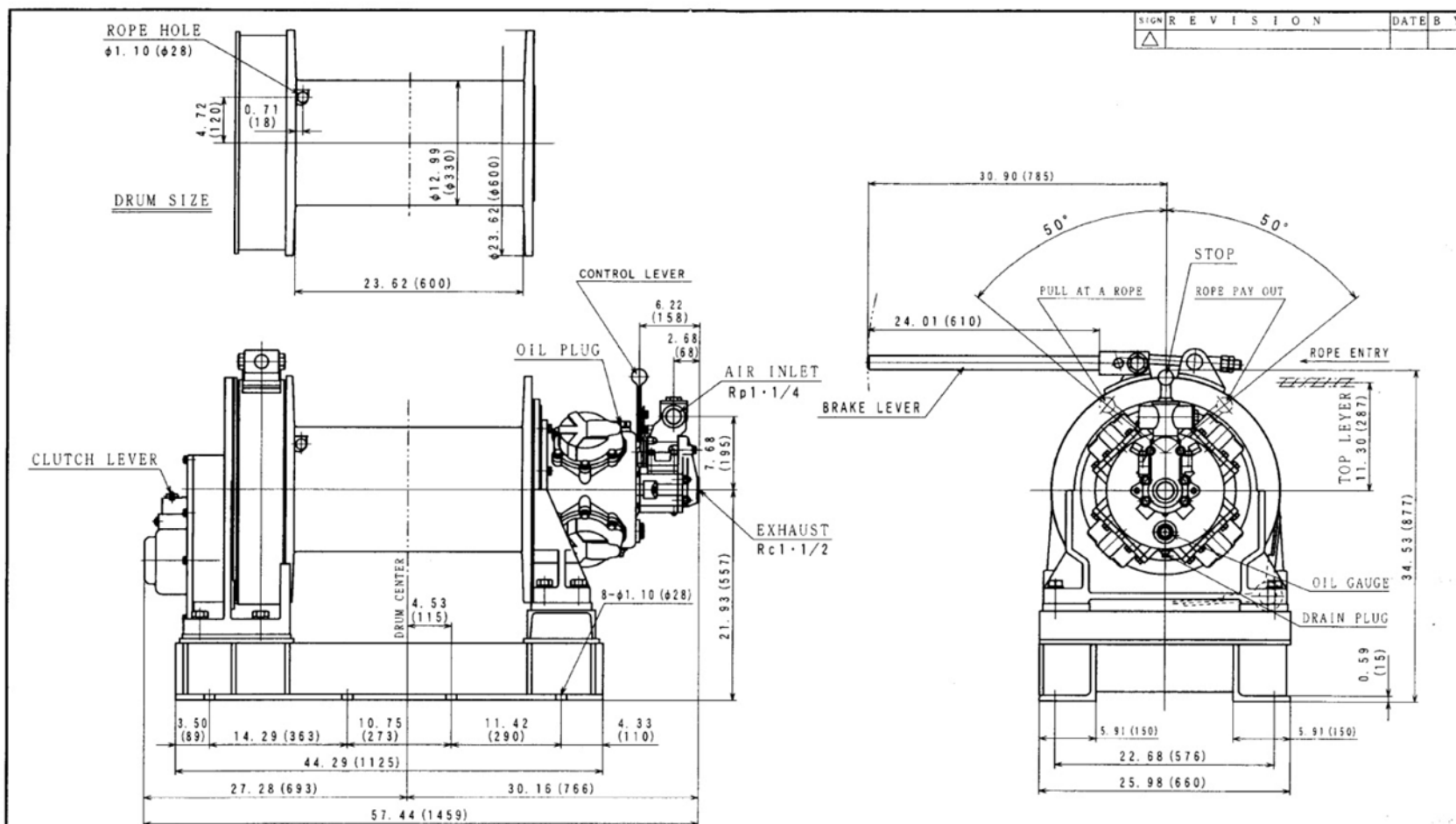




MICHIGAN PNEUMATIC TOOL, INC.

