

Annexure - I

Selection Chart for 1PQ0 Motors

Ambient 50°C – Insulation utilised to Class F

Notes regarding the Selection Charts

1. The Std. Output in kW is the output as indicated in the catalogue for the Basic Design Motor (Self Cooled) when operated on Electricity Board Supply. This output is possible from this 1PQ0 motor if it is operated directly on a Grid (Sinusoidal) supply, subject to the same supply being given to the terminals of the blower motor.

The kW output indicated for VFD corresponds to operation at 50Hz through a VFD with Class of utilisation as indicated on the respective chart and ambient of 50°C. The torque values indicate the constant torque deliverable by the motors with class of utilisation indicated on the respective chart, over the specified speed range at an ambient of 50°C.

2. The standard design is for 415V, 50Hz. The selection charts are valid for rated voltage in the range 230V - 500V. For rated voltages beyond this range and frequency other than 50 Hz, please enquire with BD giving sufficient application details.
3. While 1PQ0 motors are not required for $M \sim N^2$ loads (centrifugal pump and fan), in case such an operation is carried out in an emergency, prior enquiry should be made with BD for operation beyond 50Hz.
4. For operation beyond 50Hz, for other than $M \sim N^2$ applications please verify sufficient torque availability as per example in TMO 7.369, page 4 of 4 (or refer to torque availability curve for the motor in question as generated from the Offer Maker Program). Also please take note of 6 below.
5. The above table is valid for operation of Motors with SIMOVERT MASTERDRIVES. For operation with MICROMASTER please consult BD.
6. Please do NOT exceed the mechanical speed limits indicated in the tables.
7. Reference Documents:TME 8.475, TMM 8.1830, TMO 7.369.
8. The B3 or V1 indicated in mechanical speed limit indicates that the respective mechanical speed limit applies to either Horizontal or Vertical Construction.

Motor Type	Std. Output (kW) (Grid) at 50°C	Rated Speed (rev/min)	Output in kW at 50 Hz (when fed through VFD)				Torque in kgf.m				Torque in Nm				Mechanical Speed Limit (rev/min)				
			Load Characteristics																
			M ∝ N ²	←----- M = Constant ----->															
				Speed Range				Speed Range				Speed Range							
25 - 50Hz	10 - 50 Hz	5 - 50Hz		1 - 50Hz	25 - 50Hz	10 - 50 Hz	5 - 50Hz	1 - 50Hz	25 - 50Hz	10 - 50 Hz	5 - 50Hz	1 - 50Hz							
				1:2				1:5				1:10				>1:10			
Ambient Temperature : 50°C, Insulation Class F utilised to F limits.																			
2 Pole																			
1PQ0 164-2YC	11	2920	NOT APPLICABLE	<----	11	----	9	<----	3.7	----	3	<----	36	----	29	4800			
1PQ0 165-2YC	15	2920		<----	14.3	----	12	<----	4.8	----	4	<----	47	----	39				
1PQ0 166-2YC	18.5	2910		<----	17.6	----	15	<----	5.9	----	5	<----	58	----	49				
1PQ0 183-2YA	22	2940		<----	20.9	----	18	<----	6.9	----	6	<----	68	----	59	5700			
1PQ0 207-2YB	30	2950		<----	30	----	27	<----	9.9	----	8.9	<----	97	----	87	4800			
1PQ0 208-2YB	37	2950		<----	35.2	----	31	<----	11.6	----	10.2	<----	114	----	100				
1PQ0 223-2YB	45	2955		<----	45	----	40	<----	14.8	----	13.2	<----	145	----	129	4500			
1PQ0 254-2YB	55	2970		<----	55	----	49	<----	18	----	16.1	<----	176	----	158	3900			
1PQ0 281-2YB	75	2975		<----	75	----	67	<----	24.6	----	21.9	<----	241	----	215	3600			
1PQ0 284-2YB	90	2975		<----	90	----	81	<----	29.5	----	26.5	<----	289	----	260				
1PQ0 311-2YC	110	2980		<----	110	----	99	<----	36	----	32.4	<----	353	----	318	3600			
1PQ0 314-2YC	132	2980		<----	132	----	118	<----	43.1	----	38.6	<----	422	----	378				
1PQ0 318-2YC	160	2980		<----	160	----	144	<----	52.3	----	47.1	<----	513	----	462	3600 - B3			
1PQ0 319-2YC	200	2985		<----	180	----	162	<----	58.7	----	52.9	<----	575	----	518	3000 - V1			
1PQ0 356-2YC	250	2985		<----	250	----	225	<----	81.6	----	73.4	<----	800	----	719	3600 - B3			
1PQ0 357-2YC	315	2985		<----	299	----	269	<----	97.6	----	87.8	<----	956	----	860	3000 - V1			
4 Pole																			
1PQ0 163-4YA	11	1450	NOT APPLICABLE	<----	11	----	9	<----	7.4	----	6	<----	73	----	59	3600			
1PQ0 166-4YA	15	1450		<----	15	----	13	<----	10.1	----	8.7	<----	99	----	85				
1PQ0 183-4YA	18.5	1463		<----	18.5	----	16	<----	12.3	----	10.7	<----	121	----	105	4200			
1PQ0 186-4YA	22	1460		<----	22	----	19	<----	14.7	----	12.7	<----	144	----	124				
1PQ0 207-4YA	30	1470		<----	30	----	27	<----	19.9	----	17.9	<----	195	----	175	4800			
1PQ0 221-4YA	37	1475		<----	37	----	33	<----	24.4	----	21.8	<----	239	----	214	4500			
1PQ0 223-4YA	45	1475		<----	45	----	40	<----	29.7	----	26.4	<----	291	----	259				
1PQ0 254-4YA	55	1480		<----	55	----	49	<----	36.2	----	32.2	<----	355	----	316	3700			
1PQ0 281-4YA	75	1485		<----	75	----	67	<----	49.2	----	43.9	<----	482	----	430	3000			
1PQ0 284-4YA	90	1485		<----	90	----	81	<----	59	----	53.1	<----	578	----	520				
1PQ0 311-4YA	110	1488		<----	110	----	99	<----	72	----	64.8	<----	706	----	635	2600			
1PQ0 314-4YA	132	1488		<----	132	----	118	<----	86.4	----	77.2	<----	847	----	757				
1PQ0 318-4YA	160	1488		<----	160	----	144	<----	104.7	----	94.3	<----	1026	----	924				
1PQ0 319-4YA	200	1485		<----	180	----	162	<----	118.1	----	106.3	<----	1157	----	1042				
1PQ0 356-4YB	250	1488		<----	250	----	225	<----	163.6	----	147.3	<----	1603	----	1444	2200			
1PQ0 357-4YB	315	1488		<----	315	----	283	<----	206.2	----	185.2	<----	2021	----	1815				

Motor Type	Std. Output (kW) (Grid) at 50°C	Rated Speed (rev/min)	Output in kW at 50 Hz (when fed through VFD)				Torque in kgf.m				Torque in Nm				Mechanical Speed Limit (rev/min)	
			Load Characteristics													
			M \propto N ²	M = Constant												
				Speed Range				Speed Range				Speed Range				
25 - 50Hz	10 - 50 Hz	5 - 50Hz		1 - 50Hz	25 - 50Hz	10 - 50 Hz	5 - 50Hz	1 - 50Hz	25 - 50Hz	10 - 50 Hz	5 - 50Hz	1 - 50Hz				
1:2				1:5				1:10				>1:10				
Ambient Temperature : 50°C, Insulation Class F utilised to F limits.																
6 Pole																
1PQ0 163-6YB	7.5	955	NOT APPLICABLE	<----	7.5	----	6	<----	7.6	----	6.1	<----	74	----	60	3000
1PQ0 166-6YB	11	955		<----	11	----	9	<----	11.2	----	9.2	<----	110	----	90	4200
1PQ0 186-6YA	15	970		<----	15	----	13	<----	15.1	----	13.1	<----	148	----	128	4800
1PQ0 206-6YA	18.5	975		<----	18.5	----	16	<----	18.5	----	16	<----	181	----	157	4400
1PQ0 207-6YA	22	975		<----	22	----	19	<----	22	----	19	<----	216	----	186	3700
1PQ0 223-6YA	30	978		<----	28.5	----	25	<----	28.4	----	24.9	<----	278	----	244	3000
1PQ0 254-6YA	37	980		<----	37	----	33	<----	36.8	----	32.8	<----	361	----	321	2600
1PQ0 281-6YA	45	984		<----	45	----	40	<----	44.5	----	39.6	<----	436	----	388	2200
1PQ0 284-6YA	55	984		<----	55	----	49	<----	54.4	----	48.5	<----	533	----	475	
1PQ0 311-6YA	75	985		<----	75	----	67	<----	74.2	----	66.3	<----	727	----	650	
1PQ0 314-6YA	90	985		<----	90	----	81	<----	89	----	80.1	<----	872	----	785	
1PQ0 318-6YA	110	985		<----	110	----	99	<----	108.8	----	97.9	<----	1066	----	959	
1PQ0 319-6YB	132	985		<----	132	----	118	<----	130.5	----	116.7	<----	1279	----	1144	
1PQ0 356-6YB	160	988		<----	160	----	144	<----	157.7	----	142	<----	1545	----	1392	
1PQ0 357-6YB	200	988		<----	200	----	180	<----	197.2	----	177.4	<----	1933	----	1739	
1PQ0 358-6YB	250	988		<----	250	----	225	<----	246.5	----	221.8	<----	2416	----	2174	
8 Pole																
1PQ0 164-8YB	5.5	710	NOT APPLICABLE	<----	5	----	4	<----	6.9	----	5.5	<----	68	----	54	2400
1PQ0 166-8YB	7.5	710		<----	7.5	----	6	<----	10.3	----	8.2	<----	101	----	80	4200
1PQ0 186-8YB	11	725		<----	11	----	9	<----	14.8	----	12.1	<----	145	----	119	4800
1PQ0 207-8YB	15	725		<----	15	----	13	<----	20.2	----	17.5	<----	198	----	172	4400
1PQ0 220-8YB	18.5	728		<----	18.5	----	16	<----	24.8	----	21.4	<----	243	----	210	3700
1PQ0 223-8YB	22	728		<----	22	----	19	<----	29.4	----	25.4	<----	288	----	249	3000
1PQ0 254-8YB	30	730		<----	30	----	27	<----	40	----	36	<----	392	----	353	2600
1PQ0 281-8YB	37	732		<----	37	----	33	<----	49.2	----	43.9	<----	482	----	430	2200
1PQ0 284-8YB	45	732		<----	45	----	40	<----	59.9	----	53.2	<----	587	----	521	
1PQ0 311-8YB	55	737		<----	55	----	49	<----	72.7	----	64.8	<----	712	----	635	
1PQ0 314-8YB	75	737		<----	75	----	67	<----	99.1	----	88.5	<----	971	----	867	
1PQ0 318-8YB	90	737		<----	90	----	81	<----	118.9	----	107	<----	1165	----	1049	
1PQ0 319-8YB	110	737		<----	110	----	99	<----	145.4	----	130.8	<----	1425	----	1282	
1PQ0 356-8YB	132	738		<----	132	----	118	<----	174.2	----	155.7	<----	1707	----	1526	
1PQ0 357-8YB	160	738		<----	160	----	144	<----	211.2	----	190	<----	2070	----	1862	
1PQ0 358-8YB	200	740		<----	200	----	180	<----	263.2	----	236.9	<----	2579	----	2322	

Annexure - II

Selection Chart for 1PQ0 Motors

Ambient 50°C – Insulation utilised to Class B

Notes regarding the Selection Charts

1. The Std. Output in kW is the output as indicated in the catalogue for the Basic Design Motor (Self Cooled) when operated on Electricity Board Supply. This output is possible from this 1PQ0 motor if it is operated directly on a Grid (Sinusoidal) supply, subject to the same supply being given to the terminals of the blower motor.

The kW output indicated for VFD corresponds to operation at 50Hz through a VFD with Class of utilisation as indicated on the respective chart and ambient of 50°C. The torque values indicate the constant torque deliverable by the motors with class of utilisation indicated on the respective chart, over the specified speed range at an ambient of 50°C.

2. The standard design is for 415V, 50Hz. The selection charts are valid for rated voltage in the range 230V - 500V. For rated voltages beyond this range and frequency other than 50 Hz, please enquire with BD giving sufficient application details.
3. While 1PQ0 motors are not required for $M \sim N^2$ loads (centrifugal pump and fan), in case such an operation is carried out in an emergency, prior enquiry should be made with BD for operation beyond 50Hz.
4. For operation beyond 50Hz, for other than $M \sim N^2$ applications please verify sufficient torque availability as per example in TMO 7.369, page 4 of 4 (or refer to torque availability curve for the motor in question as generated from the Offer Maker Program). Also please take note of 6 below.
5. The above table is valid for operation of Motors with SIMOVERT MASTERDRIVES. For operation with MICROMASTER please consult BD.
6. Please do NOT exceed the mechanical speed limits indicated in the tables.
7. Reference Documents:TME 8.475, TMM 8.1830, TMO 7.369.
8. The B3 or V1 indicated in mechanical speed limit indicates that the respective mechanical speed limit applies to either Horizontal or Vertical Construction.

Motor Type	Std. Output (kW) (Grid) at 50°C	Rated Speed (rev/min)	Output in kW at 50 Hz (when fed through VFD)				Torque in kgf.m				Torque in Nm				Mechanical Speed Limit (rev/min)				
			Load Characteristics																
			M \propto N ²	M = Constant															
				Speed Range				Speed Range				Speed Range							
25 - 50Hz	10 - 50 Hz	5 - 50Hz		1 - 50Hz	25 - 50Hz	10 - 50 Hz	5 - 50Hz	1 - 50Hz	25 - 50Hz	10 - 50 Hz	5 - 50Hz	1 - 50Hz							
				1:2				1:5				1:10				>1:10			
Ambient Temperature : 50°C, Insulation Class F utilised to B limits.																			
2 Pole																			
1PQ0 164-2YC	11	2920	NOT APPLICABLE	<----	9.9	----	8	<----	3.3	----	2.7	<----	32	----	26	4800			
1PQ0 165-2YC	15	2920		<----	12.8	----	11	<----	4.3	----	3.7	<----	42	----	36				
1PQ0 166-2YC	18.5	2910		<----	15.8	----	14	<----	5.3	----	4.7	<----	52	----	46				
1PQ0 183-2YA	22	2940		<----	18.8	----	16	<----	6.2	----	5.3	<----	61	----	52	5700			
1PQ0 207-2YB	30	2950		<----	27	----	24	<----	8.9	----	7.9	<----	87	----	77	4800			
1PQ0 208-2YB	37	2950		<----	31.6	----	28	<----	10.4	----	9.2	<----	102	----	90				
1PQ0 223-2YB	45	2955		<----	40.5	----	36	<----	13.3	----	11.9	<----	130	----	117	4500			
1PQ0 254-2YB	55	2970		<----	50	----	45	<----	16.4	----	14.8	<----	161	----	145	3900			
1PQ0 281-2YB	75	2975		<----	68	----	61	<----	22.3	----	20	<----	219	----	196	3600			
1PQ0 284-2YB	90	2975		<----	81	----	72	<----	26.5	----	23.6	<----	260	----	231				
1PQ0 311-2YC	110	2980		<----	99	----	89	<----	32.4	----	29.1	<----	318	----	285	3600			
1PQ0 314-2YC	132	2980		<----	119	----	107	<----	38.9	----	35	<----	381	----	343				
1PQ0 318-2YC	160	2980		<----	144	----	129	<----	47.1	----	42.2	<----	462	----	414	3600 - B3			
1PQ0 319-2YC	200	2985		<----	162	----	145	<----	52.9	----	47.3	<----	518	----	464	3000 - V1			
1PQ0 356-2YC	250	2985		<----	225	----	202	<----	73.4	----	65.9	<----	719	----	646	3600 - B3			
1PQ0 357-2YC	315	2985		<----	269	----	242	<----	87.8	----	79	<----	860	----	774	3000 - V1			
4 Pole																			
1PQ0 163-4YA	11	1450	NOT APPLICABLE	<----	9.9	----	8	<----	6.7	----	5.4	<----	66	----	53	3600			
1PQ0 166-4YA	15	1450		<----	13.5	----	12	<----	9.1	----	8.1	<----	89	----	79				
1PQ0 183-4YA	18.5	1463		<----	16.7	----	15	<----	11.1	----	10	<----	109	----	98	4200			
1PQ0 186-4YA	22	1460		<----	19.8	----	17	<----	13.2	----	11.3	<----	129	----	111				
1PQ0 207-4YA	30	1470		<----	27	----	24	<----	17.9	----	15.9	<----	175	----	156	4800			
1PQ0 221-4YA	37	1475		<----	33.3	----	29	<----	22	----	19.1	<----	216	----	187	4500			
1PQ0 223-4YA	45	1475		<----	40.5	----	36	<----	26.7	----	23.8	<----	262	----	233				
1PQ0 254-4YA	55	1480		<----	50	----	45	<----	32.9	----	29.6	<----	322	----	290	3700			
1PQ0 281-4YA	75	1485		<----	68	----	61	<----	44.6	----	40	<----	437	----	392	3000			
1PQ0 284-4YA	90	1485		<----	81	----	72	<----	53.1	----	47.2	<----	520	----	463				
1PQ0 311-4YA	110	1488		<----	99	----	89	<----	64.8	----	58.3	<----	635	----	571	2600			
1PQ0 314-4YA	132	1488		<----	119	----	107	<----	77.9	----	70	<----	763	----	686				
1PQ0 318-4YA	160	1488		<----	144	----	129	<----	94.3	----	84.4	<----	924	----	827				
1PQ0 319-4YA	200	1485		<----	162	----	145	<----	106.3	----	95.1	<----	1042	----	932				
1PQ0 356-4YB	250	1488		<----	225	----	202	<----	147.3	----	132.2	<----	1444	----	1296	2200			
1PQ0 357-4YB	315	1488		<----	284	----	255	<----	185.9	----	166.9	<----	1822	----	1636				

Motor Type	Std. Output (kW) (Grid) at 50°C	Rated Speed (rev/min)	Output in kW at 50 Hz (when fed through VFD)				Torque in kgf.m				Torque in Nm				Mechanical Speed Limit (rev/min)				
			Load Characteristics																
			M \propto N ²	M = Constant															
				Speed Range				Speed Range				Speed Range							
25 - 50Hz	10 - 50 Hz	5 - 50Hz		1 - 50Hz	25 - 50Hz	10 - 50 Hz	5 - 50Hz	1 - 50Hz	25 - 50Hz	10 - 50 Hz	5 - 50Hz	1 - 50Hz							
				1:2	1:5	1:10	>1:10	1:2	1:5	1:10	>1:10	1:2	1:5	1:10	>1:10				
Ambient Temperature : 50°C, Insulation Class F utilised to B limits.																			
6 Pole																			
1PQ0 163-6YB	7.5	955	NOT APPLICABLE	<----	6.8	----	6	<----	6.9	----	6.1	<----	68	----	60	3000			
1PQ0 166-6YB	11	955		<----	9.9	----	8	<----	10.1	----	8.2	<----	99	----	80				
1PQ0 186-6YA	15	970		<----	13.5	----	12	<----	13.6	----	12	<----	133	----	118		4200		
1PQ0 206-6YA	18.5	975		<----	16.7	----	15	<----	16.7	----	15	<----	164	----	147				
1PQ0 207-6YA	22	975		<----	19.8	----	17	<----	19.8	----	17	<----	194	----	167		4800		
1PQ0 223-6YA	30	978		<----	25.7	----	23	<----	25.6	----	22.9	<----	251	----	224				
1PQ0 254-6YA	37	980		<----	33.3	----	29	<----	33.1	----	28.8	<----	324	----	282	3700			
1PQ0 281-6YA	45	984		<----	40.5	----	36	<----	40.1	----	35.6	<----	393	----	349				
1PQ0 284-6YA	55	984		<----	50	----	45	<----	49.5	----	44.5	<----	485	----	436	3000			
1PQ0 311-6YA	75	985		<----	68	----	61	<----	67.2	----	60.3	<----	659	----	591				
1PQ0 314-6YA	90	985		<----	81	----	72	<----	80.1	----	71.2	<----	785	----	698	2600			
1PQ0 318-6YA	110	985		<----	99	----	89	<----	97.9	----	88	<----	959	----	862				
1PQ0 319-6YB	132	985		<----	119	----	107	<----	117.7	----	105.8	<----	1153	----	1037	2200			
1PQ0 356-6YB	160	988		<----	144	----	129	<----	142	----	127.2	<----	1392	----	1247				
1PQ0 357-6YB	200	988		<----	180	----	162	<----	177.4	----	159.7	<----	1739	----	1565				
1PQ0 358-6YB	250	988		<----	225	----	202	<----	221.8	----	199.1	<----	2174	----	1951				
8 Pole																			
1PQ0 164-8YB	5.5	710	NOT APPLICABLE	<----	4.5	----	4	<----	6.2	----	5.5	<----	61	----	54	2400			
1PQ0 166-8YB	7.5	710		<----	6.8	----	6	<----	9.3	----	8.2	<----	91	----	80				
1PQ0 186-8YB	11	725		<----	9.9	----	8	<----	13.3	----	10.7	<----	130	----	105	4200			
1PQ0 207-8YB	15	725		<----	13.5	----	12	<----	18.1	----	16.1	<----	177	----	158				
1PQ0 220-8YB	18.5	728		<----	16.7	----	15	<----	22.3	----	20.1	<----	219	----	197	4400			
1PQ0 223-8YB	22	728		<----	19.8	----	17	<----	26.5	----	22.7	<----	260	----	222				
1PQ0 254-8YB	30	730		<----	27	----	24	<----	36	----	32	<----	353	----	314	3700			
1PQ0 281-8YB	37	732		<----	33.3	----	29	<----	44.3	----	38.6	<----	434	----	378				
1PQ0 284-8YB	45	732		<----	40.5	----	36	<----	53.9	----	47.9	<----	528	----	469	3000			
1PQ0 311-8YB	55	737		<----	50	----	45	<----	66.1	----	59.5	<----	648	----	583				
1PQ0 314-8YB	75	737		<----	68	----	61	<----	89.9	----	80.6	<----	881	----	790	2600			
1PQ0 318-8YB	90	737		<----	81	----	72	<----	107	----	95.2	<----	1049	----	933				
1PQ0 319-8YB	110	737		<----	99	----	89	<----	130.8	----	117.6	<----	1282	----	1152	2200			
1PQ0 356-8YB	132	738		<----	119	----	107	<----	157.1	----	141.2	<----	1540	----	1384				
1PQ0 357-8YB	160	738		<----	144	----	129	<----	190	----	170.3	<----	1862	----	1669				
1PQ0 358-8YB	200	740		<----	180	----	162	<----	236.9	----	213.2	<----	2322	----	2089				

(Click on the DD No. to open the drawing)

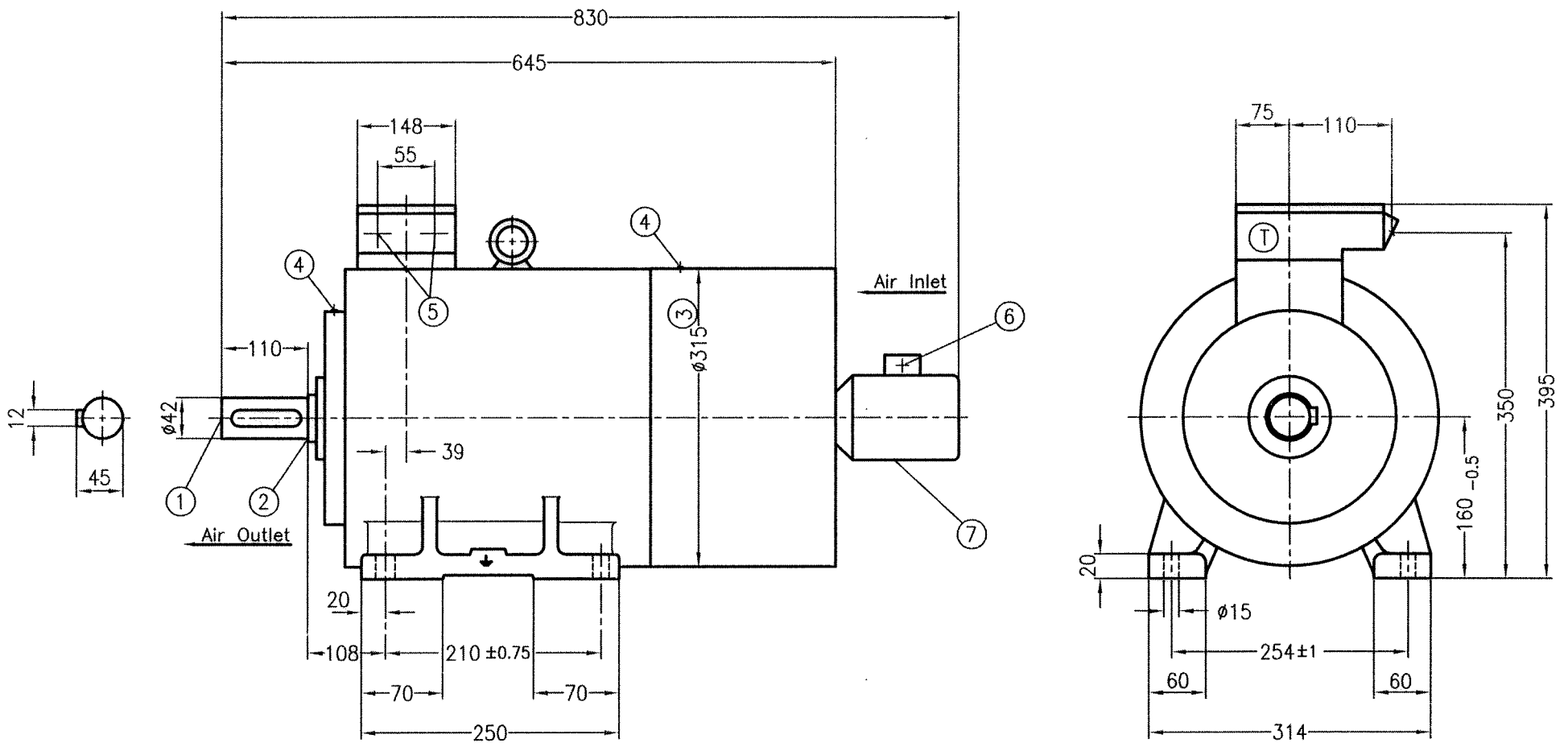
Frame Size	Poles	Dimensional Drawing No.				
		IMB3 - TOP TB	IMB3 - SIDE TB	IMB5/V1	IMB35 - TOP TB	IMB35 -SIDE TB
160M	2 - 8	4D-2716-65-0247074-001	4D-2716-66-0247438-001	4D-2716-69-0247173-001	4D-2716-67-0247251-001	4D-2716-68-0247451-001
160L	2 - 8	4D-2716-75-0247075-001	4D-2716-76-0247439-001	4D-2716-79-0247174-001	4D-2716-77-0247252-001	4D-2716-78-0247452-001
180M	2 - 4	4D-2718-65-0247076-001	4D-2718-66-0247440-001	4D-2718-69-0247175-001	4D-2718-67-0247253-001	4D-2718-68-0247453-001
180L	4 - 8					
200L	2 - 8	4D-2720-65-0247077-001	4D-2720-66-0247441-001	4D-2720-69-0247176-001	4D-2720-67-0247254-001	4D-2720-68-0247454-001
225S	4 & 8	4D-2722-95-0247032-001	4D-2722-96-0247443-001	4D-2722-99-0247178-001	4D-2722-97-0247256-001	4D-2722-98-0247456-001
225M	2	4D-2722-85-0247033-001	4D-2722-86-0247442-001	4D-2722-89-0247177-001	4D-2722-87-0247255-001	4D-2722-88-0247455-001
	4 - 8	4D-2722-95-0247032-001	4D-2722-96-0247443-001	4D-2722-99-0247178-001	4D-2722-97-0247256-001	4D-2722-98-0247456-001
250M	2	4D-2725-85-0247078-001	4D-2725-86-0247444-001	4D-2725-89-0247179-001	4D-2725-87-0247257-001	4D-2725-88-0247457-001
	4 - 8	4D-2725-95-0247079-001	4D-2725-96-0247445-001	4D-2725-99-0247180-001	4D-2725-97-0247258-001	4D-2725-98-0247458-001
280S	2	4D-2728-8530-0247080-001	4D-2728-8630-0247446-001	4D-2728-8930-0247181-001	4D-2728-8730-0247259-001	4D-2728-8830-0247459-001
280M						
280S	4 - 8	4D-2728-9530-0247081-001	4D-2728-9630-0247434-001	4D-2728-9930-0247182-001	4D-2728-9730-0247260-001	4D-2728-9830-0247460-001
280M						
315S	2	4D-2731-8530-0247082-001	4D-2731-8630-0247449-001	4D-2731-8930-0247183-001	4D-2731-8730-0247263-001	4D-2731-8830-0247463-001
315M						
315S	4 - 8	4D-2731-9530-0247083-001	4D-2731-9630-0247450-001	4D-2731-9930-0247184-001	4D-2731-9730-0247264-001	4D-2731-9830-0247464-001
315M						
315L	2	4D-2731-6530-0247084-001	4D-2731-6630-0247447-001	4D-2731-6930-0247185-001	4D-2731-6730-0247261-001	4D-2731-6830-0247461-001
	4 - 8	4D-2731-7530-0247085-001	4D-2731-7630-0247448-001	4D-2731-7930-0247186-001	4D-2731-7730-0247262-001	4D-2731-7830-0247462-001

Annexure - III

Dimensional Diagrams for 1PQ0 Motors

Frames 160M – 315L – IMB3 - T.Box on TOP

18 DEC 2008



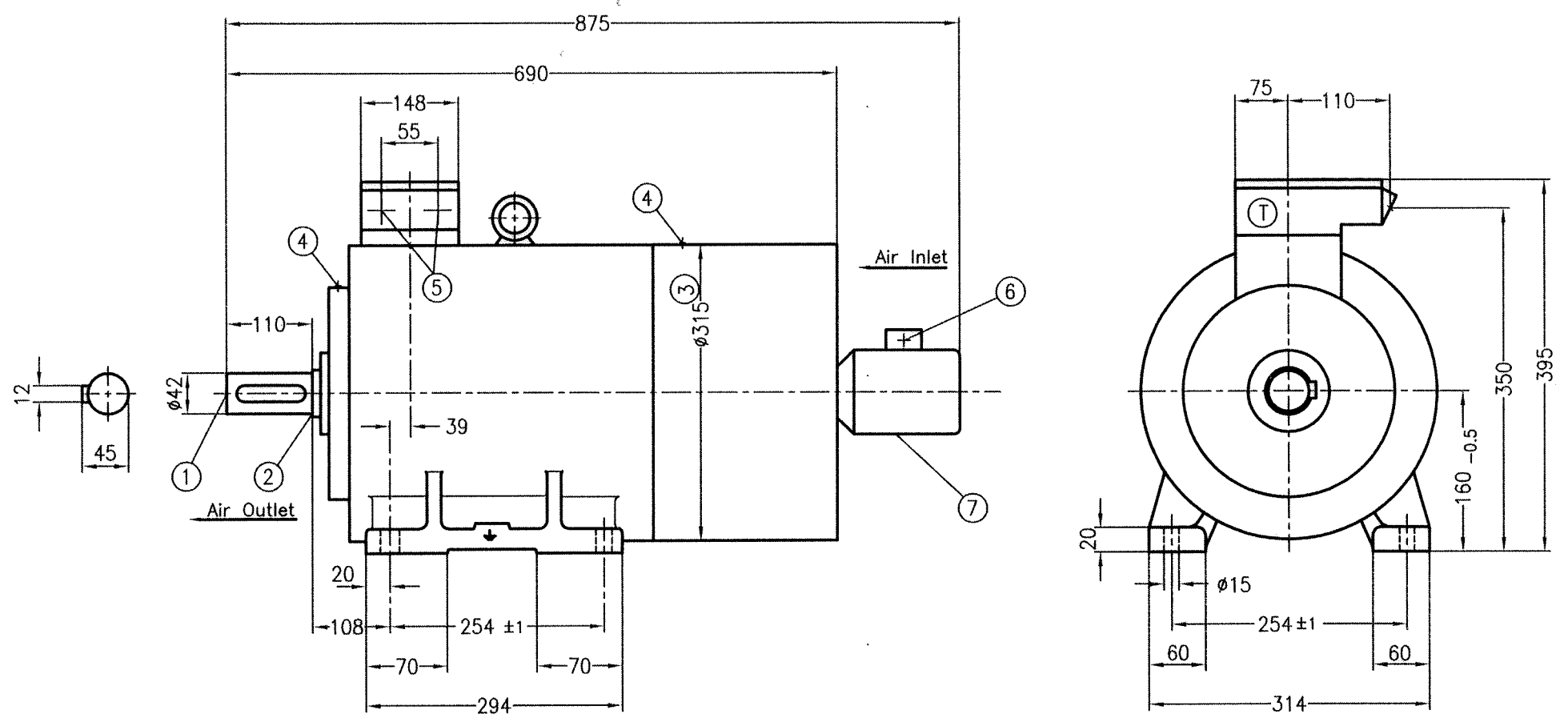
- ① Shaft extension $\phi 42_{k6}$ x 110 with protected centre hole M16x36
- ② Relief groove E1x0.2 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility.
- ⑤ 2 Nos. B.S.Conduit Entry 31.8 (1 1/4") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB1 223
 suitable for max. cable conductor cross-section(mm²): 25

160 M			IM-B3	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram Type: 1PQO 163/164/165-2.8 DRG No. 4D-2716-65-0247074-001 REF DRG NO. (4D-2716-60-0240394-001)	
Checked	19.11.08	RSA-BSA		
Std.CHD.	19.11.08	DK		
Dim. without tolerance as per Medium IS:2102			SIEMENS WMOT	
			Scale NTS	

Amendment

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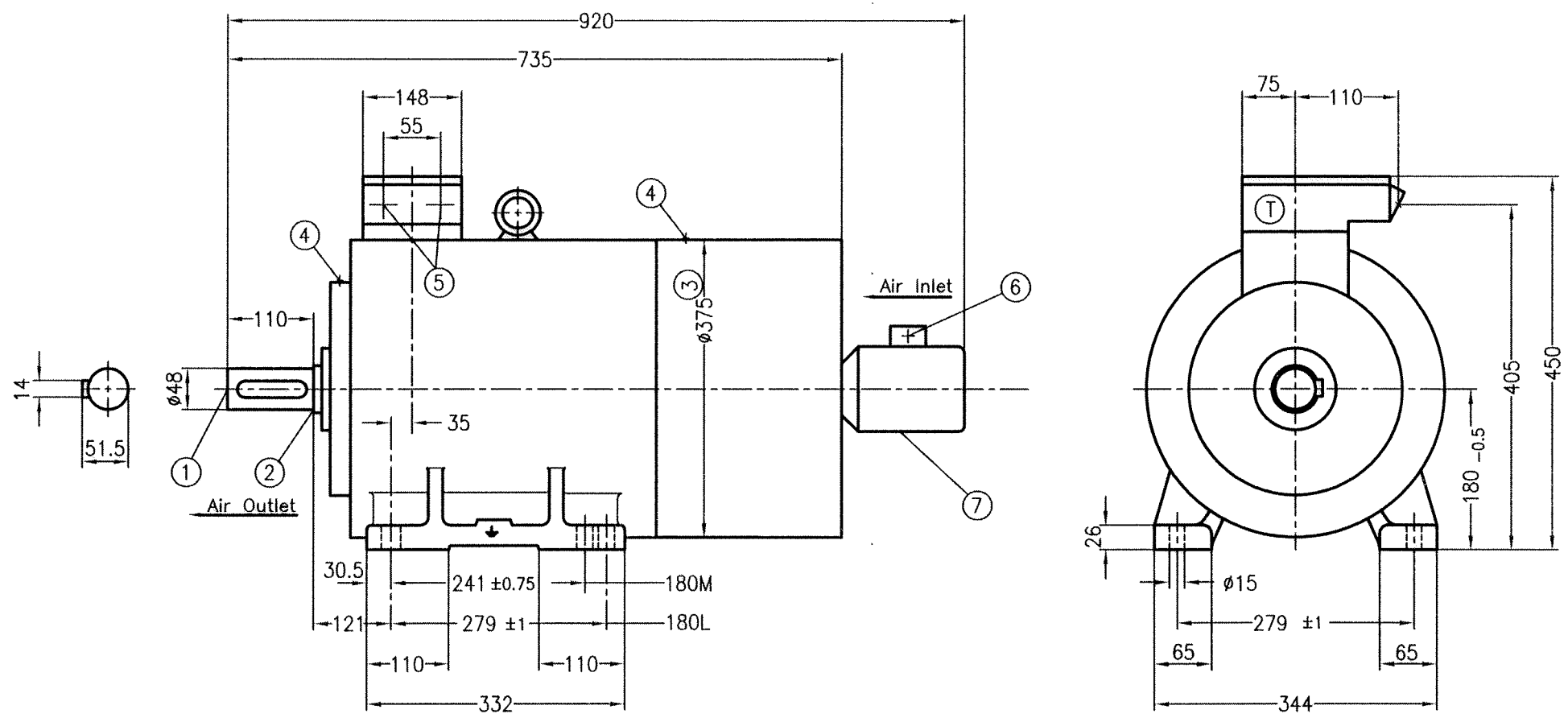
- ① Shaft extension $\phi 42$ k6 x 110 with protected centre hole M16x36
- ② Relief groove E1x0.2 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility.
- ⑤ 2 Nos. B.S.Conduit Entry 31.8 (1 1/4") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB1 223
 suitable for max. cable conductor cross-section(mm²): 25

160 L				IM-B3		
Frame Designation				Applicable for Construction		
Drawn	Date	Name	Dimank Engineer	Dimensional Diagram		
Checked	19.11.08	RSA		Type: 1PQ0 166-2..8	Scale	NTS
Std.CHD.				DRG No.	4D-2716-75-0247075-001	
Dim. without tolerance as per Medium IS:2102			SIEMENS	REF DRG NO. (4D-2716-70-0240395-001)		
			WMOT			

Amendment

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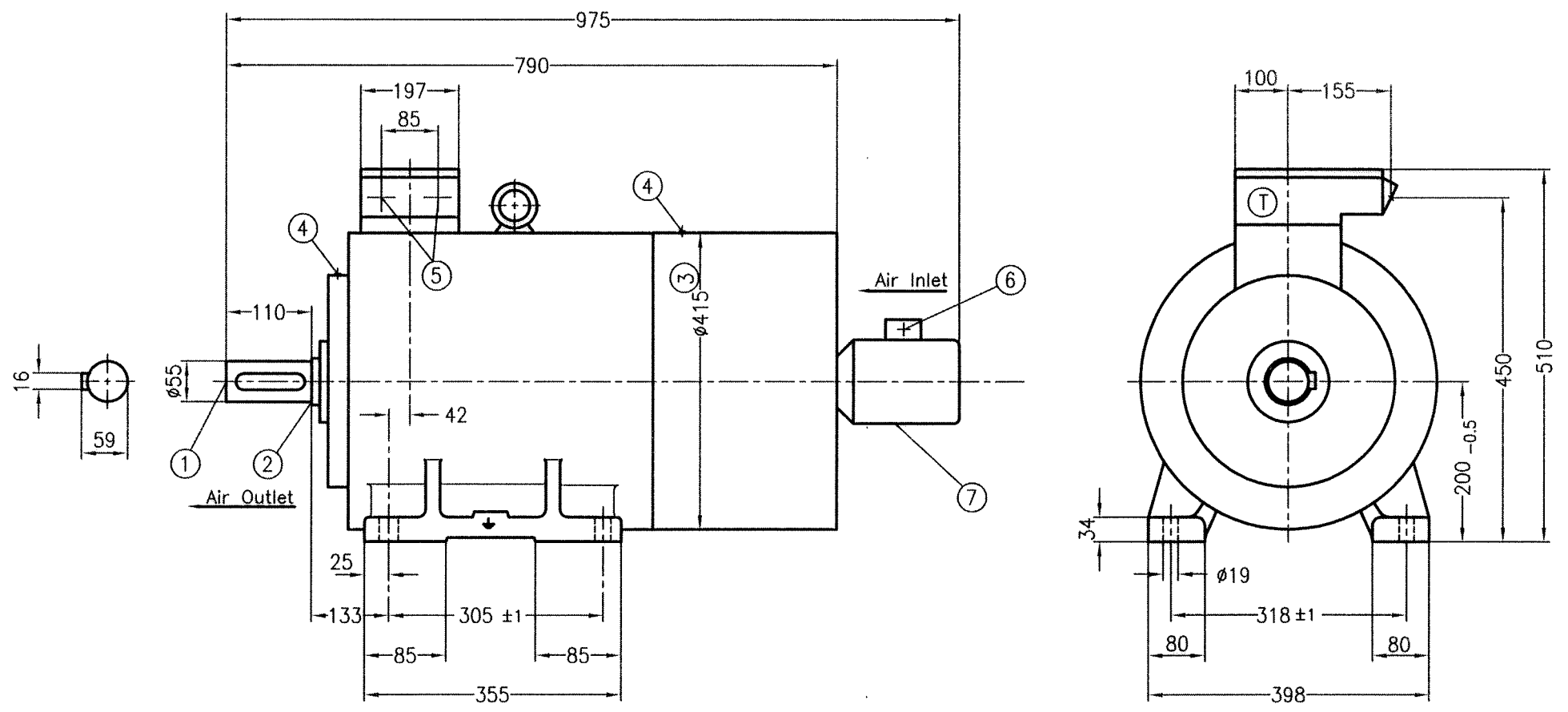
- ① Shaft extension $\varnothing 48_{k6}$ x 110 with protected centre hole M16x36
- ② Relief groove E1x0.2 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility.
- ⑤ 2 Nos. B.S.Conduit Entry 31.8 (1 1/4") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB1 223
 suitable for max. cable conductor cross-section(mm²): 25

180 M/L				IM-B3		
Frame Designation				Applicable for Construction		
Drawn	Date	Name	SIEMENS	Dimensional Diagram		
Checked	19.11.08	RSA		Type: 1PQ0-18	Scale NTS	
Std.CHD.	19.11.08	EDC		DRG No. 4D-2718-65-0247076-001	REF DRG NO. (4D-2718-60-0240396-001)	
Dim. without tolerance as per Medium IS:2102			WMOT			

Amendment

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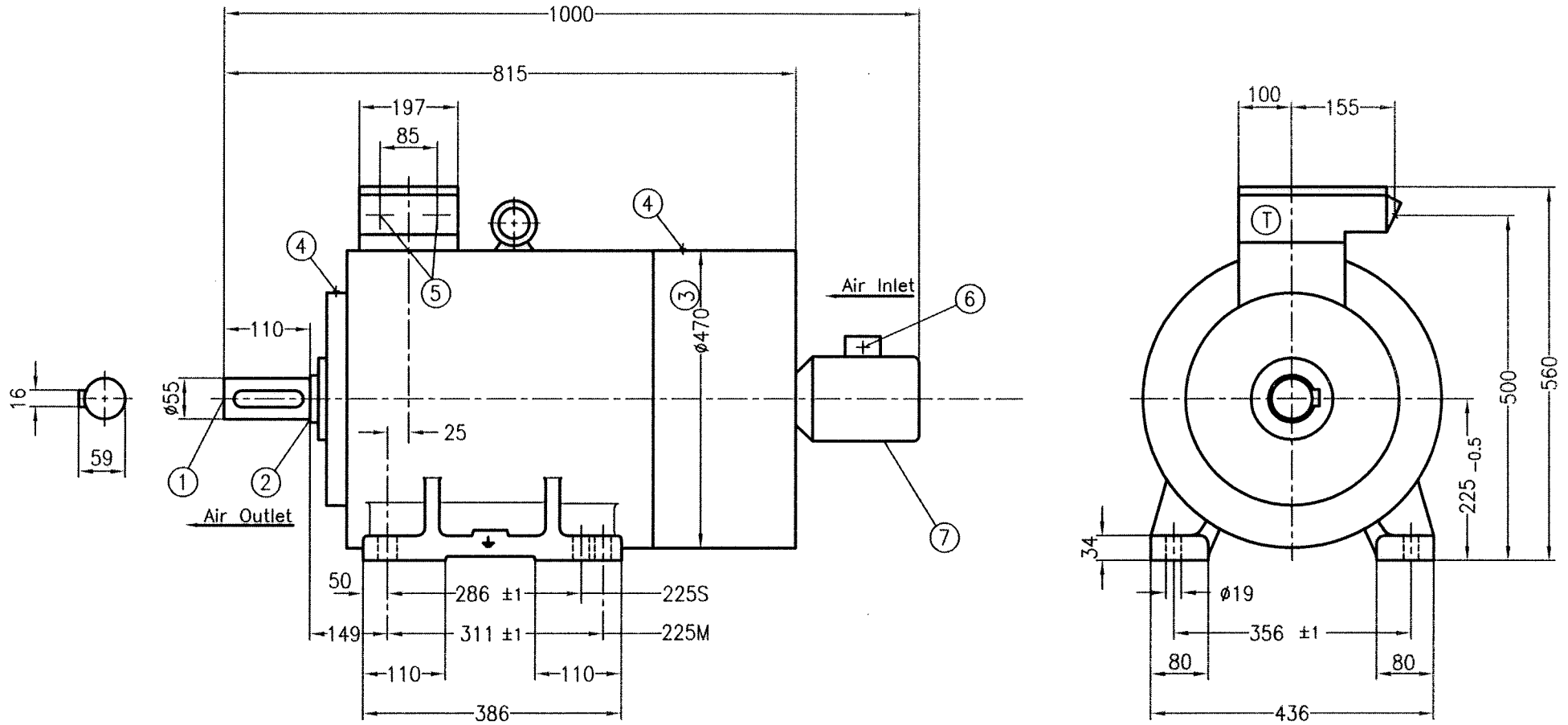
Ⓣ Terminal Box Type : 1XB7 322
 suitable for max. cable conductor cross-section(mm²): 35

- ① Shaft extension $\varnothing 55_{m6} \times 110$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility.
- ⑤ 2 Nos. B.S.Conduit Entry 51(2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

200 L			IM-B3	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	19.11.08	RSA		
Std.CHD.			Type: 1PQ0-20	Scale NTS
Dim. without tolerance as per Medium IS:2102			SIEMENS	
			DRG No. 4D-2720-65-0247077-001	
			REF DRG NO. (4D-2720-60-0240397-001)	

Amendment

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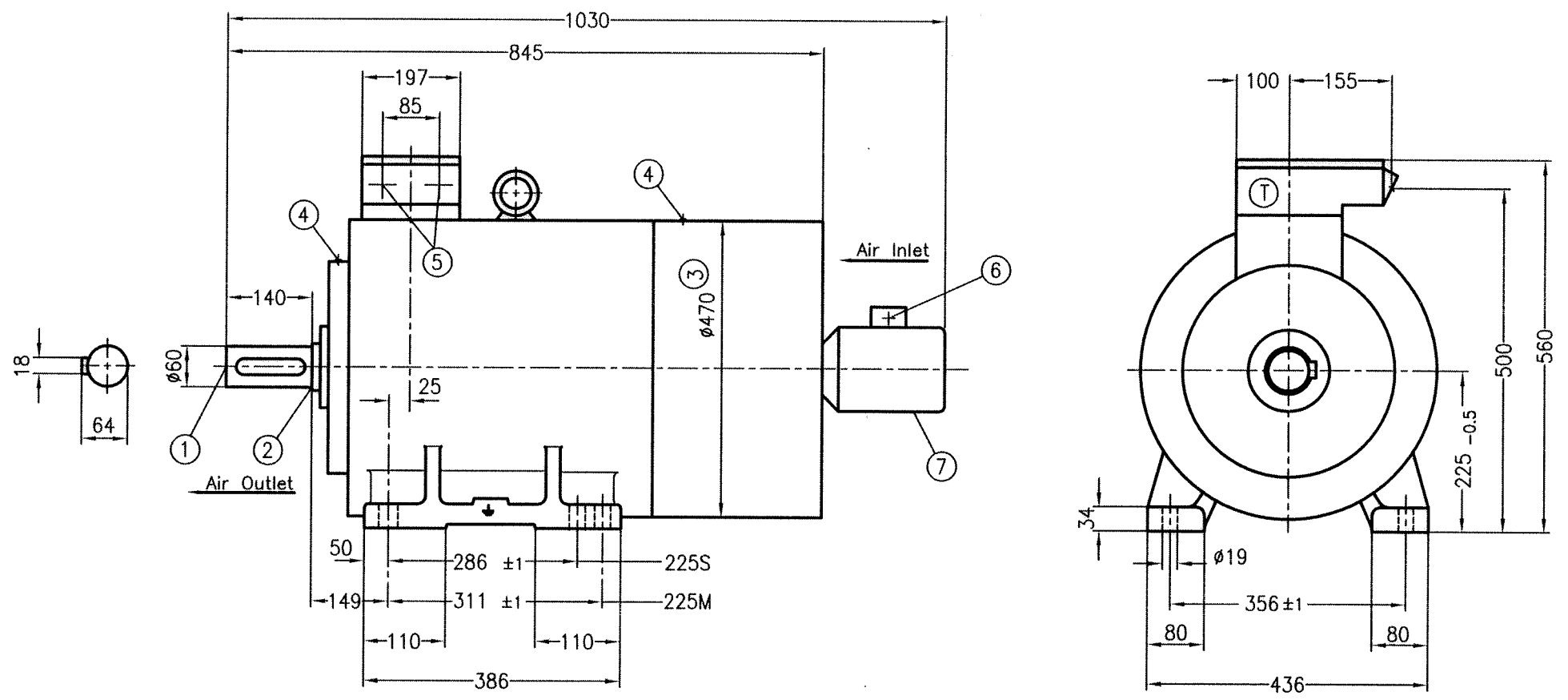


- ① Shaft extension $\phi 55_{m6} \times 110$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility.
- ⑤ 2 Nos. B.S.Conduit Entry 51 (2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 322
 suitable for max. cable conductor cross-section(mm²): 35

225 S/M				IM-B3	
Frame Designation				Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	Scale NTS	
Checked	19.11.08	RSA			
Std.CHD.	19.11.08	SE			
Dim. without tolerance as per Medium IS:2102			SIEMENS	Type: 1PQ0 22-2	
			WMOT	DRG No. 4D-2722-85-0247033-001	
				REF DRG NO. (4D-2722-80-0240398-001)	

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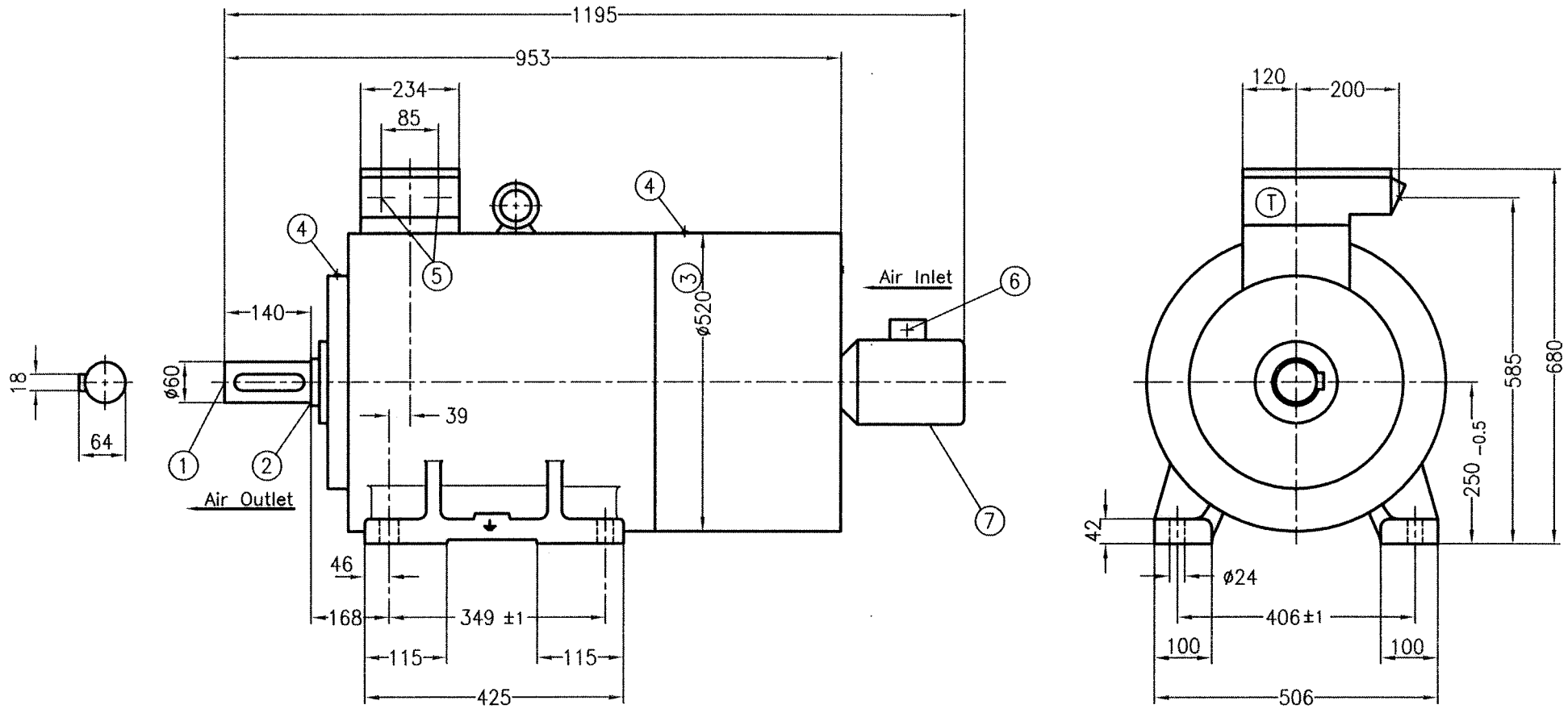
- ① Shaft extension $\phi 60_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 51(2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 322
 suitable for max. cable conductor cross-section(mm²): 35