MP-W5036LACMB

11000 lb. Long Drum Winch w/ Manual Brake



SPECIFICATION (at HALF DRUM)

AIR PRESSURE psi (MPa)	MOTOR POWER hp (kW)	ROPE PULL lb (kN)	ROPE SPEED fpm (m/min)	AIR CONSUMPTION cfm (N-m ³ /min)	ROPE CAPACITY ϕ in x ft (m)	WEIGHT lb (kg)
90 (0.62)	16 (12)	11000 (50)	36 (11)	318 (9.0)	7/8 x 750 (230)	ABOUT 1870 (850)

NOTE

DIMENSIONS ARE INCHES. BRACKETS () METRIC mm

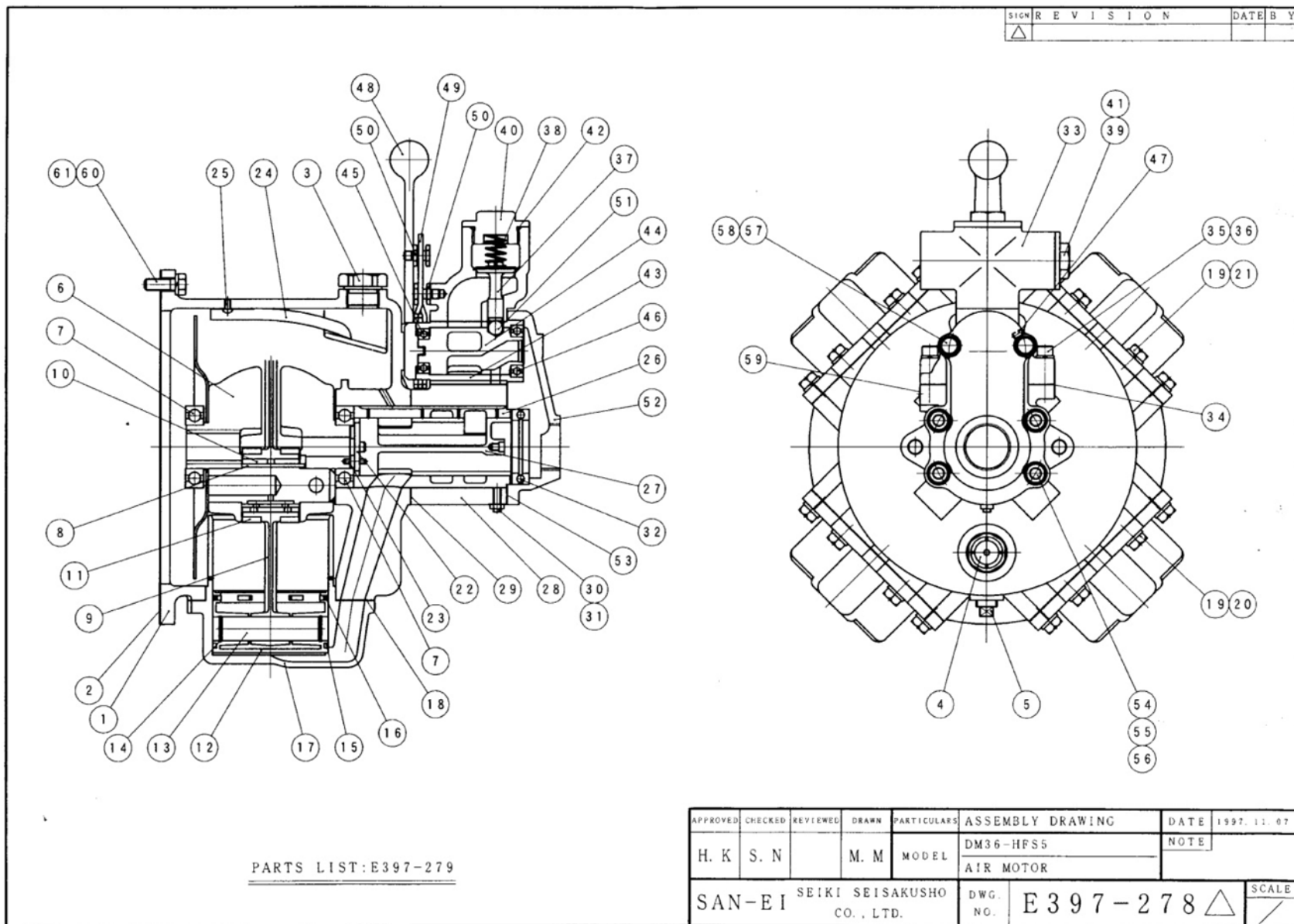
APPROVED	CHECKED	REVIEWED	DRAWN	PARTICULARS	OUTLINE DRAWING	DATE	Jan. 19, 2009
		M. M		MODEL	W-50-36-LAC-MB	NOTE	
					AIR WINCH		
SAN-EI	SEIKI SEISAKUSHO			DWG. NO.	E306-018	SCALE	
	CO., LTD.						