225 S/M			IM-B3	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	19.11.08	RSA		
Std.CHD.	19.11.08	<i>[Signature]</i>		
Dim. without tolerance as per Medium IS:2102			Type: 1PQO 22-4...8	
SIEMENS			DRG No. 4D-2722-95-0247032-001	
WMOT			REF DRG NO. (3D-2722-90-0240402-001)	
			Scale NTS	

Amendment

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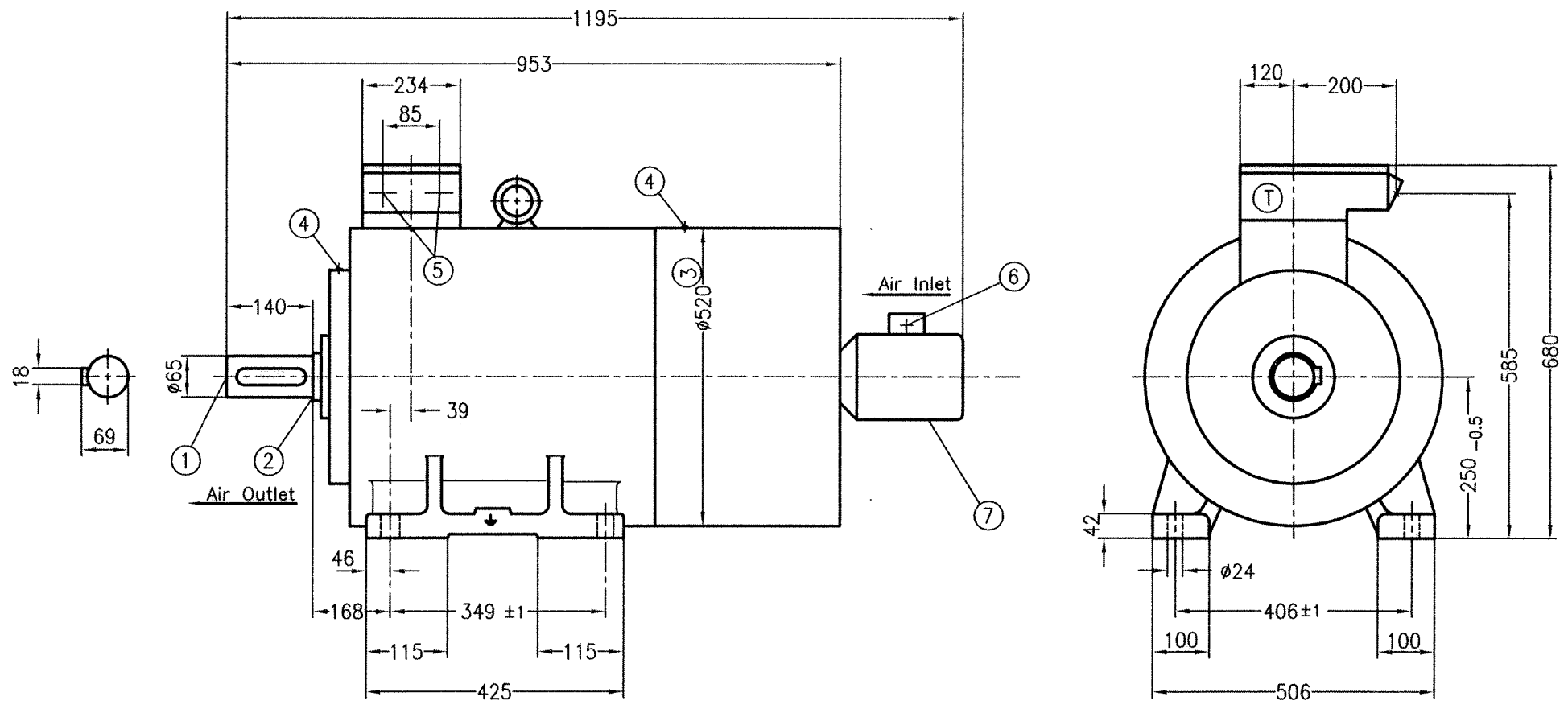


- ① Shaft extension $\phi 60_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 51 (2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 422
 suitable for max. cable conductor cross-section(mm²): 120

250 M			IM-B3	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	19.11.08	RSA	Type: 1PQ0 25-2	Scale NTS
Std.CHD.	21/11/08	<i>[Signature]</i>	DRG No.	4D-2725-85-0247078-001
Dim. without tolerance as per Medium IS:2102		SIEMENS	REF DRG NO.	
		WMOT		

18 DEC 2008

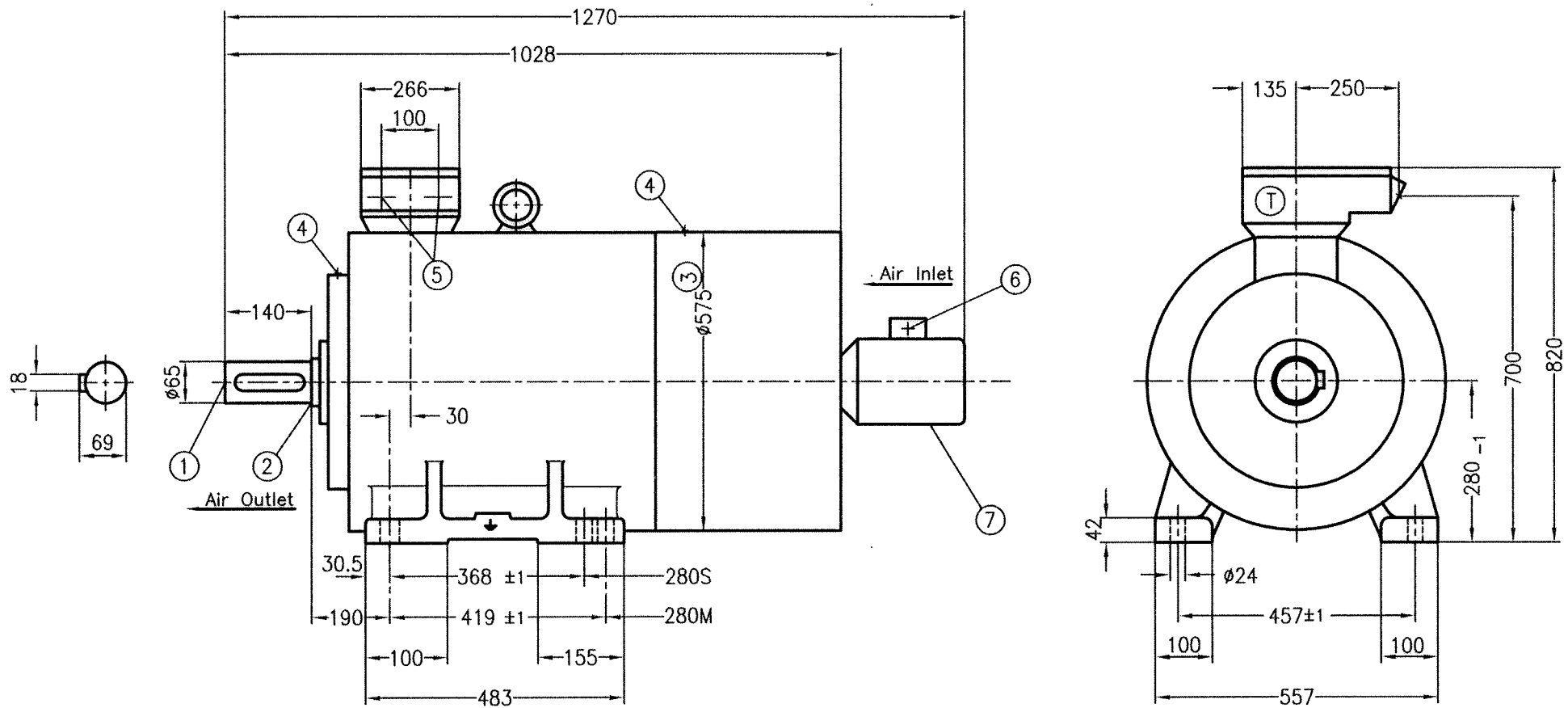


Ⓣ Terminal Box Type : 1XB7 422
 suitable for max. cable conductor cross-section(mm²): 120

- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 51(2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

250 M			IM-B3	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	19.11.08	RSA		
Std.CHD.	19.11.08	206		
Dim. without tolerance as per Medium IS:2102			Type: 1PQ0 25-4.8	
SIEMENS			DRG No. 4D-2725-95-0247079-001	
WMOT			REF DRG NO. (4D-2725-90-0240403-001)	
			Scale NTS	

Amendment

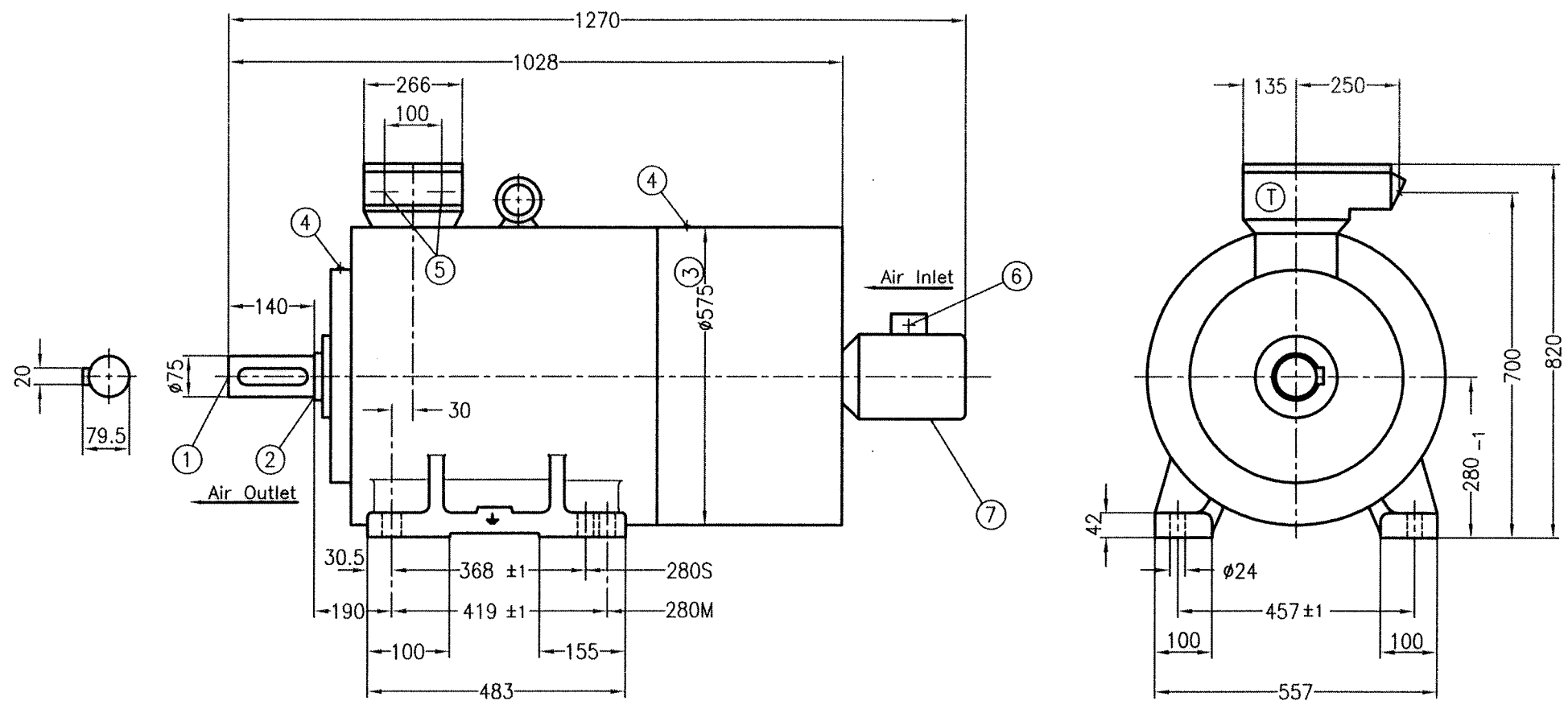


- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

ⓧ Terminal Box Type : 1XB7 522
 suitable for max. cable conductor cross-section(mm²): 240

280 S/M			IM-B3	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
19.11.08	19.11.08	RSA <i>RSA</i>		
Checked		<i>DK</i>		
Std.CHD.			Type: 1PQ0 28-2	Scale NTS
Dim. without tolerance as per Medium IS:2102			SIEMENS	
			WMOT	
			DRG No. 40-2728-8530-0247080-001	
			REF DRG NO. (40-2728-8030-0241541-001)	

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18 DEC 2008

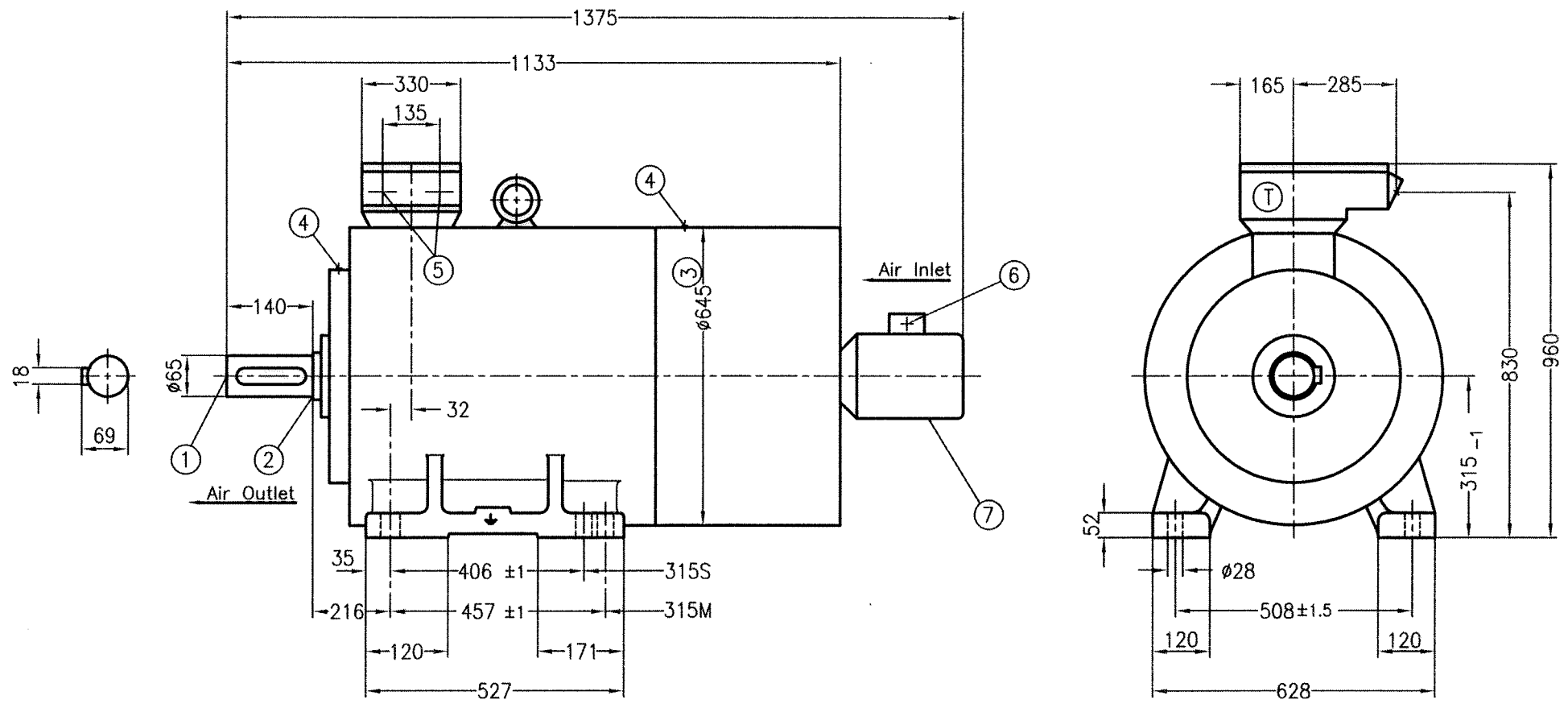


- ① Shaft extension $\phi 75_{m6}$ x 140 with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 522
suitable for max. cable conductor cross-section(mm²): 240

280 S/M				IM-B3	
Frame Designation				Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram Type: 1PQO 28-4..8 DRG No. 4D-2728-9530-0247081-001 REF DRG NO. (4D-2728-9030-0241542-001)		
Checked	19.11.08	RSA			
Std.CHD.	19.11.08	A DTC	Scale NTS		
Dim. without tolerance as per Medium IS:2102			SIEMENS		
			WMOT		

18 DEC 2008



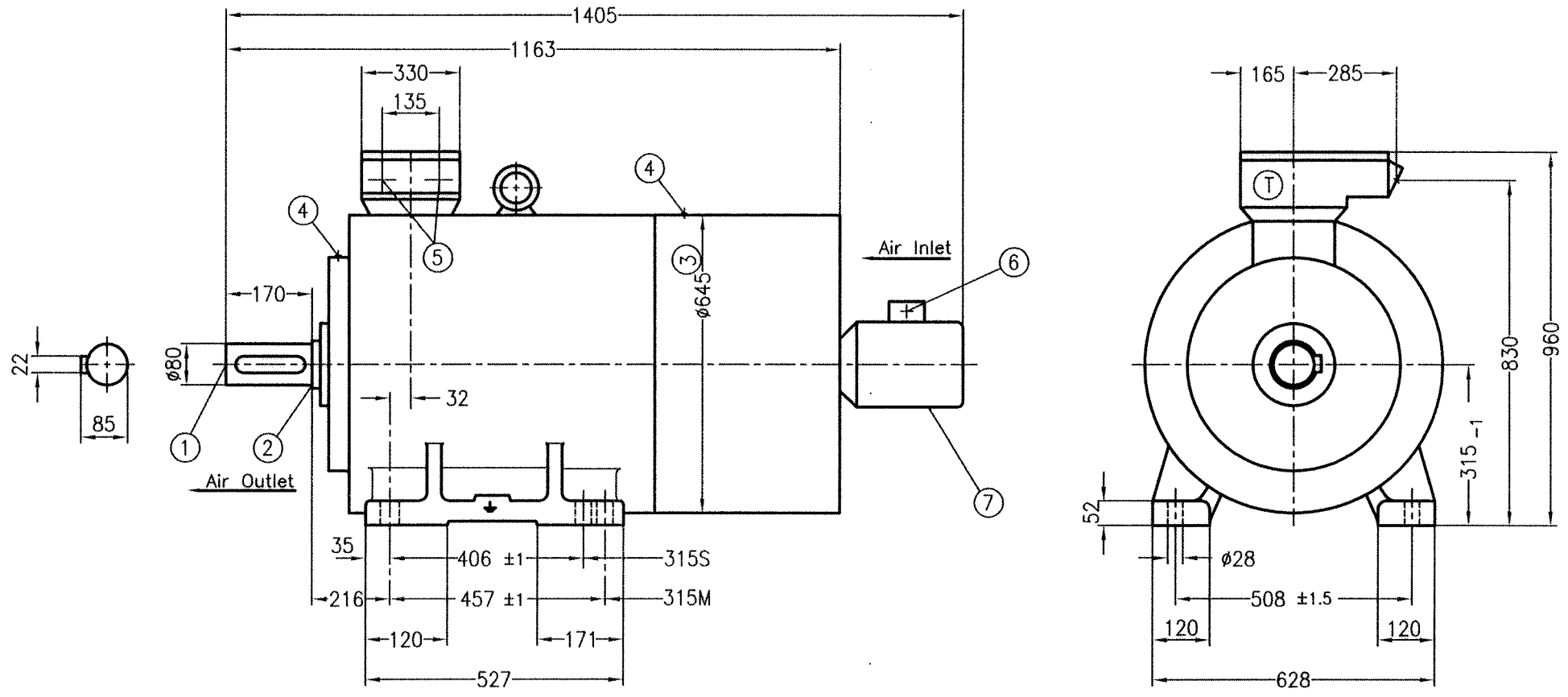
Ⓣ Terminal Box Type : 1XB7 622
 suitable for max. cable conductor cross-section(mm²): 300

- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

315 S/M			IM-B3	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	19.11.08	RSA		
Std.CHD.	19/11/08	RSA		
Dim. without tolerance as per Medium IS:2102			Type: 1PQ0 310/1/3/4-2	Scale NTS
SIEMENS WMOT			DRG No. 4D-2731-8530-0247082-001	
			REF DRG NO. (4D-2731-8030-0241543-001)	

Amendment

18 DEC 2008

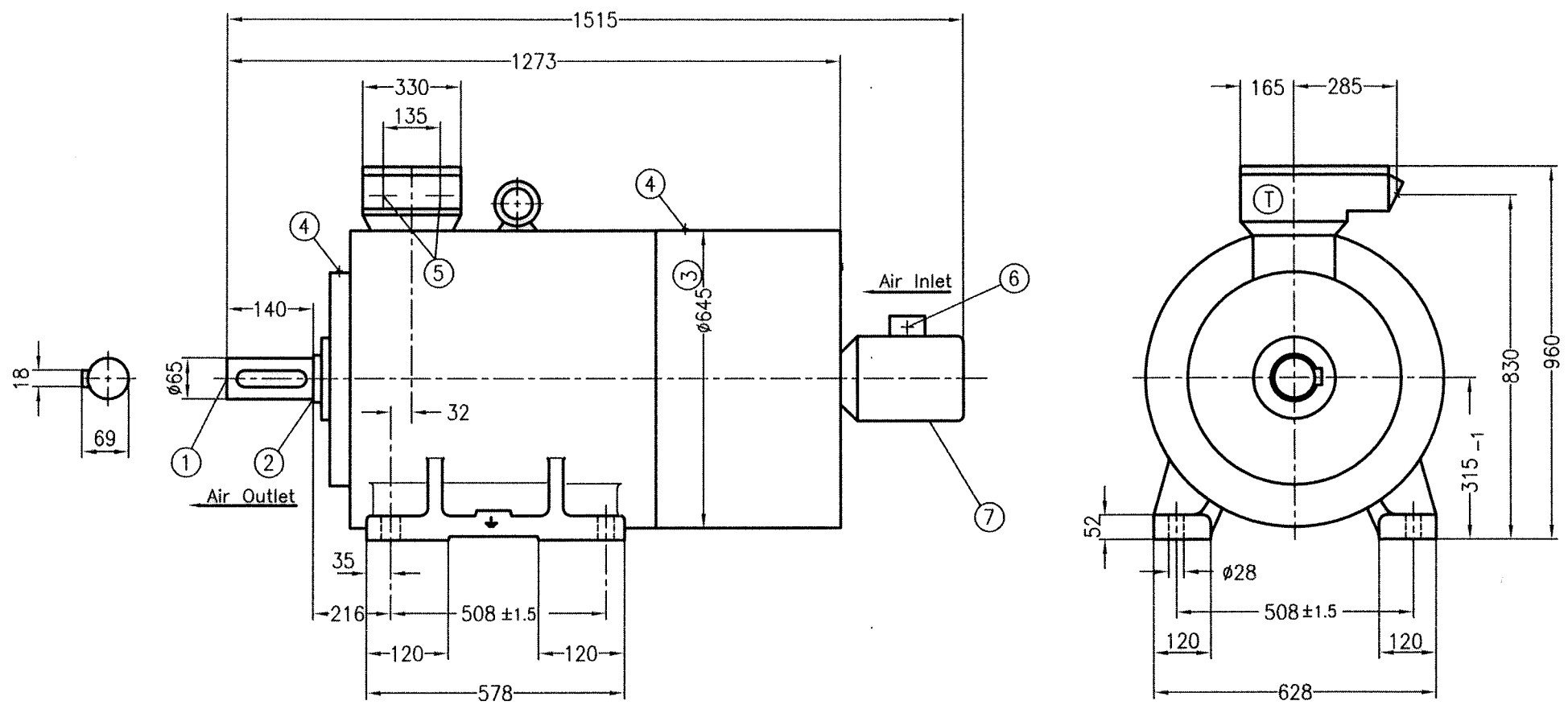


- ① Shaft extension $\varnothing 80_{m6} \times 170$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 622
 suitable for max. cable conductor cross-section(mm²): 300

315 S/M			IM-B3	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	19.11.08	RSA		
Std.CHD.	19.11.08	18 DEC		
Type: 1PQ0 310/1/3/4-4..8			Scale	NTS
Dim. without tolerance as per Medium IS:2102			SIEMENS	
WMOT			4D-2731-9530-0247083-001	
			REF DRG NO. (4D-2731-9030-0241544-001)	

18 DEC 2008



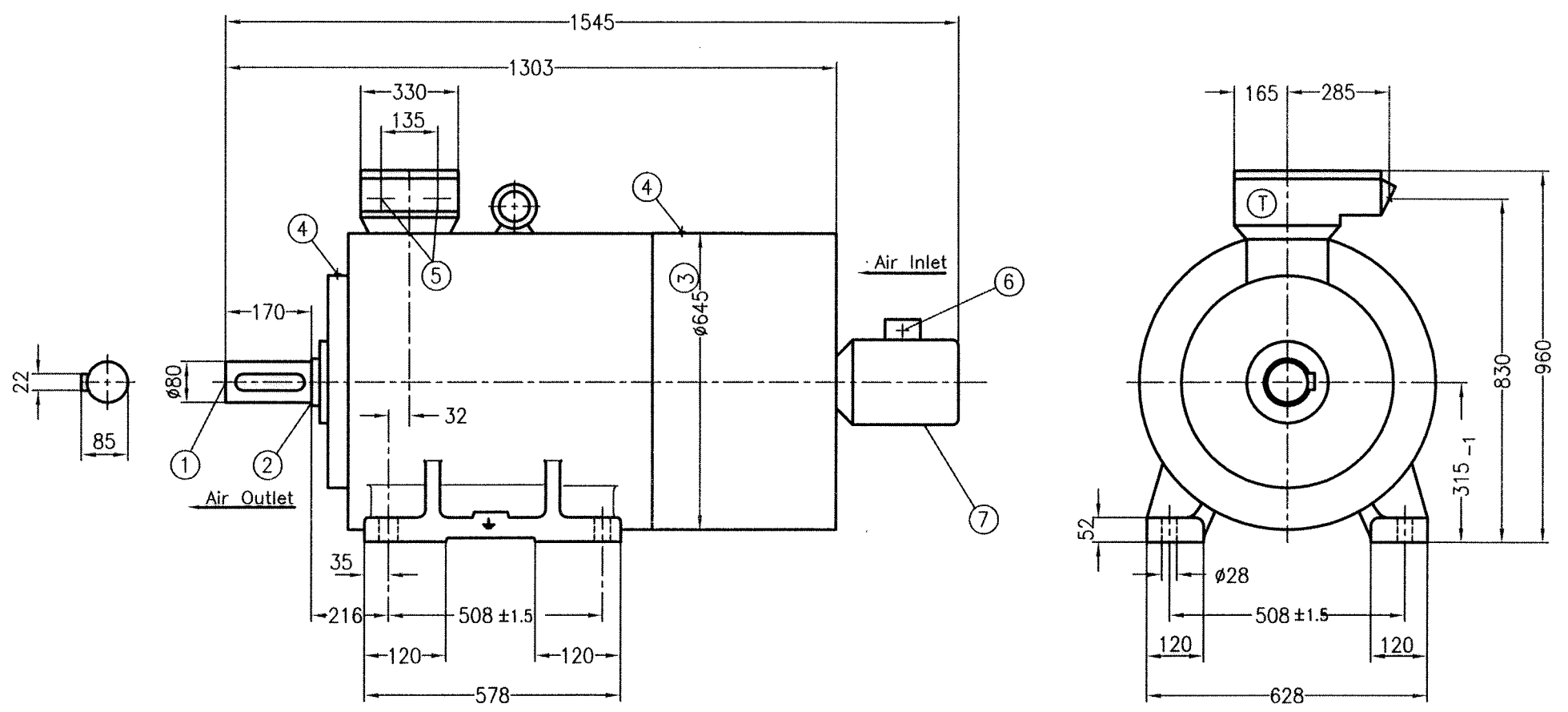
Ⓣ Terminal Box Type : 1XB7 622
suitable for max. cable conductor cross-section(mm²): 300

- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

315 L			IM-B3	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	19.11.08	RSA		
Std.CHD.			Type: 1PQO 316/7/8/9-2	
SIEMENS WMOT			DRG No.	
			4D-2731-6530-0247084-001	
Dim. without tolerance as per Medium IS:2102			REF DRG NO. (4D-2731-6030-0241545-001)	
			Scale NTS	

Amendment

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- ① Shaft extension $\varnothing 80_{m6} \times 170$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 622
 suitable for max. cable conductor cross-section(mm²): 300

315 L			IM-B3	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram Type: 1PQ0 316/7/8/9-4..8 DRG No. 4D-2731-7530-0247085-001 REF DRG NO. (4D-2731-7030-0241546-001)	
Checked	19.11.08	RSA		
Std. CHD.	19.11.08	Z.D.C.		
Dim. without tolerance as per Medium IS:2102			SIEMENS WMOT	
			Scale NTS	

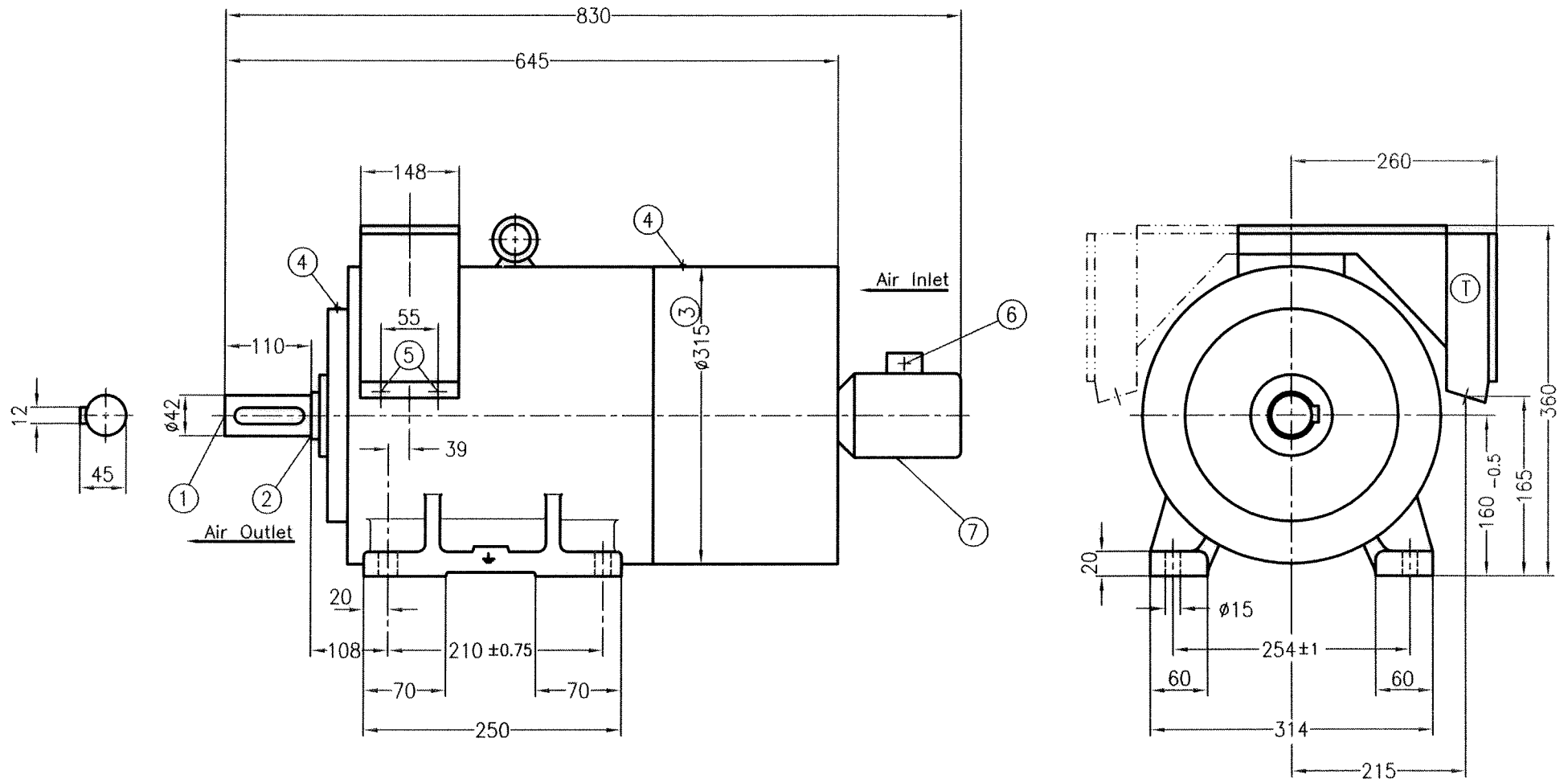
Amendment

Annexure - IV

Dimensional Diagrams for 1PQ0 Motors

Frames 160M – 315L – IMB3 - T.Box on SIDE

25.03.09

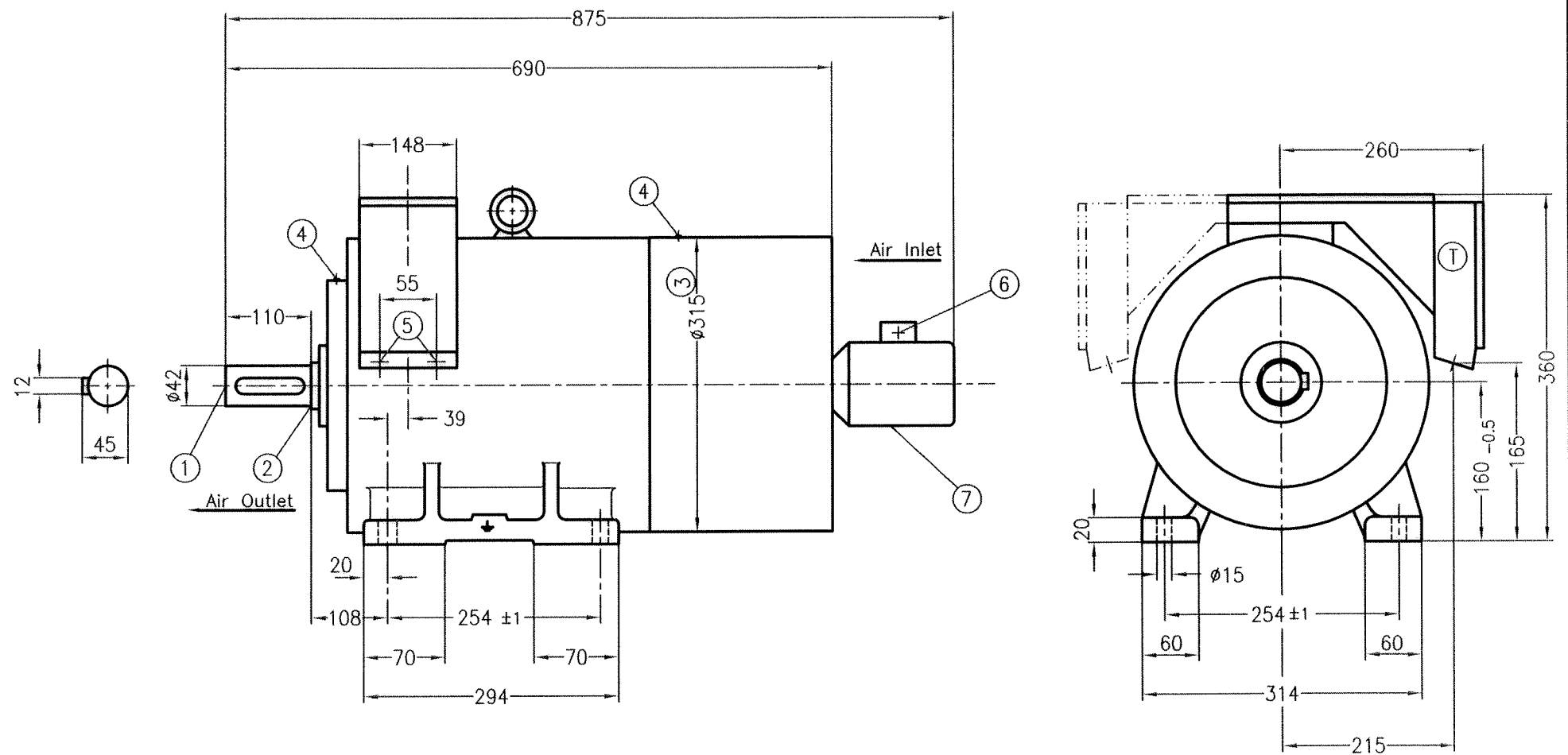


- ① Shaft extension $\phi 42_{k6}$ x 110 with protected centre hole M16x36
- ② Relief groove E1x0.2 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility.
- ⑤ 2 Nos. B.S.Conduit Entry 31.8 (1 1/4") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓡ Terminal Box Type : 1XB1 223
 suitable for max. cable conductor cross-section(mm²): 25
 For Terminal Box on left, view is "mirror image"

160 M			IM-B3	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked				
Std.CHD.			Type: 1PQ0 163/164/ 165-2..8	
SIEMENS WMOT			DRG No. 4D-2716-66-0247438-001	
			REF DRG NO. (4D-2716-65; 4D-2716-61)	
Dim. without tolerance as per Medium IS:2102			Scale NTS	

25 APR 2009

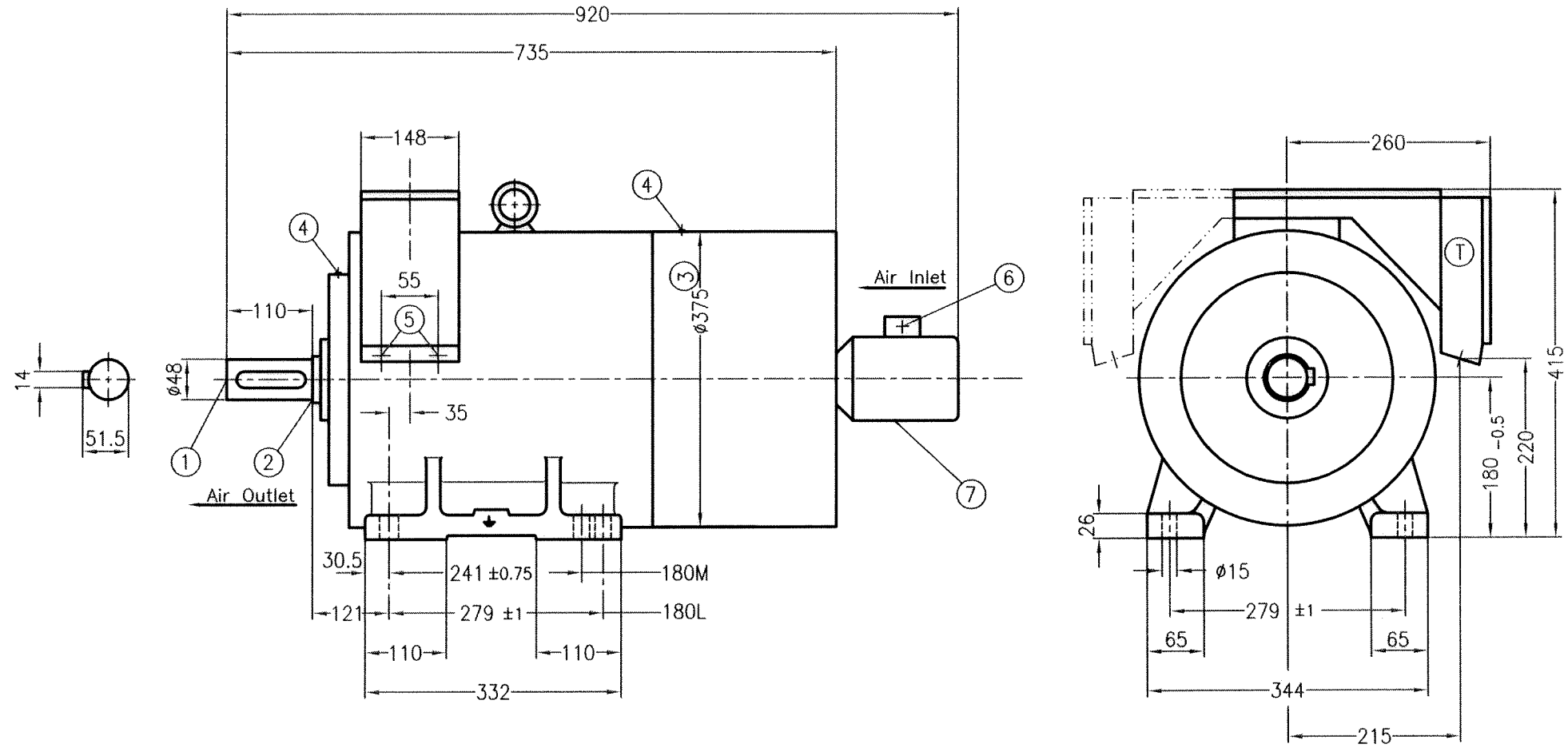


- ① Shaft extension $\phi 42$ k6 x 110 with protected centre hole M16x36
- ② Relief groove E1x0.2 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility.
- ⑤ 2 Nos. B.S.Conduit Entry 31.8 (1 1/4") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB1 223
 suitable for max. cable conductor cross-section(mm²): 25
 For Terminal Box on left, view is "mirror image"

160 L			IM-B3	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram Type: 1PQO 166-2..8 DRG No. 4D-2716-76-0247439-001 REF DRG NO. (4D-2716-75; 4D-2716-71)	
Checked	16.03.09	RSA		
Std.CHD.	25/01/09	SP		
Dim. without tolerance as per Medium IS:2102		SIEMENS		Scale NTS
		WMOT		

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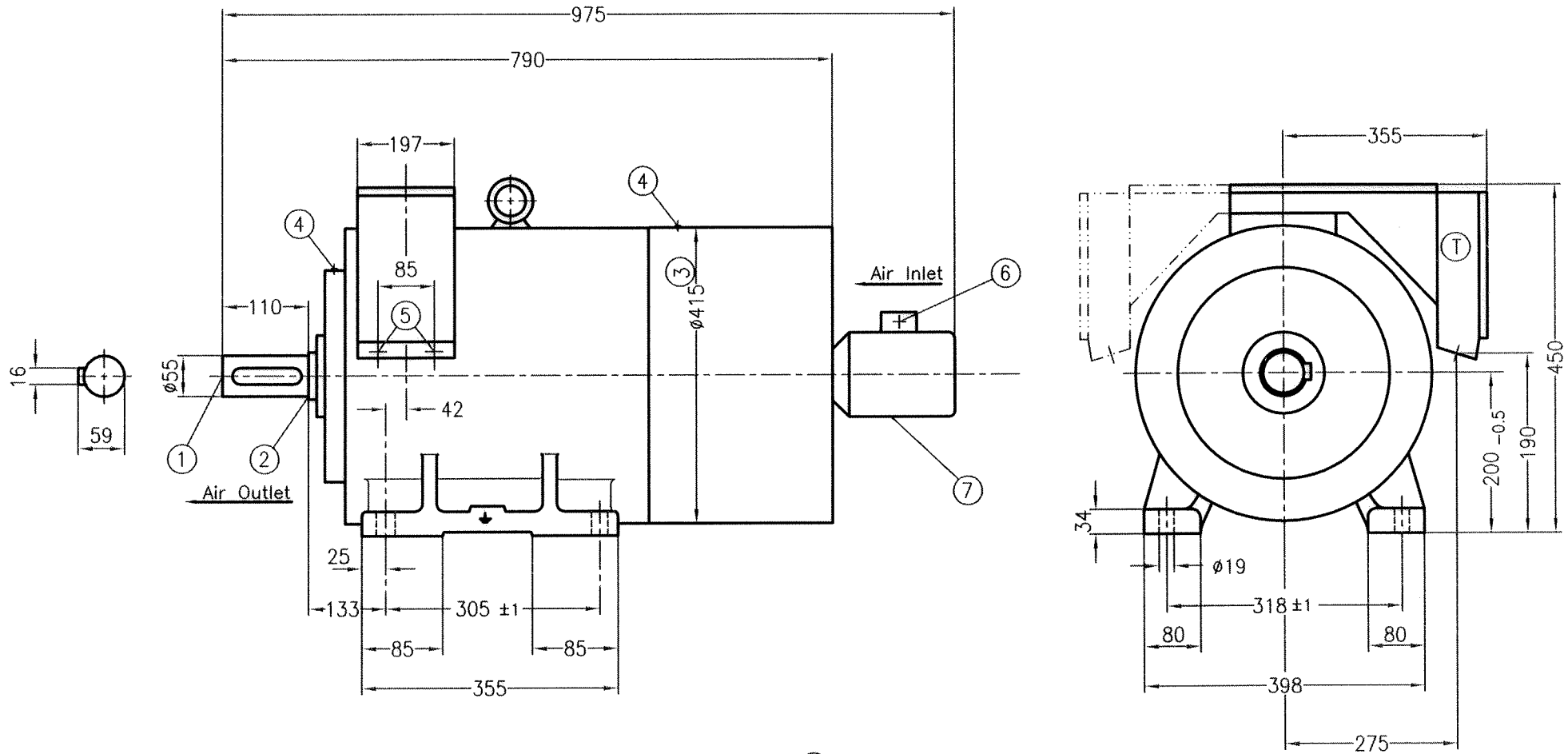
- ① Shaft extension $\phi 48_{k6}$ x 110 with protected centre hole M16x36
- ② Relief groove E1x0.2 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility.
- ⑤ 2 Nos. B.S.Conduit Entry 31.8 (1 1/4") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB1 223
 suitable for max. cable conductor cross-section(mm²): 25
 For Terminal Box on left, view is "mirror image"

180M/180L			IM-B3	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram Type: 1PQ0-18 DRG No. 4D-2718-66-0247440-001 REF DRG NO. (4D-2718-65; 4D-2718-61)	
Checked	16.03.09	RSA-RU		
Std.CHD.	25/3/09	SRC		
Dim. without tolerance as per Medium IS:2102			Scale NTS	
SIEMENS WMOT				

Amendment

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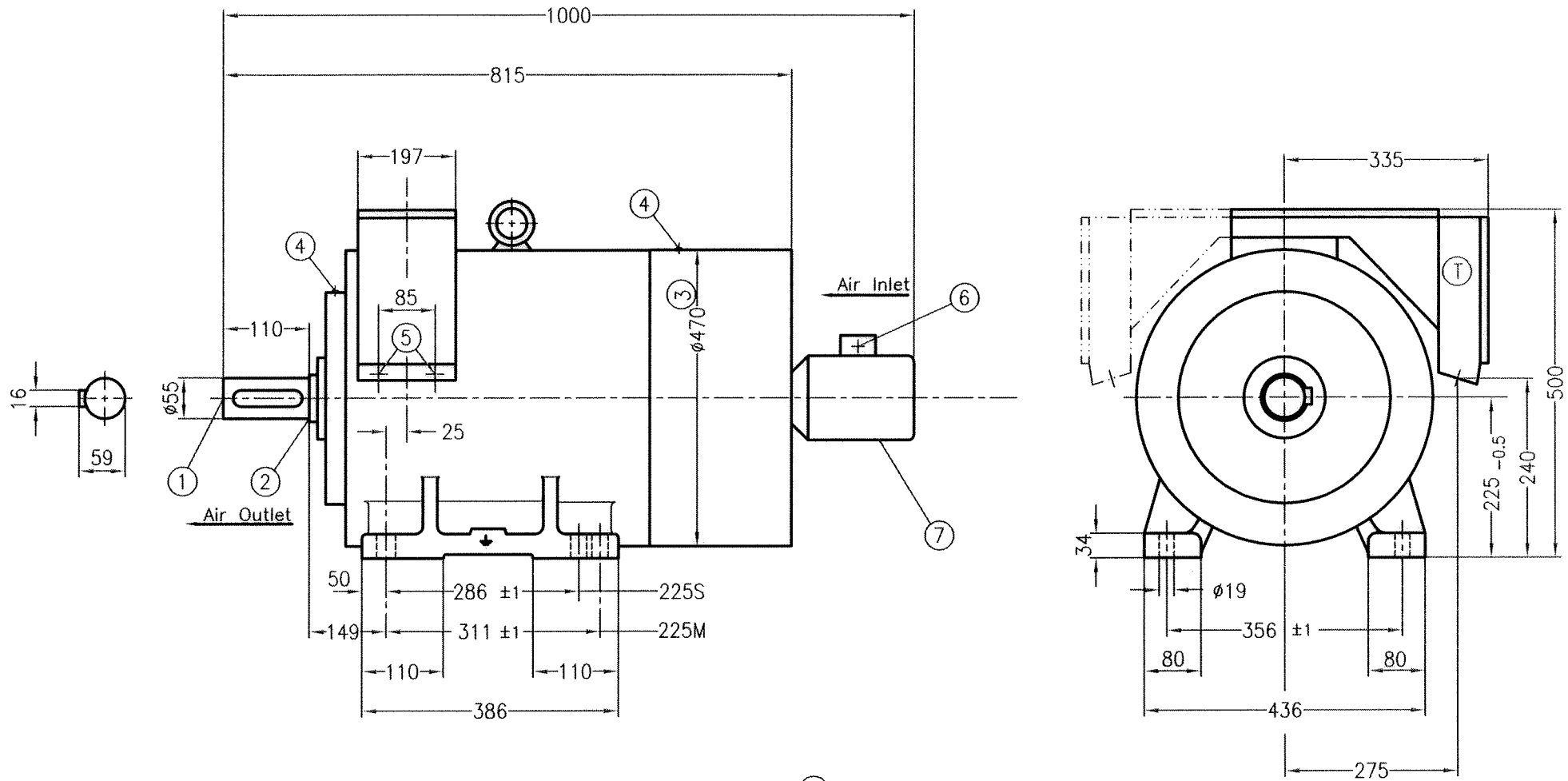
- ① Shaft extension $\phi 55_{m6} \times 110$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility.
- ⑤ 2 Nos. B.S.Conduit Entry 51(2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 322
 suitable for max. cable conductor cross-section(mm²): 35
 For Terminal Box on left, view is "mirror image"

200 L				IM-B3	
Frame Designation				Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram Type: 1PQ0-20 DRG No. 4D-2720-66-0247441-001 REF DRG NO. (4D-2720-65; 4D-2720-61)		
Checked	16.03.09	RSA			
Std. CHD.	25/3/09				
Dim. without tolerance as per Medium IS:2102			SIEMENS		Scale NTS
			WMOT		