MICHIGAN PNEUMATIC TOOL, INC.

MP-W5036LACMB

11000 lb. Long Drum Winch w/ Manual Brake





MICHIGAN PNEUMATIC TOOL, INC.

MP-W5036LACMB

11000 lb. Long Drum Winch w/ Manual Brake

SIGNATURE REVISION										DATE BY	
REVISION										080407 M.T.	
No.	PART NUMBER	PARTS NAME		Q'TY	REMARKS	No.	PART NUMBER	PARTS NAME		Q'TY	REMARKS
1	E397-2781	Crank Case		1		35	E397-27835	Hex. Socket Cap Screw		4	M10x45
2	E397-2782	Crank Case Packing		1		36	E397-27836	Spring Washer		4	10
3	E397-2783	Oil Plug		1		37	E397-27837	Poppet Valve		1	
4	E397-2784	Oil Gauge		1		38	E397-27838	Poppet Valve Spring		1	
5	E397-2785	Plug		1	1/2B	39	E397-27839	1-1/4 Plug		1	
6	E397-2786	Crank Complete		1	Set	40	E397-27840	1-1/2 Plug		1	
7	E397-2787	Ball Bearing		2	6209	41	E397-27841	O Ring		1	P38
8	E397-2788	Shaft Sleeve		1		42	E397-27842	O Ring		1	P44
9	E397-2789	Connecting Rod		4		43	E397-27843	Control Valve Sleeve		1	
10	E397-27810	Rod Bearing		1		44	E397-27844	Control Valve		1	
11	E397-27811	Rod Ring		2		45	E397-27845	Ball Bearing		1	6005
12	E397-27812	Piston		4		46	E397-27846	Ball Bearing		1	6006
13	E397-27813	Piston Pin		4		47	E397-27847	Hex. Socket Set Screw		1	M6x12
14	E397-27814	Piston Circle Clip		8	△	48	E397-27848	Control Lever		1	
15	E397-27815	Piston Ring		4		49	E397-27849	Lever Spring		1	
16	E397-27816	Oil Ring		4		50	E397-27850	Spring Support		2	
17	E397-27817	Cylinder		4		51	E397-27851	Ball		1	φ15
18	E397-27818	Cylinder Packing		4		52	E397-27852	Valve Cover		1	
19	E397-27819	Hex. Bolt		24	M12x30	53	E397-27853	Valve Cover Packing		1	
20	E397-27820	Cylinder Bolt Washer		12		54	E397-27854	Valve Body Bolt		4	
21	E397-27821	Spring Washer		12	12	55	E397-27855	Hex. Nut		4	M12
22	E397-27822	Valve Coupling		1		56	E397-27856	Spring Washer		4	12
23	E397-27823	Spring Pin		1	φ4x20	57	E397-27857	Hex. Bolt		2	M10x50
24	E397-27824	Oil Guide		1		58	E397-27858	Spring Washer		2	10
25	E397-27825	Cross Recessed Head Screw		2	M6x20	59	E397-27859	Hex. Socket Plug		1	1/4B
26	E397-27826	Valve Sleeve		1		60	E397-27860	Hex. Bolt		8	M12x35
27	E397-27827	Rotary Valve		1		61	E397-27861	Spring Washer		8	12
28	E397-27828	Valve Body		1							
29	E397-27829	Valve Body Packing		1							
30	E397-27830	Hex. Socket Set Screw		1	M8x25						
31	E397-27831	Hex. Nut		1	M8-3						
32	E397-27832	Thrust Bearing		1	2911						
33	E397-27833	Control Valve Body		1							
34	E397-27834	Control Valve Body Packing		1							