Amendment

25 APR 2009

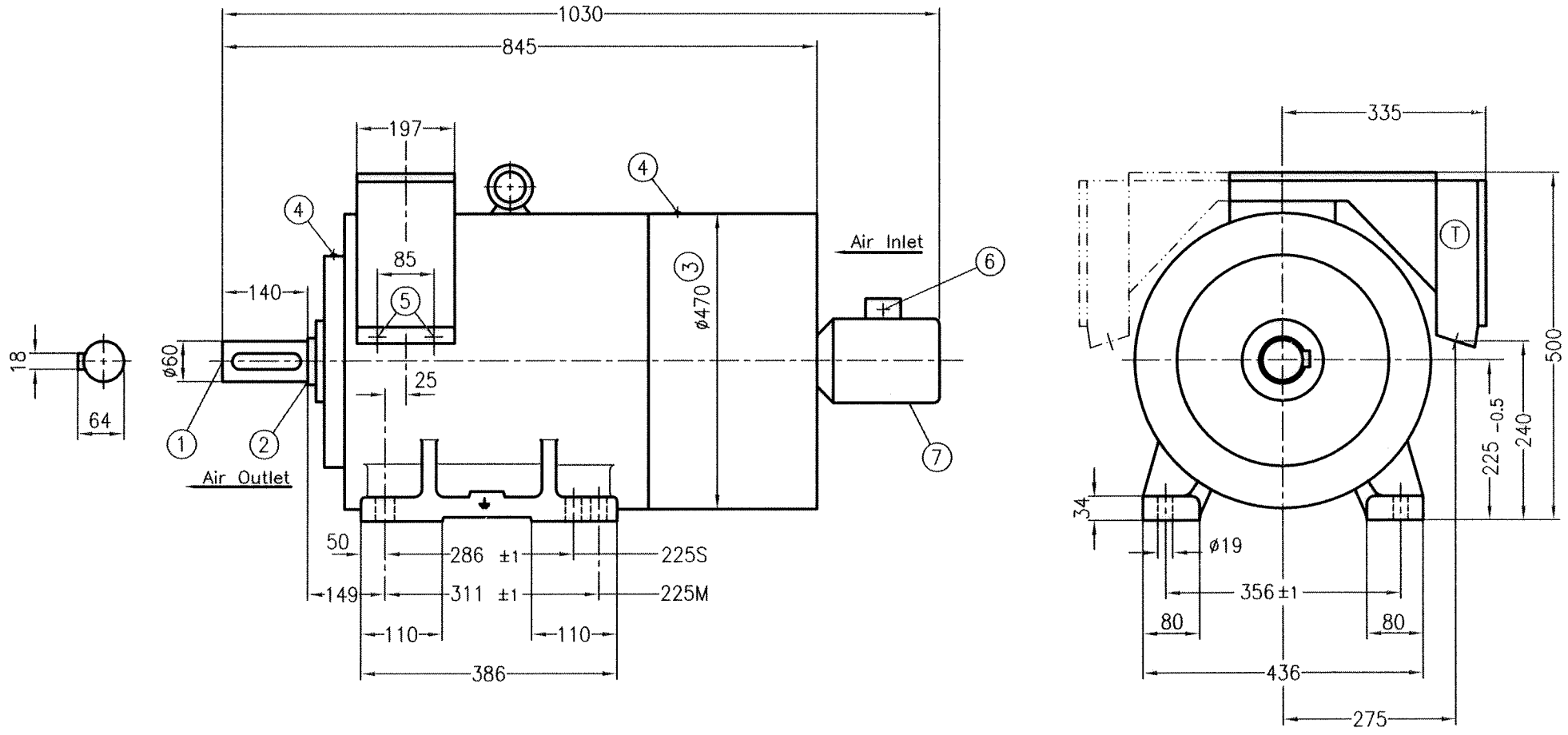


- ① Shaft extension $\phi 55_{m6} \times 110$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility.
- ⑤ 2 Nos. B.S.Conduit Entry 51 (2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 322
 suitable for max. cable conductor cross-section(mm²): 35
 For Terminal Box on left, view is "mirror image"

225S/225M			IM-B3	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	16.03.09	RSA		
Std.CHD	28/3/09	SR		
Dim. without tolerance as per Medium IS:2102			Type: 1PQO 22-2	Scale NTS
SIEMENS			DRG No.	4D-2722-86-0247442-001
WMOT			REF DRG NO.	

25 APR 2009



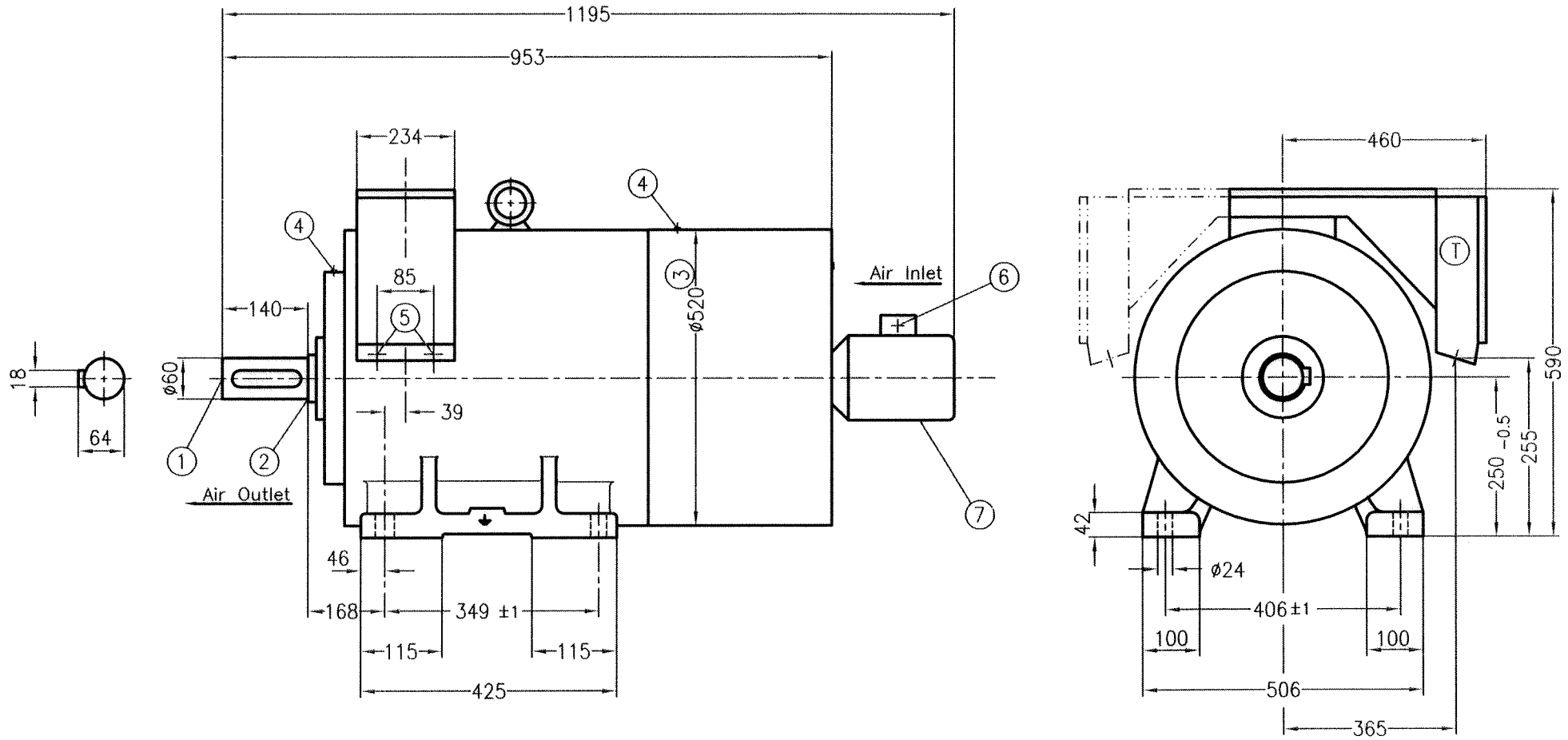
- ① Shaft extension $\phi 60_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 51(2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 322
 suitable for max. cable conductor cross-section(mm²): 35
 For Terminal Box on left, view is "mirror image"

225S/225M				IM-B3	
Frame Designation				Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	Scale NTS	
Checked	16.03.09	RSA RSA			
Std.CHD.	25/3/09	SDE			
Dim. without tolerance as per Medium IS:2102			SIEMENS		Type: 1PQO 22-4...8
			WMOT		DRG No. 4D-2722-96-0247443-001
					REF DRG NO. (4D-2722-95; 4D-2722-91)

Amendment

25 APR 2009

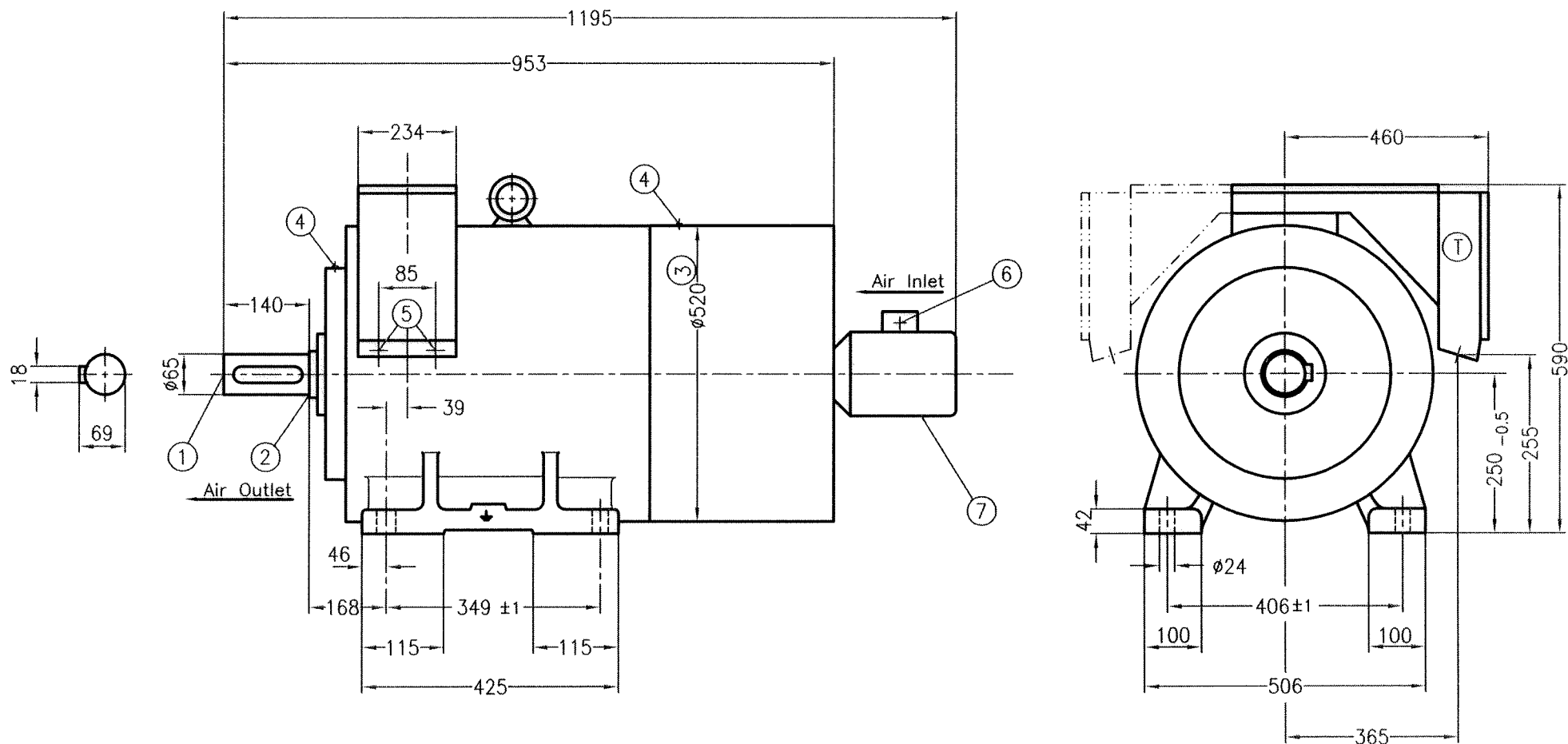


- ① Shaft extension $\phi 60_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 51 (2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 422
 suitable for max. cable conductor cross-section(mm²): 120
 For Terminal Box on left, view is "mirror image"

250 M			IM-B3	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	16.03.09	RSA RY		
Std.CHD.	35/2/09	SDE		
Dim. without tolerance as per Medium IS:2102			Type: 1PQ0 25-2	
SIEMENS			DRG No. 4D-2725-86-0247444-001	
WMOT			REF DRG NO. (4D-2725-85; 4D-2725-81)	
				Scale NTS

25 APR 2009



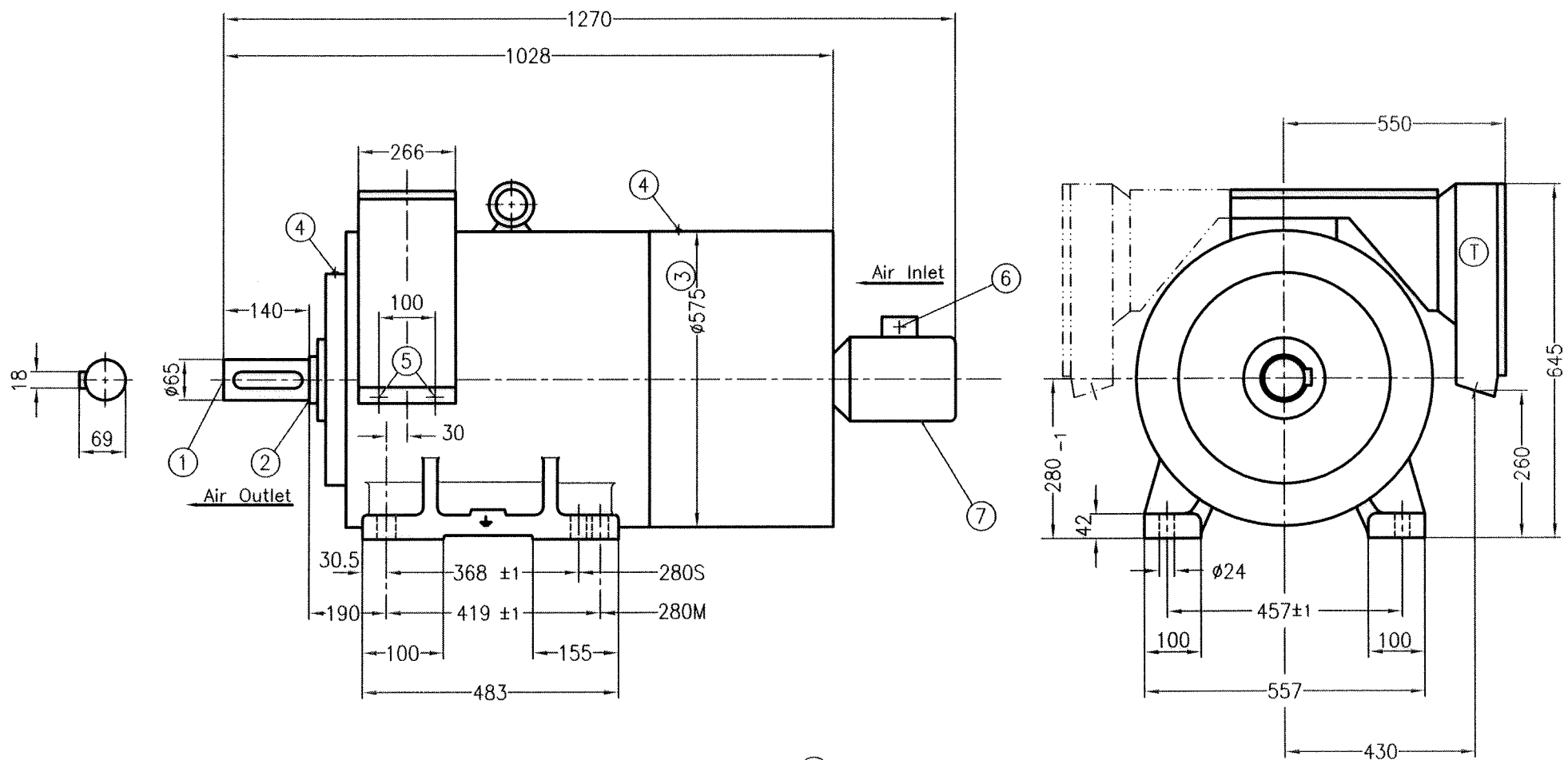
- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 51(2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 422

suitable for max. cable conductor cross-section(mm²): 120
For Terminal Box on left, view is "mirror image"

250 M				IM-B3	
Frame Designation				Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram		
Checked	16.03.09	RSA-RS			
Std.CHD.	25/12/09	SDK	Type: 1PQO 25-4..8		
Dim. without tolerance as per Medium IS:2102			SIEMENS		DRG No.
			WMOT		4D-2725-96-0247445-001
			REF DRG NO. (4D-2725-95; 4D-2725-91)		Scale NTS

B.S. Conduit

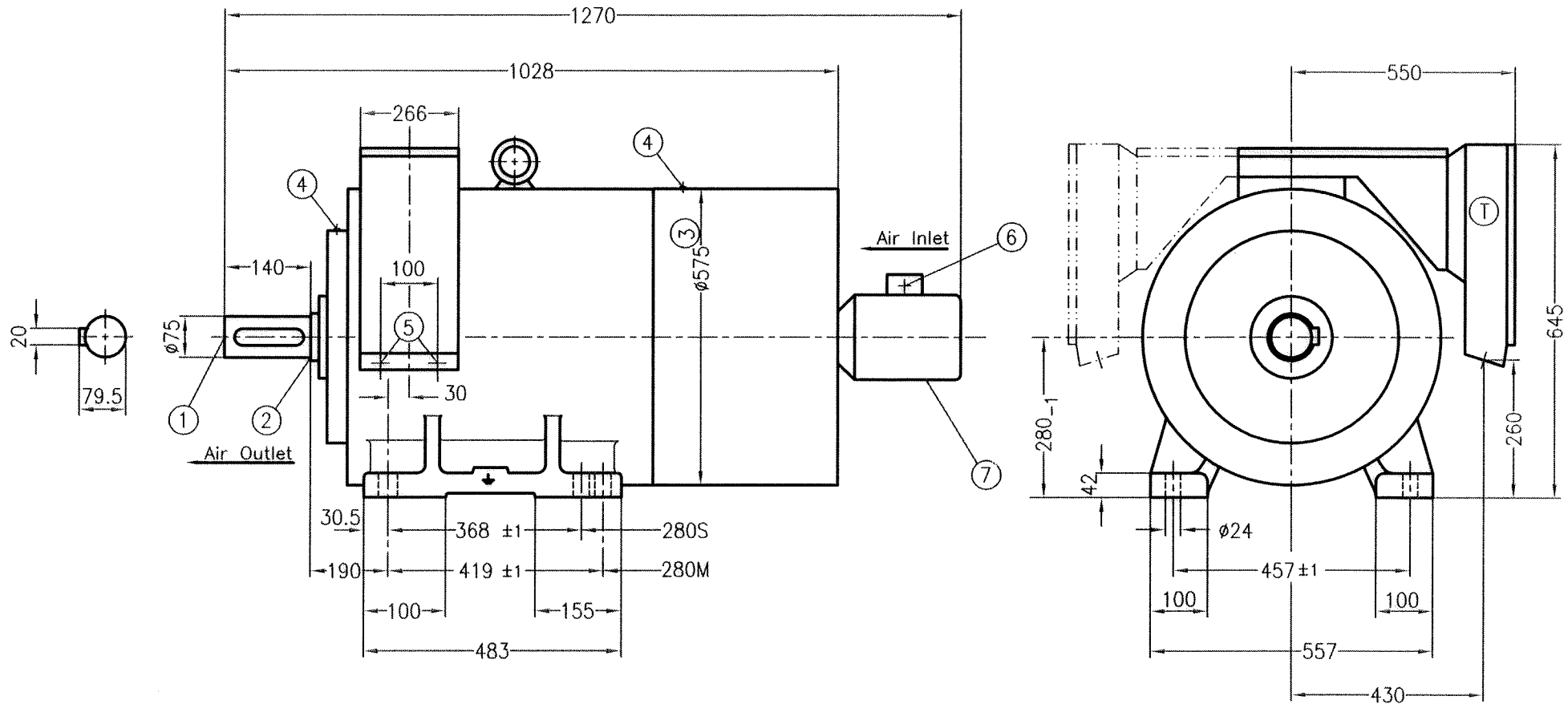


- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 522
 suitable for max. cable conductor cross-section(mm²): 240
 For Terminal Box on left, view is "mirror image"

280S/280M				IM-B3	
Frame Designation				Applicable for Construction	
Drawn	Date	Name	<i>Siemens</i> 10/11/05	Dimensional Diagram	
Checked	16.03.09	RSA		Type: 1PQO 28-2	Scale
Std.CHD.	25/2/09	LPC		DRG No.	NTS
Dim. without tolerance as per Medium IS:2102			SIEMENS		REF DRG NO. (4D-2728-8530; 4D-2728-8130)
			WMOT		

16 MAR 2009

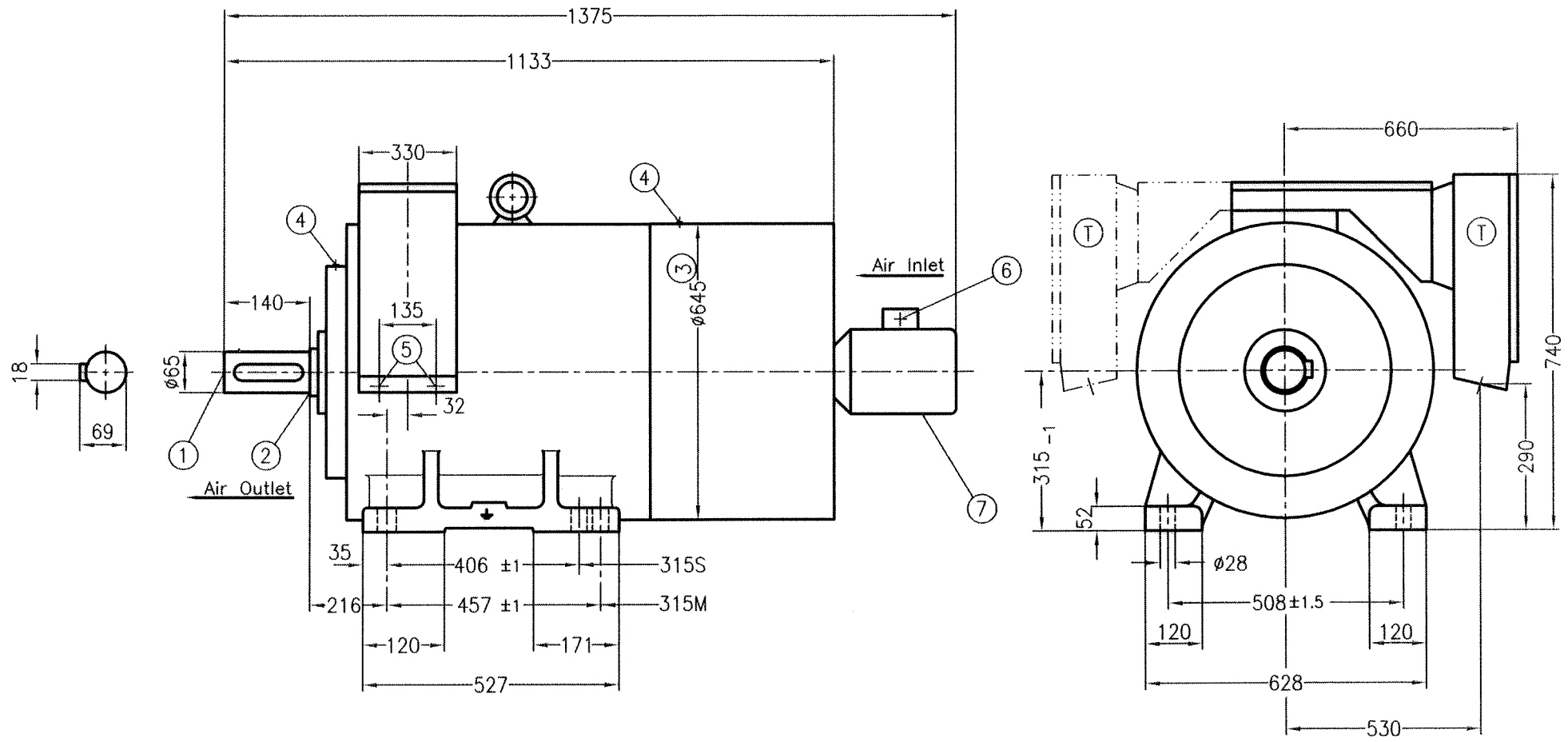


- ① Shaft extension $\phi 75_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 522
 suitable for max. cable conductor cross-section(mm²): 240
 For Terminal Box on left, view is "mirror image"

280S/280M				IM-B3	
Frame Designation				Applicable for Construction	
Drawn	Date	Name		Dimensional Diagram	Scale NTS
Checked	13.03.09	RSA			
Std.CHD.	13.03.09	S.P.C.			
Dim. without tolerance as per Medium IS:2102		SIEMENS		DRG No. 4D-2728-9630-0247434-001	REF DRG NO. (4D-2728-9530; 4D-2728-91)
		WMOT		Type: 1PQ0 28-4..8	

25.000.009

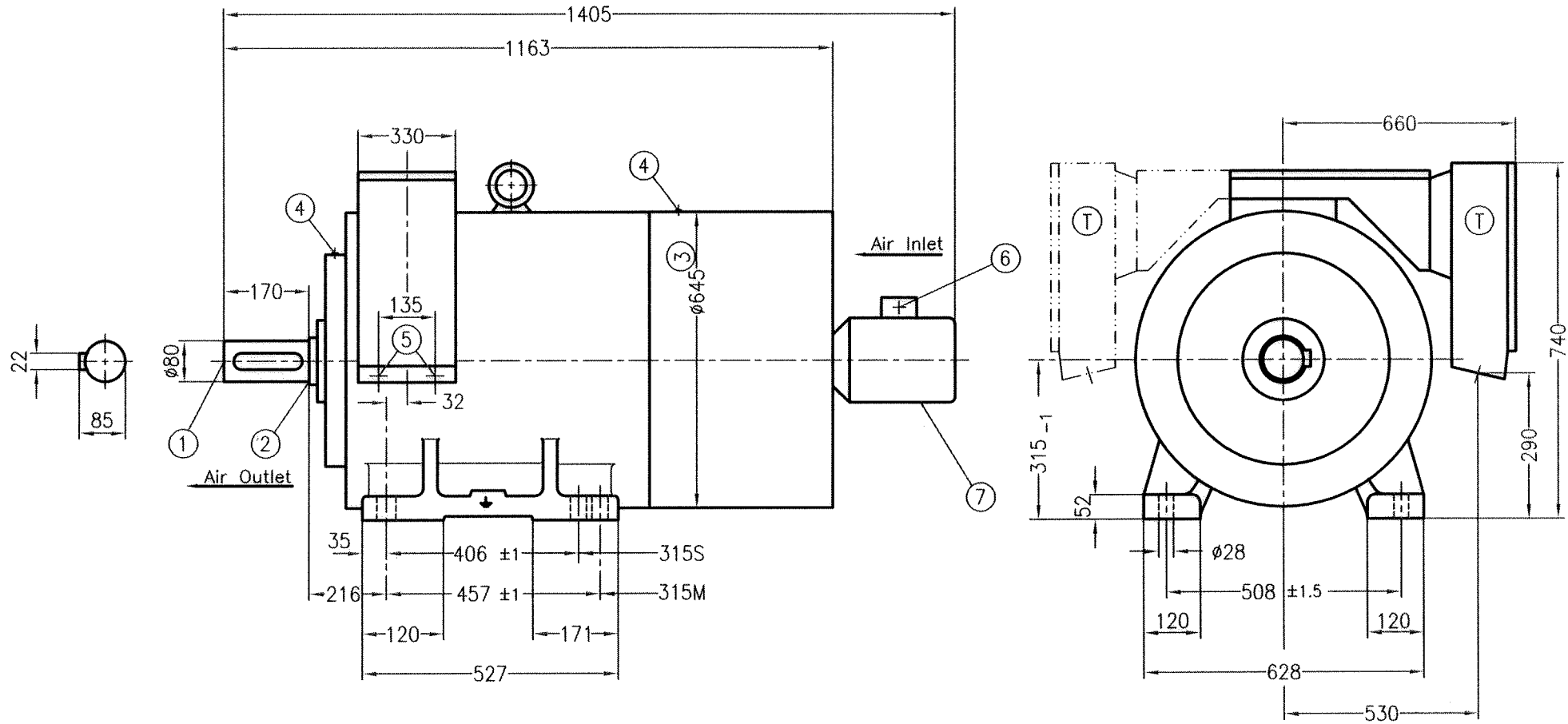


- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 622
 suitable for max. cable conductor cross-section(mm²): 300
 For Terminal Box on left, view is "mirror image"

315S/315M			IM-B3	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram Type: 1PQO 310/1/314-2	
Checked	25/07/19	RSA RRS		
Std.CHD		SDE	DRG No. 4D-2731-8630-0247449-001 REF DRG NO. (4D-2731-8530; 4D-2731-8130)	
Dim. without tolerance as per Medium IS:2102				
SIEMENS WMOT			Scale NTS	

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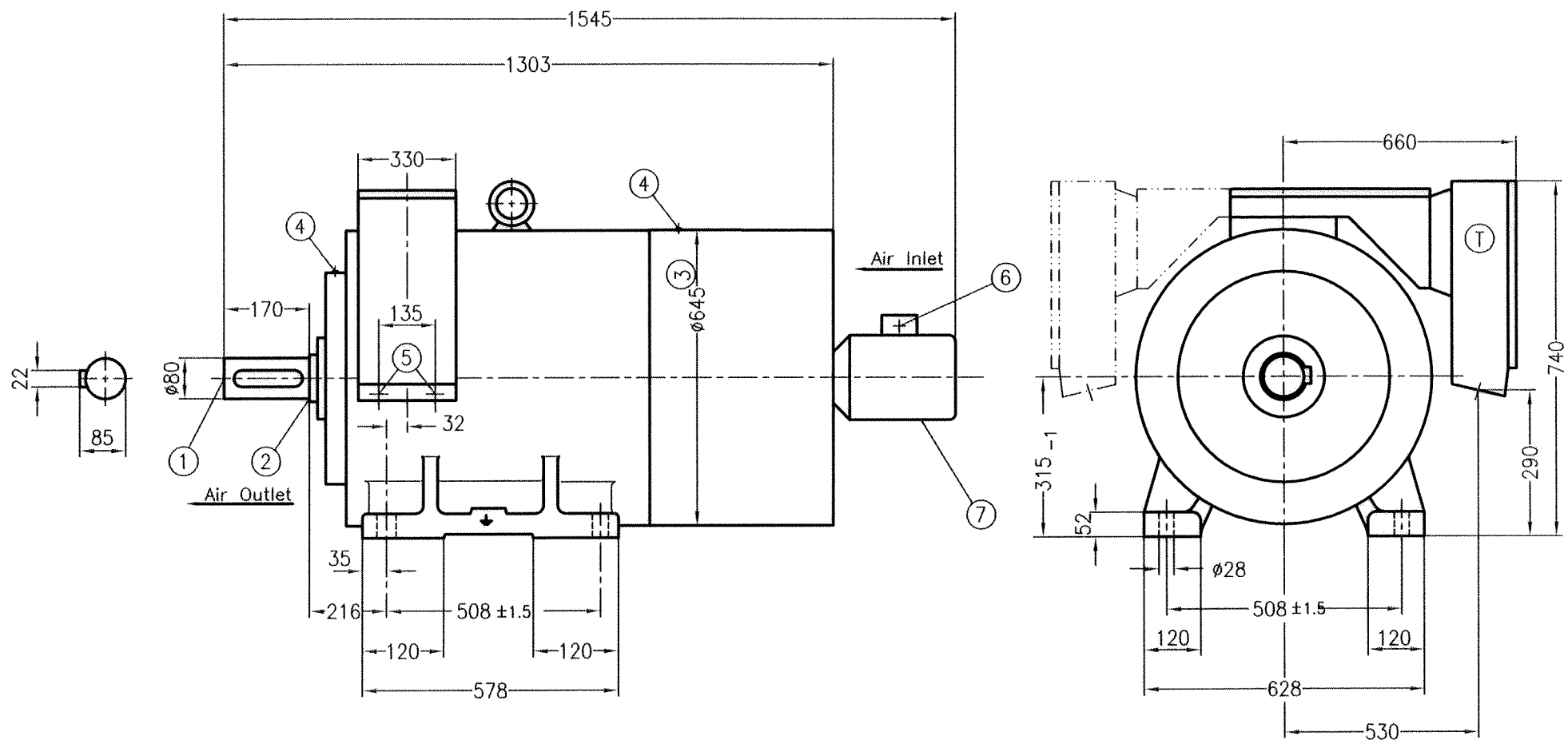


- ① Shaft extension $\phi 80_{m6} \times 170$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 622
 suitable for max. cable conductor cross-section(mm²): 300
 For Terminal Box on left, view is "mirror image"

315S/315M				IM-B3		
Frame Designation				Applicable for Construction		
Drawn	Date	Name	SIEMENS WMOT	Dimensional Diagram		
Checked	16.03.09	RSA		Type: 1PQO 310/1/3/4-4..8	Scale NTS	
Std.CHD.	25/9/09	SDE		DRG No. 4D-2731-9630-0247450-001	REF DRG NO. (4D-2731-9530; 4D-2731-9130)	

25 APR 2009

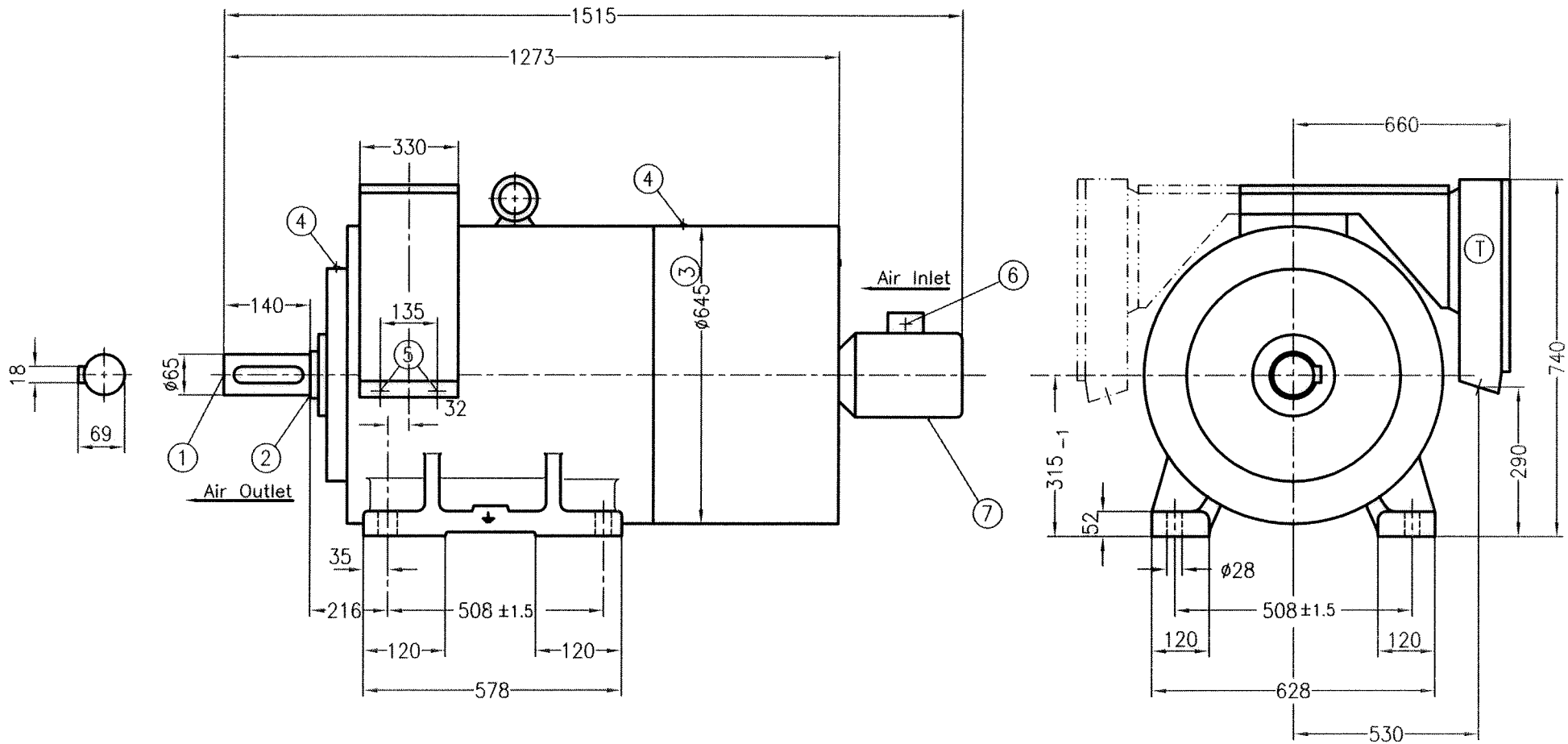


- ① Shaft extension $\phi 80_{m6} \times 170$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 622
 suitable for max. cable conductor cross-section(mm²): 300
 For Terminal Box on left, view is "mirror image"

315 L				IM-B3		
Frame Designation				Applicable for Construction		
Drawn	Date	Name	SIEMENS WMOT	Dimensional Diagram		
Checked	16.03.09	RSA RPA		Type: 1PQO 316/7/8/9-4..8	Scale	NTS
Std.CHD	25/3/09	SDE		DRG No.	4D-2731-7630-0247448-001	
Dim. without tolerance as per Medium IS:2102				REF DRG NO. (4D-2731-7530; 7D-2731-7130)		

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- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 622
 suitable for max. cable conductor cross-section(mm²): 300
 For Terminal Box on left, view is "mirror image"

315 L				IM-B3		
Frame Designation				Applicable for Construction		
Drawn	Date	Name	SIEMENS WMOT	Dimensional Diagram		
Checked	16.03.09	RSA		DRG No.	Type: 1PQO 316/7/8/9 - 2	
Std.CHD.	25/3/09	J/E		4D-2731-6630-0247447-001		
Dim. without tolerance as per Medium IS:2102				REF DRG NO. (4D-2731-6530; 4D-2731-6130)		

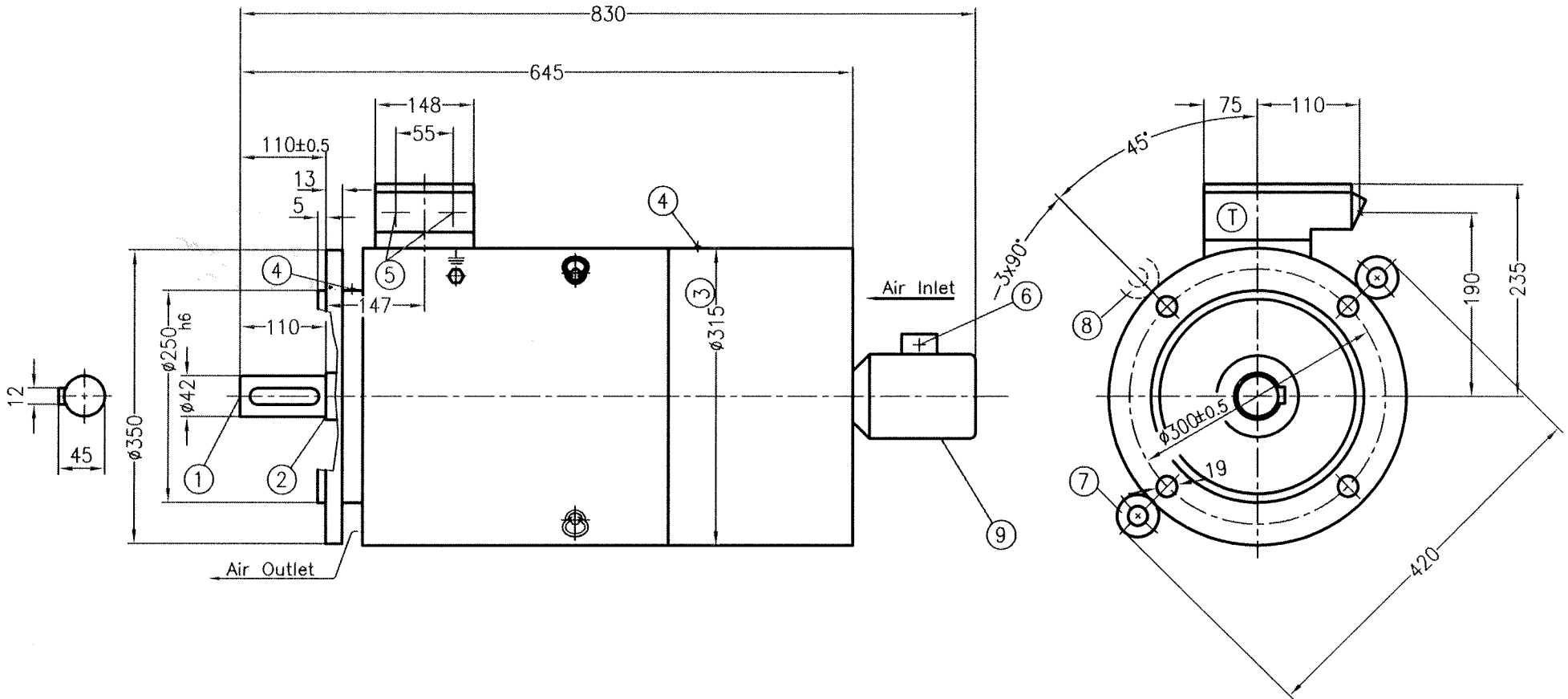
Annexure - V

Dimensional Diagrams for 1PQ0 Motors

Frames 160M – 315M – IMB5 / IMV1

Frame 315L – IMV1

15 APR 2007



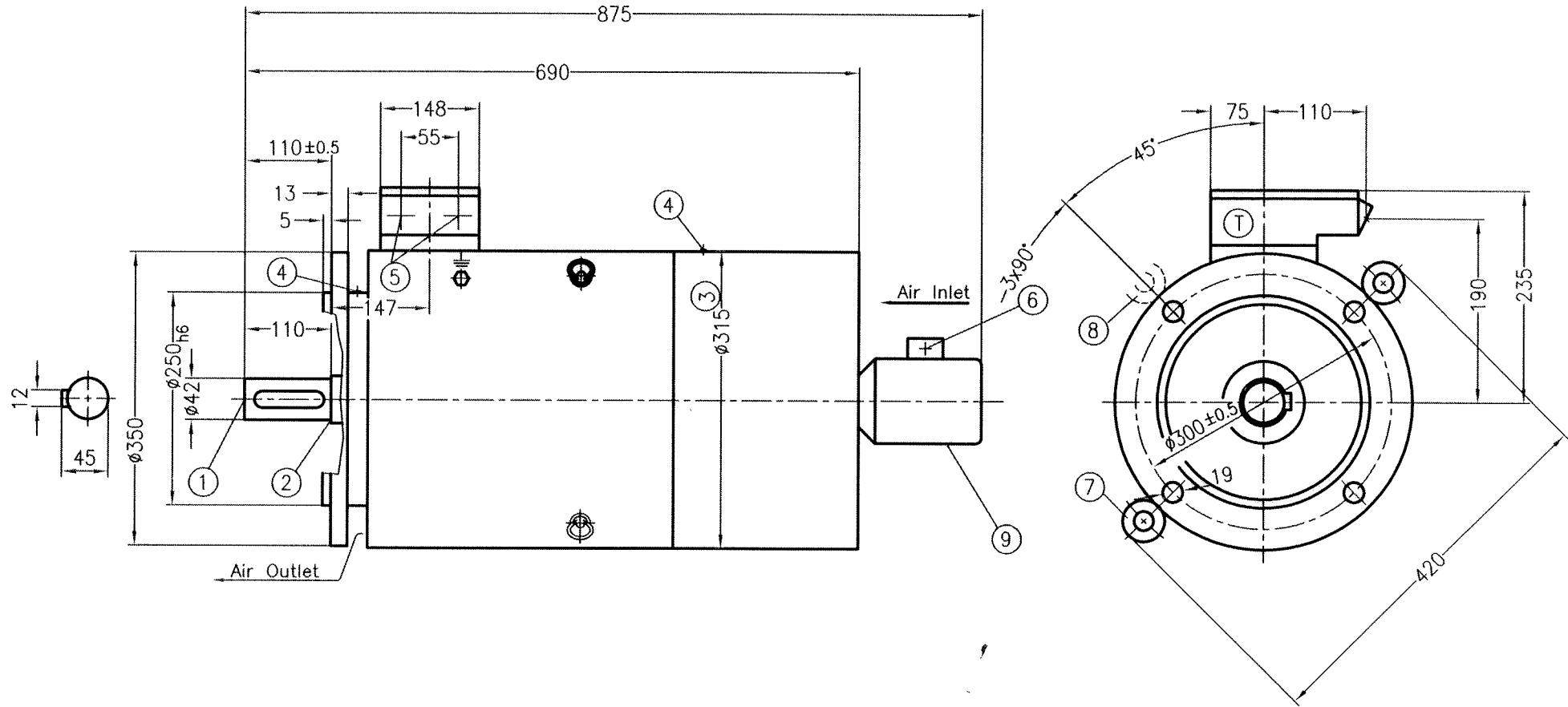
- ① Shaft extension $\phi 42$ k6 x 110 with protected centre hole M16x36
- ② Relief groove E1x0.2 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility
- ⑤ 2 Nos. B.S.Conduit Entry 31.8 (1.25") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Eye Bolt position for V1 construction.
- ⑧ Eye Bolt position for B5 construction.
- ⑨ Blower Motor

Ⓣ Terminal Box Type : 1XB1 223
 suitable for max. cable conductor cross-section(mm²): 25,

(ab) DD suitable for B5/V1 construction as per ECN No. 500000003452 (RSA) Dt. 07.04.09
 (aa) DD suitable for B5 construction as per ECN No. 500000003256 (RSA) Dt. 18.02.09

F300B			IM-B5/V1	
Flange Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	Scale NTS
Checked	26.11.08	RSA/PK		
Std.CHD.	10.2.09	P. D. S.		
Dim. without tolerance as per Medium IS:2102		SIEMENS		Type: 1PQ0 163/164/16S-2..8
WMOT		DRG No. 4D-2716-69-0247173-001		ab
REF DRG NO. (4D-2716-64-0240450-001)				

15 APR 2009



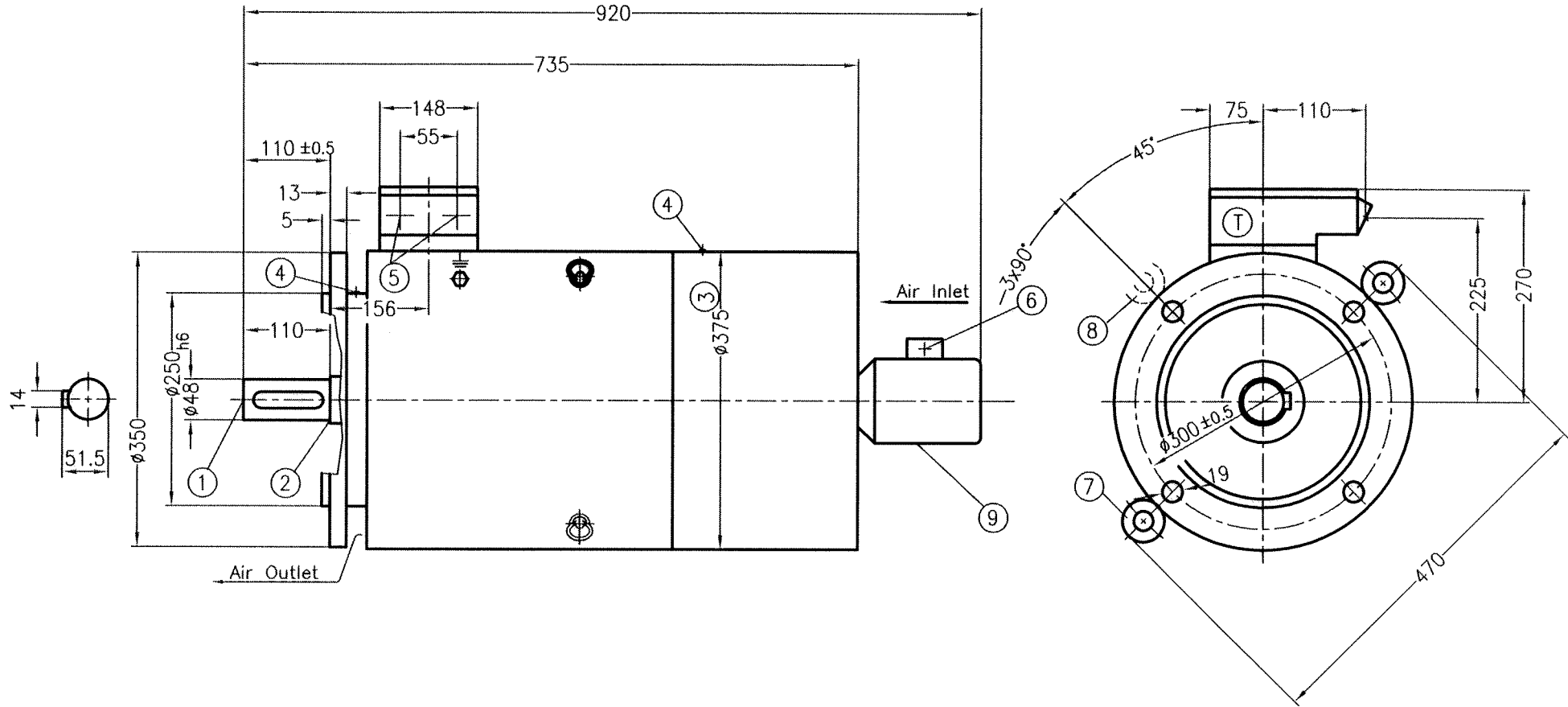
- ① Shaft extension $\phi 42_{k6} \times 110$ with protected centre hole M16x36
- ② Relief groove E1x0.2 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility
- ⑤ 2 Nos. B.S.Conduit Entry 31.8 (1.25") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Eye Bolt position for V1 construction.
- ⑧ Eye Bolt position for B5 construction.
- ⑨ Blower Motor

Ⓣ Terminal Box Type : 1XB1 223
 suitable for max. cable conductor cross-section(mm²): 25,

F300B			IM-B5/V1		
Flange Designation			Applicable for Construction		
Drawn	Date	Name	Dimensional Diagram		Scale
Checked	26.11.08	RSA-RS			NTS
Std.CHD.	10.2.09	SAC	Type:1PQ0 166-		
Dim. without tolerance as per Medium IS:2102		SIEMENS		DRG No.	
		WMOT		4D-2716-79-0247174-001	ab
				REF DRG NO.	(4D-2716-74-0240451-001)

(a) DD suitable for B5/V1 construction as per ECN No. 500000003452 (RSA) Dt. 07.04.09
 (a) DD suitable for B5 construction as per ECN No. 500000003256 (RSA) Dt. 18.02.09
 Amendment