ASSEMBLY DRAWING: E397-278

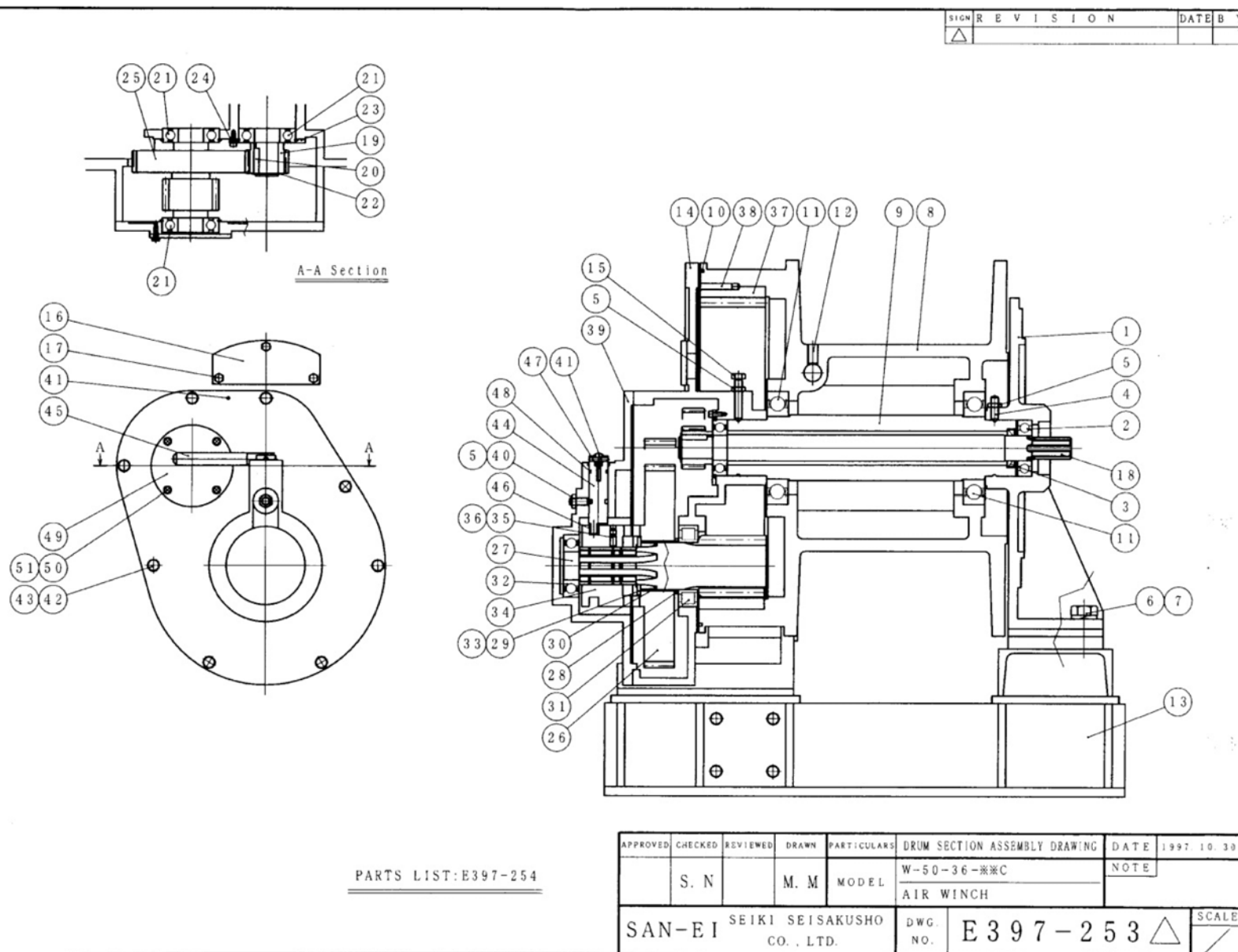
APPROVED	CHECKED	REVIEWED	DRAWN	PARTICULARS	PARTS LIST	DATE	1997.11.07
H. K.	S. N.		M. M.	MODEL	DM36-HFSS	NOTE	
SAN-EI SEIKI SEISAKUSHO CO., LTD.					DWG. NO.	E397-279	SCALE



MICHIGAN PNEUMATIC TOOL, INC.