15 APR 2009



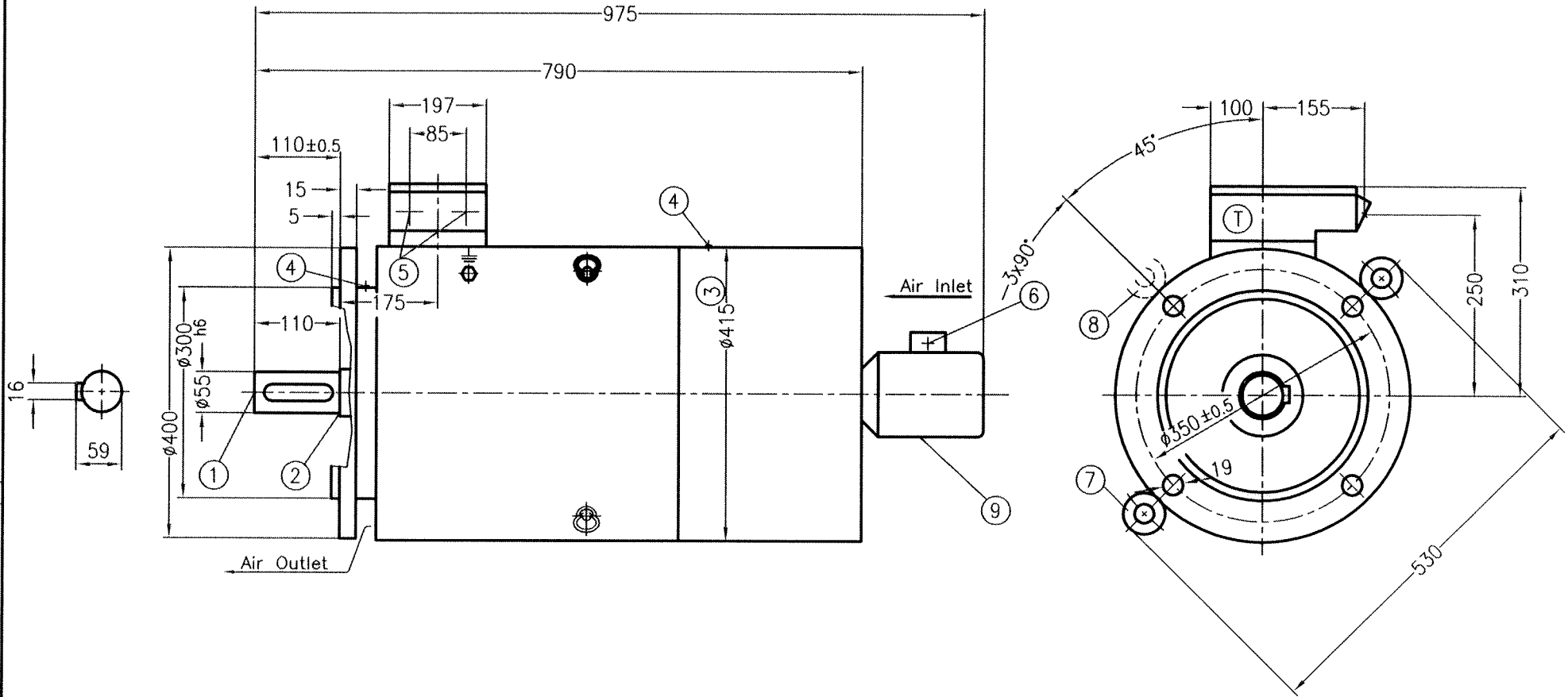
- ① Shaft extension $\phi 48_{k6} \times 110$ with protected centre hole M16x36
- ② Relief groove E1x0.2 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility
- ⑤ 2 Nos. B.S.Conduit Entry 31.8 (1.25") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Eye Bolt position for V1 construction.
- ⑧ Eye Bolt position for B5 construction.
- ⑨ Blower Motor

Ⓣ Terminal Box Type : 1XB1 223
 suitable for max. cable conductor cross-section(mm²): 25,

(a) DD suitable for B5/V1 construction as per ECN No. 500000003452 (RSA) Dt. 07.04.09
 (a) DD suitable for B5 construction as per ECN No. 500000003256 (RSA) Dt. 18.02.09

F300B			IM-B5/V1		
Flange Designation			Applicable for Construction		
Drawn	Date	Name		Dimensional Diagram Type: 1PQ0 18- DRG No. 4D-2718-69-0247175-001	Scale NTS
Checked	10.2.09	RSA-RS A			
Std. CHD:					
Dim. without tolerance as per Medium IS:2102			SIEMENS WMOT		REF DRG NO. (4D-2718-64-0240452-001)

15 APR 2009



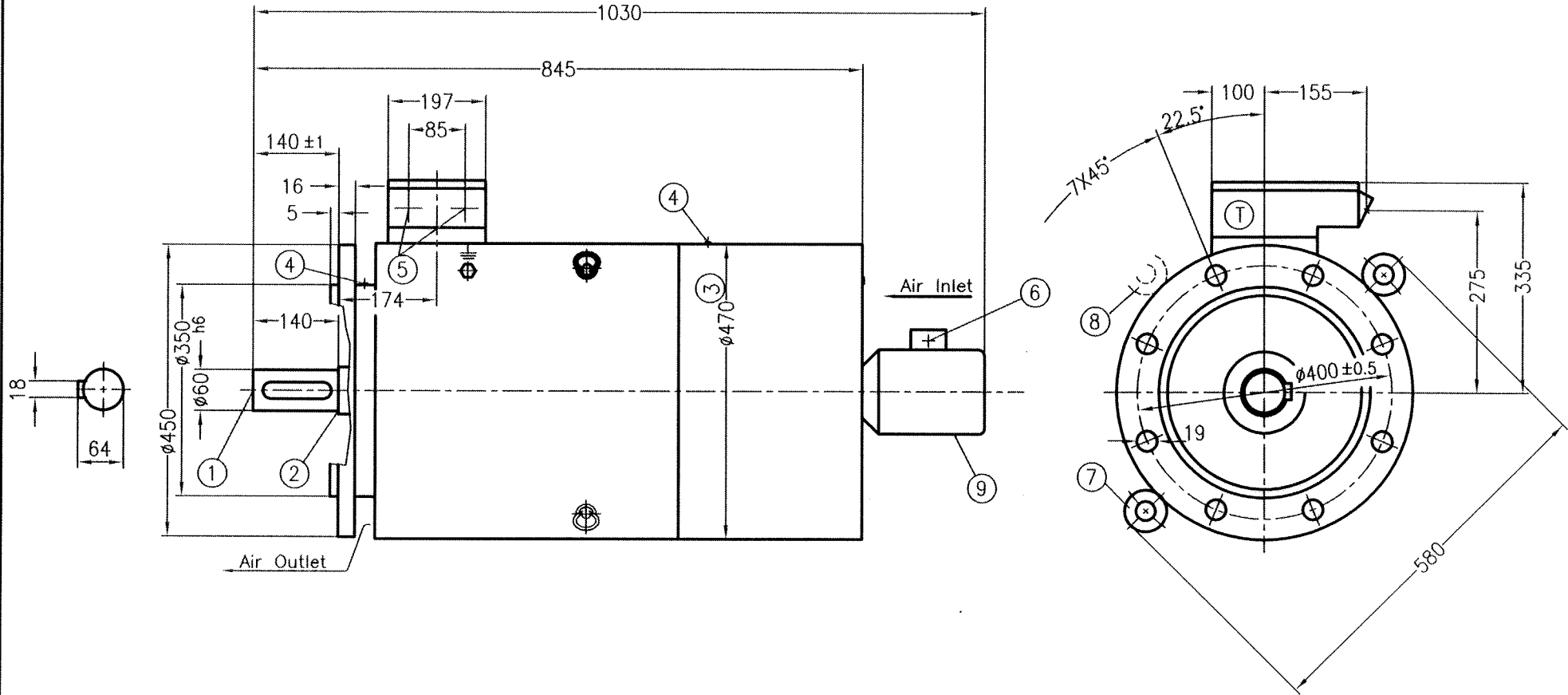
- ① Shaft extension $\phi 55_{m6} \times 110$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility
- ⑤ 2 Nos. B.S.Conduit Entry 51 (2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Eye Bolt position for V1 construction.
- ⑧ Eye Bolt position for B5 construction.
- ⑨ Blower Motor

Ⓣ Terminal Box Type : 1XB7 322
 suitable for max. cable conductor cross-section(mm²): 35,

(b) DD suitable for B5/V1 construction as per ECN No. 500000003452 (RSA) Dt. 07.04.09
 (c) DD suitable for B5 construction as per ECN No. 500000003256 (RSA) Dt. 18.02.09

F350B				IM-B5/V1	
Flange Designation				Applicable for Construction	
Drawn	Date	Name		Dimensional Diagram	
Checked	10.2.09	S.D.G.			
Std.CHD.				Type: 1PQ0 20-	Scale
Dim. without tolerance as per Medium IS:2102			SIEMENS	DRG No. 4D-2720-69-0247176-001 ab	
			WMOT	REF DRG NO. (4D-2720-64-0240453-001)	

15 APR 2009



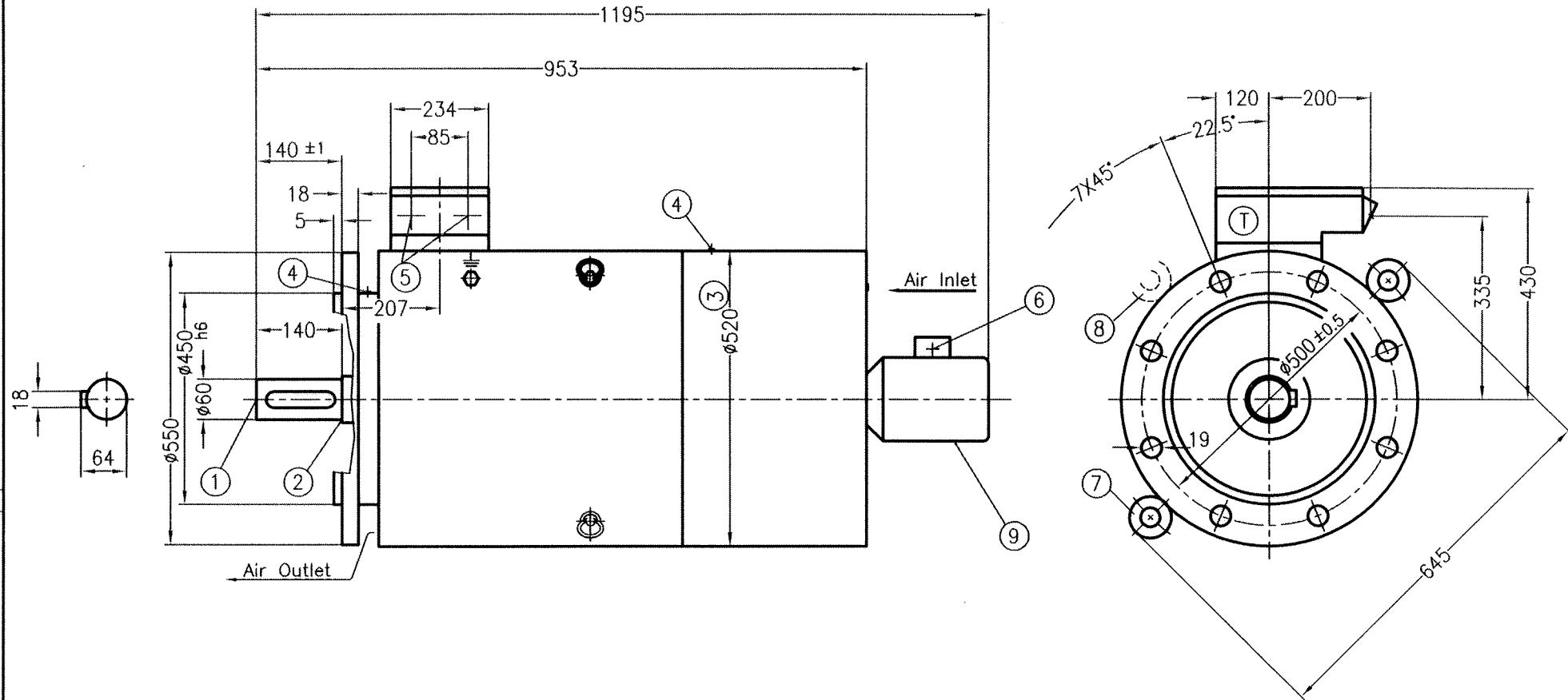
- ① Shaft extension $\phi 60_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility
- ⑤ 2 Nos. B.S.Conduit Entry 51 (2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Eye Bolt position for V1 construction.
- ⑧ Eye Bolt position for B5 construction.
- ⑨ Blower Motor

Ⓣ Terminal Box Type : 1XB7 322
suitable for max. cable conductor cross-section(mm²): 35,

F400B			IM-B5/V1		
Flange Designation			Applicable for Construction		
Drawn	Date	Name	Dimensional Diagram		Scale NTS
Checked	10.2.09	RSA/RSC			
Std.CHD.			Type: 1PQ0 22-4..8		
Dim. without tolerance as per Medium IS:2102			DRG No. 4D-2722-99-0247178-001 ab		
WMOT			REF DRG NO. (4D-2722-94-0240458-001)		

(ab) DD suitable for B5/V1 construction as per ECN No. 500000003452 (RSA) Dt. 07.04.09
 (ac) DD suitable for B5 construction as per ECN No. 500000003256 (RSA) Dt. 18.02.09
 Amendment

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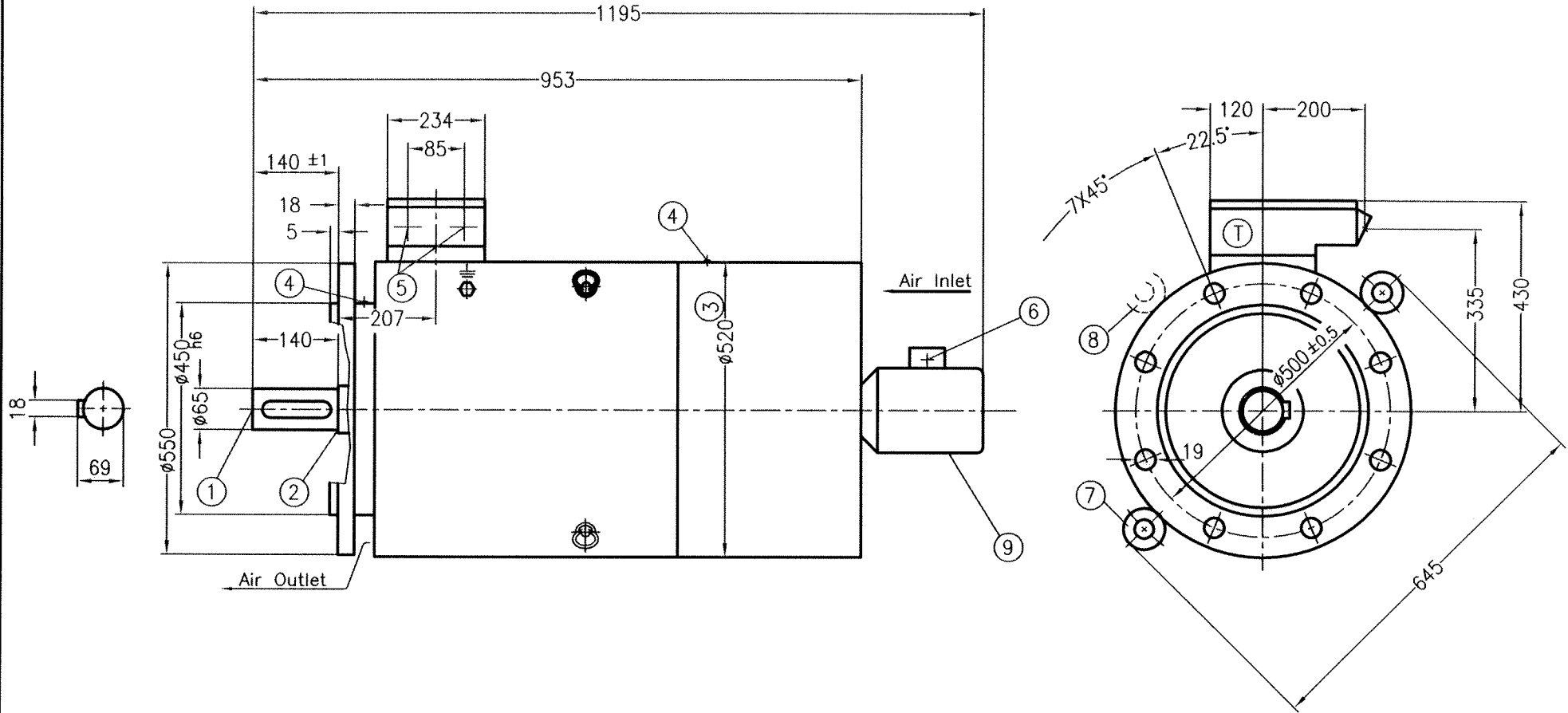
- ① Shaft extension $\phi 60_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 51 (2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Eye Bolt position for V1 construction.
- ⑧ Eye Bolt position for B5 construction.
- ⑨ Blower Motor

Ⓣ Terminal Box Type : 1XB7 422
suitable for max. cable conductor cross-section(mm²): 120

F500B				IM-B5/V1	
Flange Designation				Applicable for Construction	
Drawn	Date	Name		Dimensional Diagram	
Checked	10/2/09	S.D.K.			
Std.CHD.				Type: 1PQ0 25-2	Scale
Dim. without tolerance as per Medium IS:2102			SIEMENS	DRG No. 4D-2725-89-0247179-001 ab	
			WMOT	REF DRG NO. (4D-2725-84-0240455-001)	

(ab) DD suitable for B5/V1 construction as per ECN No. 500000003452 (RSA) Dt. 07.04.09
 (oo) DD suitable for B5 construction as per ECN No. 500000003256 (RSA) Dt. 18.02.09
 Amendment

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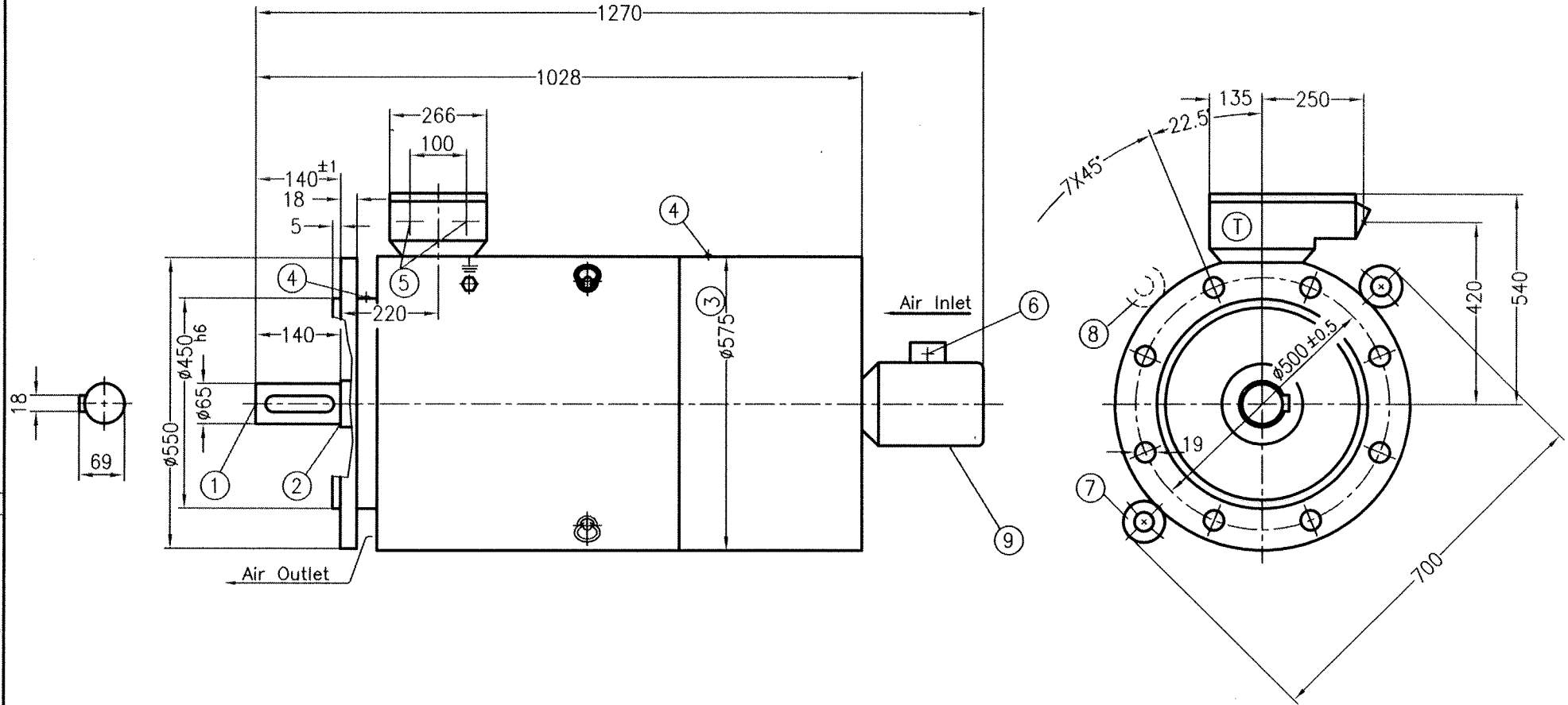
- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 51(2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Eye Bolt position for V1 construction.
- ⑧ Eye Bolt position for B5 construction.
- ⑨ Blower Motor

Ⓣ Terminal Box Type : 1XB7 422
 suitable for max. cable conductor cross-section(mm²): 120

(ab) DD suitable for B5/V1 construction as per ECN No. 500000003462 (RSA) DL 07.04.09
 (aa) DD suitable for B5 construction as per ECN No. 500000003256 (RSA) DL 18.02.09
 Amendment

F500B			IM-B5/V1	
Flange Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram Type: 1PQ0 25-4..8 DRG No. 4D-2725-99-0247180-001 ab REF DRG NO. (3D-2725-94-0240459-001)	
Checked	10/20/09	RSA		
Std.CHD.		SDE		
Dim. without tolerance as per Medium IS:2102			Scale NTS 	
SIEMENS WMOT				

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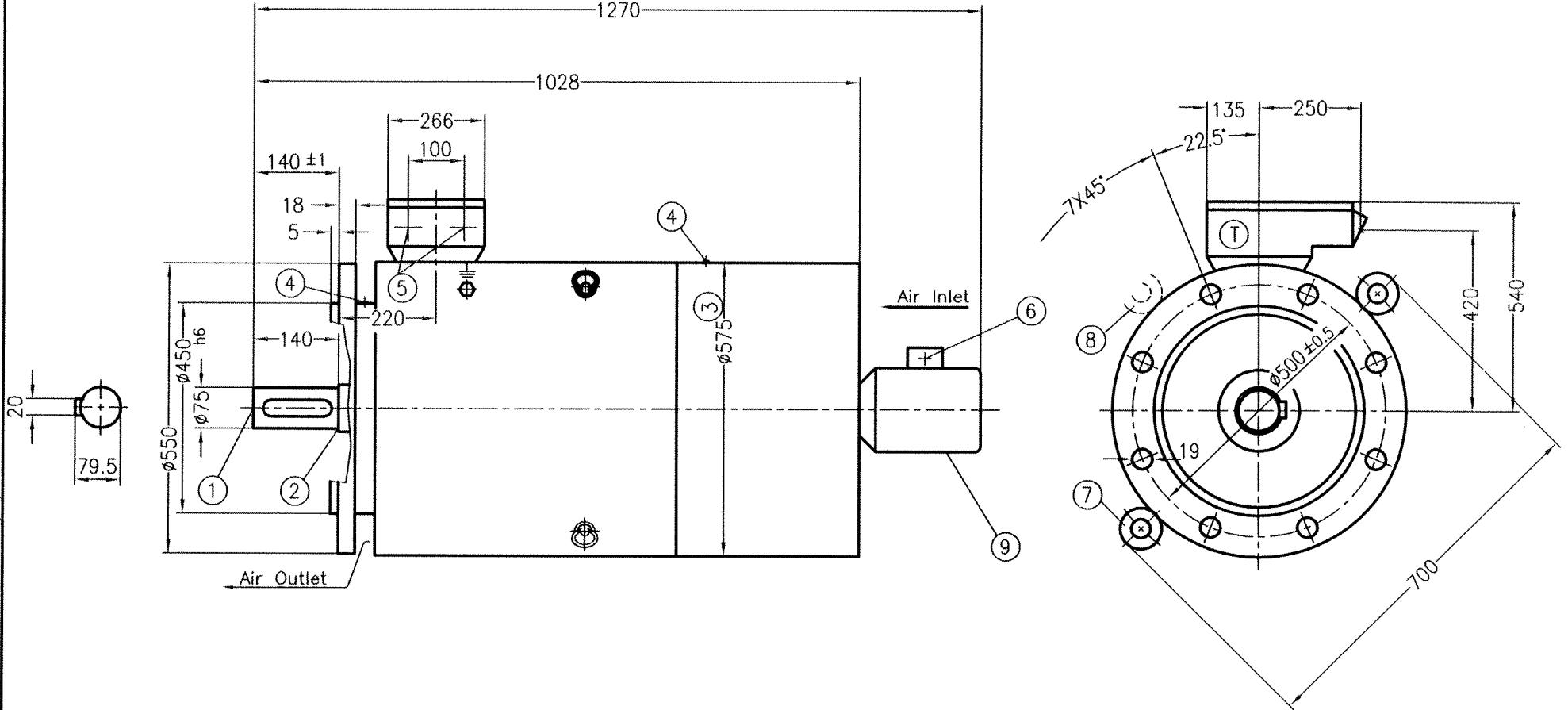
- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Eye Bolt position for V1 construction.
- ⑧ Eye Bolt position for B5 construction.
- ⑨ Blower Motor

Ⓣ Terminal Box Type : 1XB7 522
suitable for max. cable conductor cross-section(mm²): 240

F500B				IM-B5/V1	
Flange Designation				Applicable for Construction	
Drawn	Date	Name		Dimensional Diagram	
Checked	26.11.08	RSA			
Std.CHD.	10.2.09	S.S.R.		Type: 1PQ0 28-2	Scale
Dim. without tolerance as per Medium IS:2102			SIEMENS	DRG No. 4D-2728-8930-0247181-001 ^{ab}	
			WMOT	REF DRG NO. (3D-2728-8430-0241597-001)	

(a) DD suitable for B5/V1 construction as per ECN No. 500000003452 (RSA) Dt. 07.04.09
 (aa) DD suitable for B5 construction as per ECN No. 500000003256 (RSA) Dt. 18.02.09
 Amendment