MP-W5036LACMB

11000 lb. Long Drum Winch w/ Manual Brake





MICHIGAN PNEUMATIC TOOL, INC.

MP-W5036LACMB

11000 lb. Long Drum Winch w/ Manual Brake

SIGNATURE				REVISION				DATE BY			
No.	PART NUMBER	PARTS NAME	QTY	REMARKS	No.	PART NUMBER	PARTS NAME	QTY	REMARKS		
1	E397-2531	Crank Case Cover	1		34	E397-25334	Clutch	1			
2	E397-2532	Ball Bearing	1	6308	35	E397-25335	Plunger	1	PBF-10-KS		
3	E397-2533	Oil Seal	1	SC406211	36	E397-25336	Hex.Socket Set Screw	1	M10x10		
4	E397-2534	Hex.Socket Set Screw	1	M12x40	37	E397-25337	Internal Gear	1			
5	E397-2535	Hex.Nut	3	M12-3	38	E397-25338	Parallel Pin	2	ø10x60		
6	E397-2536	High Grade Hex.Bolt	10	M24x70 (10.9)	39	E397-25339	Gear Case Cover	1			
7	E397-2537	Spring Washer	10	24	40	E397-25340	Plunger	1	SP12-1		
8	E397-2538L	Drum	1		41	E397-25341	Spring Pin	2	ø6x28		
9	E397-2539L	Drum Shaft	1		42	E397-25342	Hex.Bolt	8	M10x35		
10	E397-25310	Packing	1		43	E397-25343	Spring Washer	8	10		
11	E397-25311	Ball Bearing	2	6220ZZ	44	E397-25344	Clutch Eccentric	1			
12	E397-25312	Hex.Socket Set Screw	2	M16x30	45	E397-25345	Clutch Lever	1			
13	E397-25313L	Bed	1		46	E397-25346	Inner Ring	1	IR10x14x16		
14	E397-25314	Gear Case	1		47	E397-25347	Plunger	1	SP-8-2		
15	E397-25315	Drum Shaft Set Bolt	1		48	E397-25348	O Ring	1	P24		
16	E397-25316	Gear Case Plate	1		49	E397-25349	Cover	1			
17	E397-25317L	Hex.Bolt	3	M8x25	50	E397-25350	Hex.Bolt	4	M6x20		
18	E397-25318	Motor Shaft	1		51	E397-25351	Spring Washer	4	6		
19	E397-25319	First Pinion	1								
20	E397-25320	Key	1	10x8x40							
21	E397-25321	Ball Bearing	3	6308ZZNR							
22	E397-25322	Retaining Ring	1	S35							
23	E397-25323	Bearing Support	1								
24	E397-25324	Hex.Socket Cap Screw	3	M6x16							
25	E397-25325	First Gear	1								
26	E397-25326	Second Gear	1								
27	E397-25327	Third Pinion	1								
28	E397-25328	Collar	1								
29	E397-25329	Pinion Collar	1								
30	E397-25330	Gear Bushing	1	70B-7560							
31	E397-25331	Roller Bearing	1	NJ2215E							
32	E397-25332	Ball Bearing	1	6309ZZ							
33	E397-25333	Retaining Ring	1	S60							

ASSEMBLY DRAWING: E397-253

APPROVED	CHECKED	REVIEWED	DRAWN	PARTICULARS	DRUM SECTION PARTS LIST	DATE	1997. 10. 30
	S. N		M. M	MODEL	W-50-36-※C	NOTE	
					AIR WINCH		
SAN-EI SEIKI SEISAKUSHO CO., LTD.					DWG. NO.	E397-254	SCALE



MICHIGAN PNEUMATIC TOOL, INC.

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