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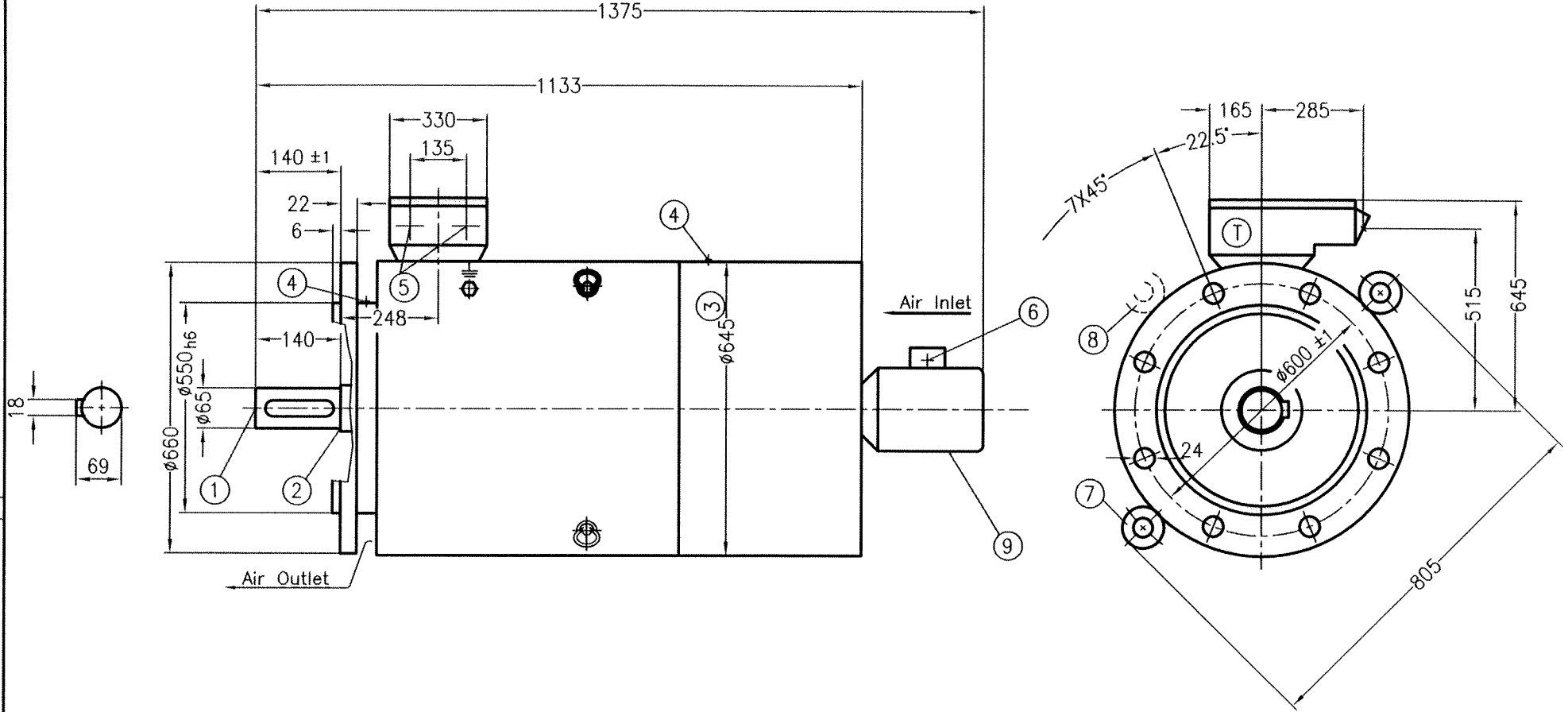
- ① Shaft extension $\text{Ø}75_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Eye Bolt position for V1 construction.
- ⑧ Eye Bolt position for B5 construction.
- ⑨ Blower Motor

Ⓣ Terminal Box Type : 1XB7 522
suitable for max. cable conductor cross-section(mm²): 240

Amendment
(a) DD suitable for B5/V1 construction as per ECN No. 500000003452 (RSA) Dt. 07.04.09
(aa) DD suitable for B5 construction as per ECN No. 500000003256 (RSA) Dt. 18.02.09

F500B			IM-B5/V1	
Flange Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	10.2.09	S.P.C.		
Std.CHD.			Type: 1PQ0 28-4..8	Scale NTS
Dim. without tolerance as per Medium IS:2102			SIEMENS	
WMOT			DRG No. 4D-2728-9930-0247182-001	
			REF DRG NO. (4D-2728-9430-0241596-001)	

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- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Eye Bolt position for V1 construction.
- ⑧ Eye Bolt position for B5 construction.
- ⑨ Blower Motor

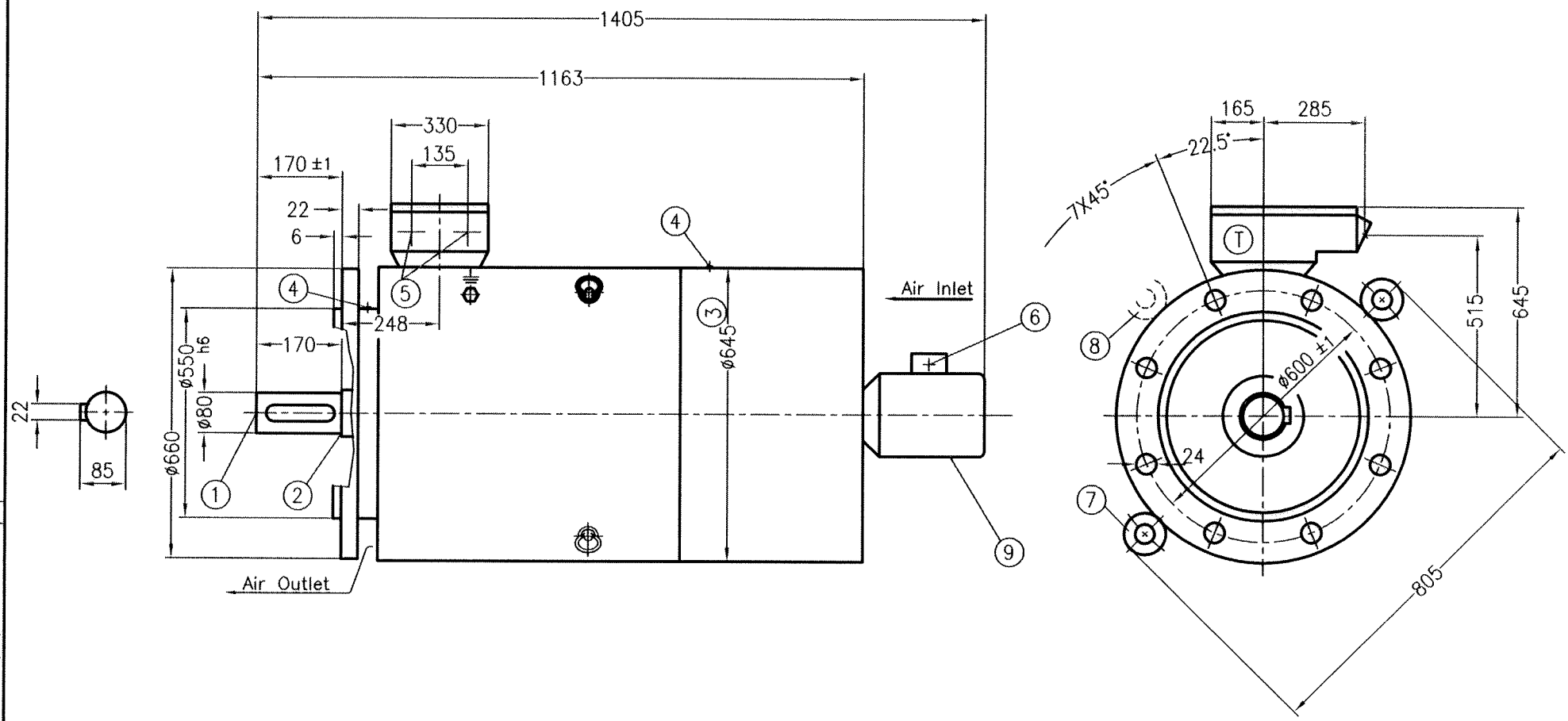
⑩ Terminal Box Type : 1XB7 622
 suitable for max. cable conductor cross-section(mm²): 300

(a) DD suitable for B5/V1 construction as per ECN No. 500000003452 (RSA) Dt. 07.04.09
 (a) DD suitable for B5 construction as per ECN No. 500000003256 (RSA) Dt. 26.02.09

Amendment

F600B				IM-B5/V1	
Flange Designation				Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram Type: 1PQ0 310/31314-2 DRG No. 4D-2731-8930-0247183-001 REF DRG NO. (4D-2731-8430-0241599-001)		
Checked	26.11.08	RSA			
Std.CHD.	10.2.09	SRJ			
Dim. without tolerance as per Medium IS:2102			SIEMENS		Scale NTS
WMOT			REF DRG NO. (4D-2731-8430-0241599-001)		

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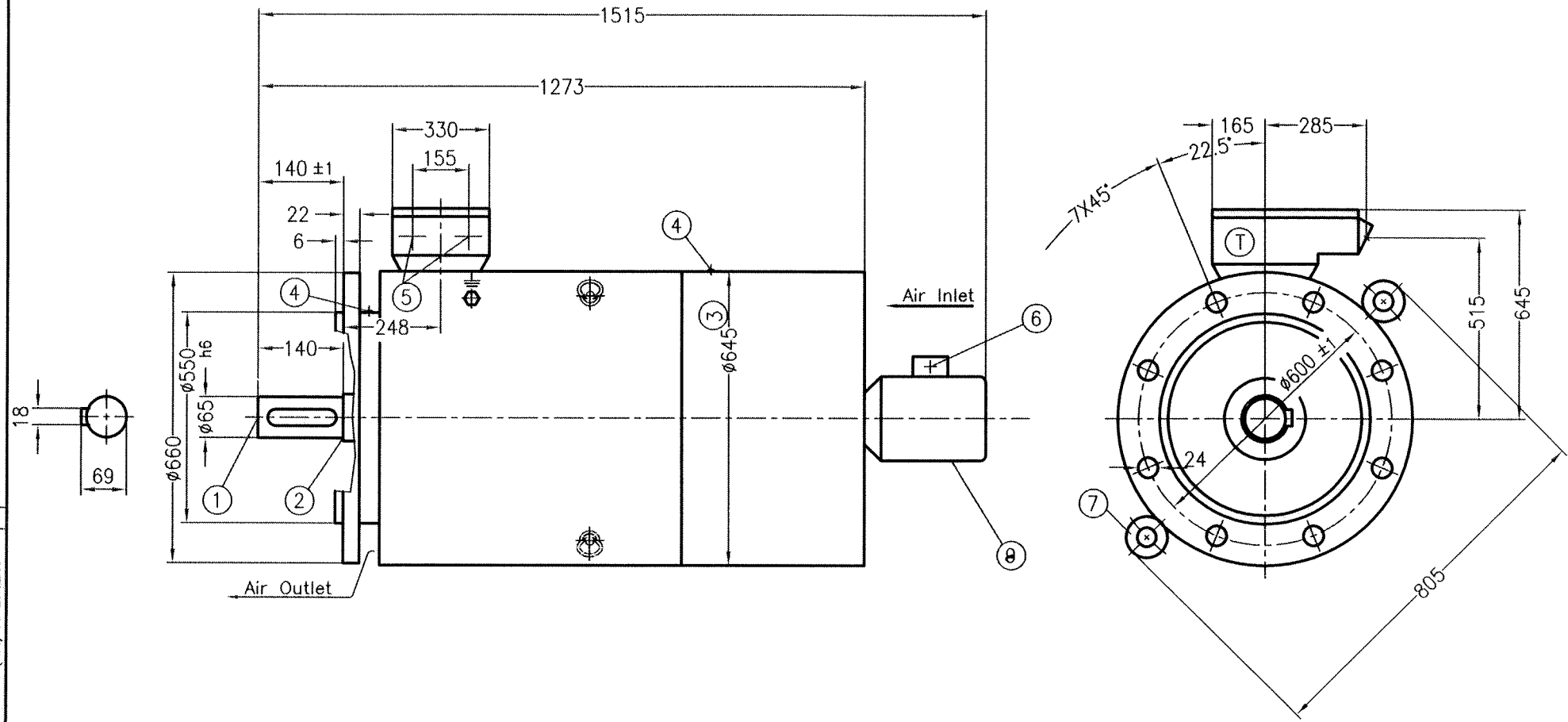
- ① Shaft extension $\varnothing 80_{m6} \times 170$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Eye Bolt position for V1 construction.
- ⑧ Eye Bolt position for B5 construction.
- ⑨ Blower Motor

Ⓣ Terminal Box Type : 1XB7 622
 suitable for max. cable conductor cross-section(mm²): 300

(ab) DD suitable for B5/V1 construction as per ECN No. 500000003452 (RSA) Dt. 07.04.09
 (ac) DD suitable for B5 construction as per ECN No. 500000003256 (RSA) Dt. 26.02.09
 Amendment

F600B				IM-B5/V1	
Flange Designation				Applicable for Construction	
Drawn	Date	Name		Dimensional Diagram Type: 1PQ0 310/1/3/4-4..8	
Checked	26.11.08	RSA TLR			
Std.CHD.	10.2.09	SAL		DRG No. 4D-2731-9930-0247184-001	Scale
Dim. without tolerance as per Medium IS:2102			SIEMENS		REF DRG NO. (4D-2731-9430-0241600-001)
			WMOT		

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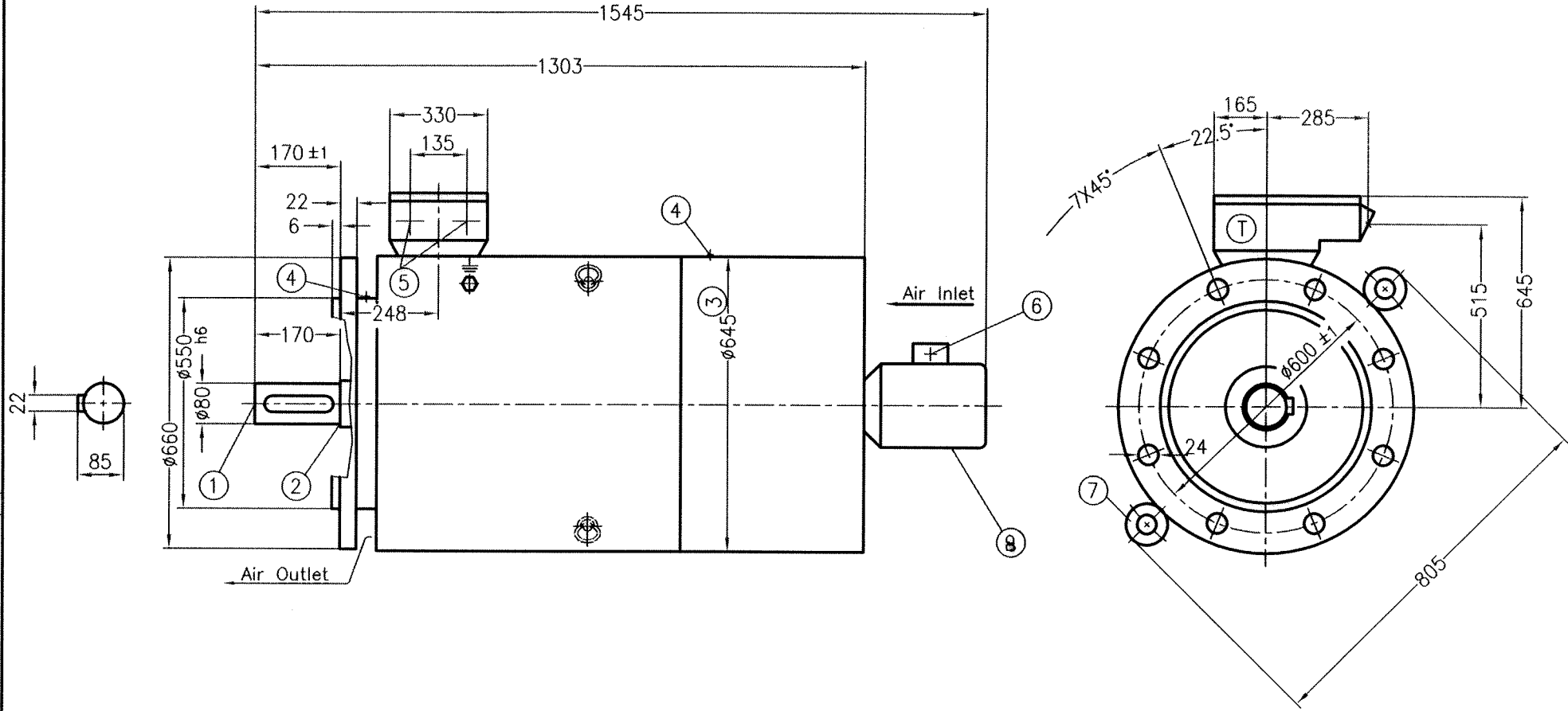
- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Eye Bolt position for V1 construction.
- ⑧ Blower Motor

Ⓣ Terminal Box Type : 1XB7 622
suitable for max. cable conductor cross-section(mm²): 300

amendment
 (a) DD suitable for V1 construction as per ECN No. 500000003452 (RSA) Dt. 07.04.09
 (b) DD suitable for B5 construction as per ECN No. 500000003256 (RSA) Dt. 26.02.09

F600B			IM-V1		
Flange Designation			Applicable for Construction		
Drawn	Date	Name	Dimensional Diagram		Scale
Checked	26.11.08	RSA	Type: 1PQO 316/7/8/9 - 2		NTS
Std.CHD.	10.2.09	EDC	DRG No. 4D-2731-6930-0247185-001		
Dim. without tolerance as per Medium IS:2102		SIEMENS WMOT		REF DRG NO. (4D-2731-6430-0241601-001)	

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- ① Shaft extension $\phi 80_{m6}$ x 170 with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Eye Bolt position for V1 construction.
- ⑧ Blower Motor

Ⓣ Terminal Box Type : 1XB7 622
 suitable for max. cable conductor cross-section(mm²): 300

(a) DD suitable for V1 construction as per ECN No. 500000003452 (RSA) Dt. 07.04.09
 (ac) DD suitable for B5 construction as per ECN No. 500000003256 (RSA) Dt. 26.02.09

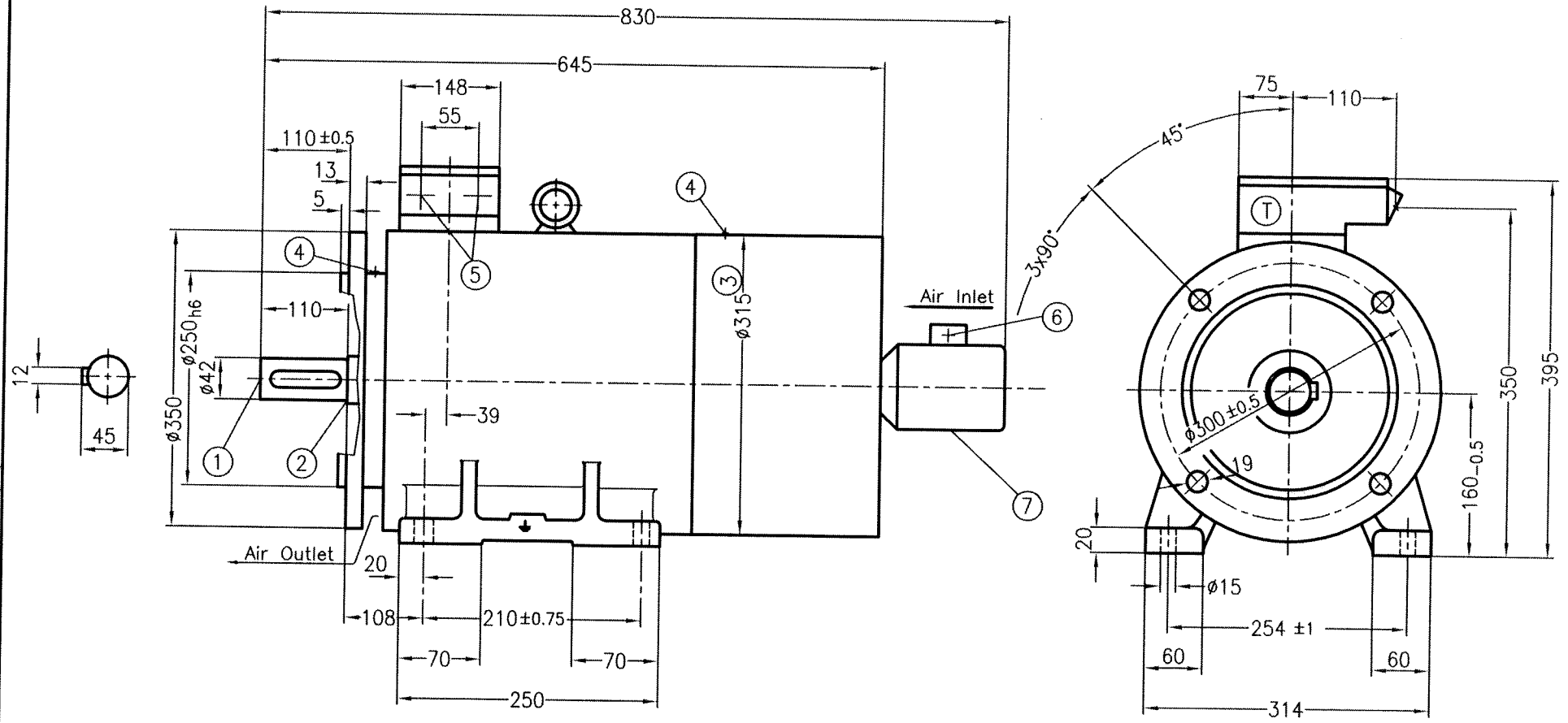
F600B			IM-V1	
Flange Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	26.11.08	RSA RSJ		
Std.CHD.	12.09	SJC	Type: 1PQ0 316/7/8/9-4-8	Scale NTS
Dim. without tolerance as per Medium IS:2102			SIEMENS DRG No. 4D-2731-7930-0247186-001 WMOT REF DRG NO. (4D-2731-7430-0241602-001)	

Annexure - VI

Dimensional Diagrams for 1PQ0 Motors

Frames 160M – 315L – IMB35 - T.Box on TOP

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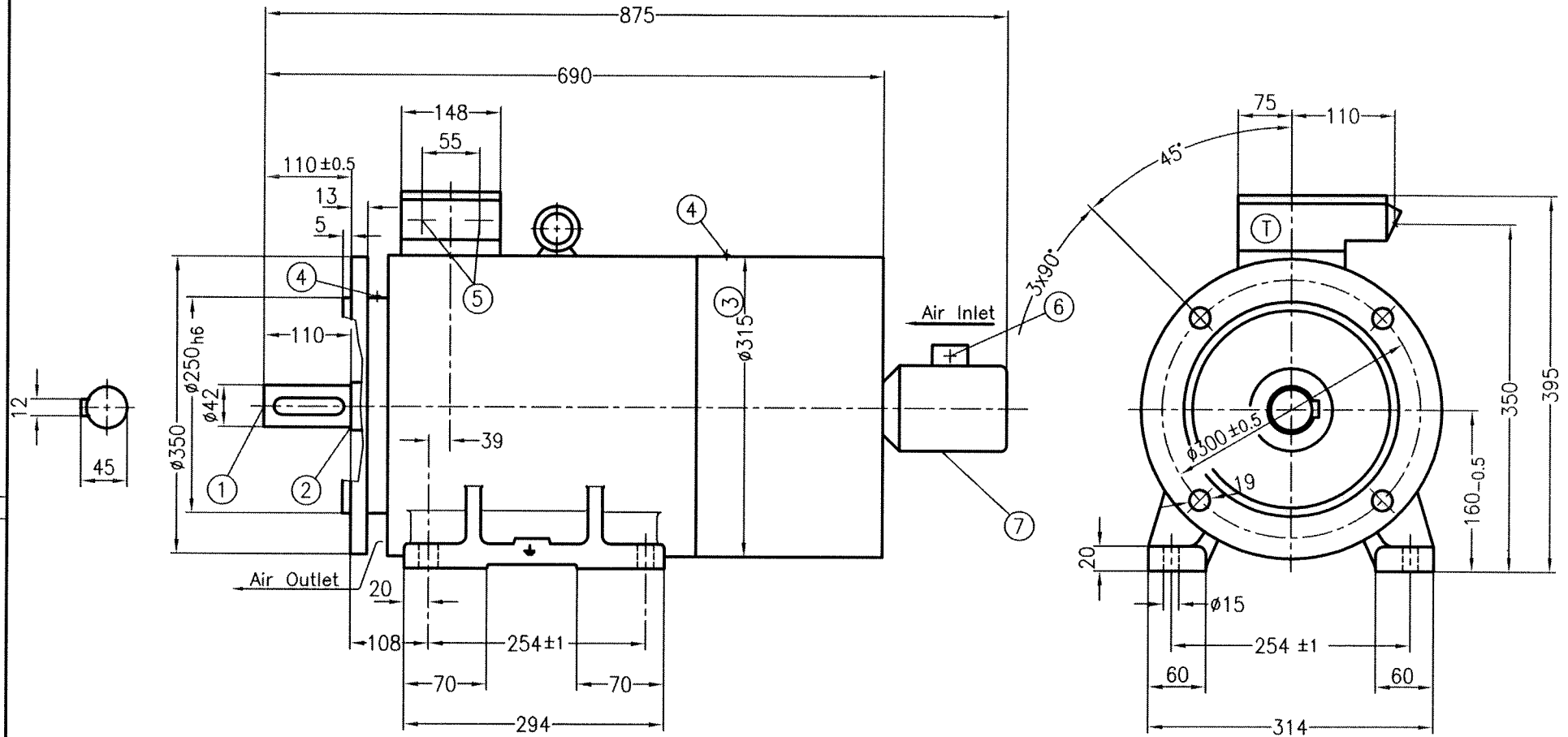
- ① Shaft extension $\phi 42_{k6} \times 110$ with protected centre hole M16x36
- ② Relief groove E1x0.2 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility
- ⑤ 2 Nos. B.S.Conduit Entry 31.8 (1.25") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓧ Terminal Box Type : 1XB1 223
 suitable for max. cable conductor cross-section(mm²): 25,

160M-F300B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	24.11.08	RSA P...		
Std.CHD.	12.08	...		
Dim. without tolerance as per Medium IS:2102			Type:1PQ0 163/164/165-2...8	Scale NTS
SIEMENS			DRG No.	
WMOT			4D-2716-67-0247251-001	
			REF DRG NO.	(4D-2716-62-0240422-001)

Amendment

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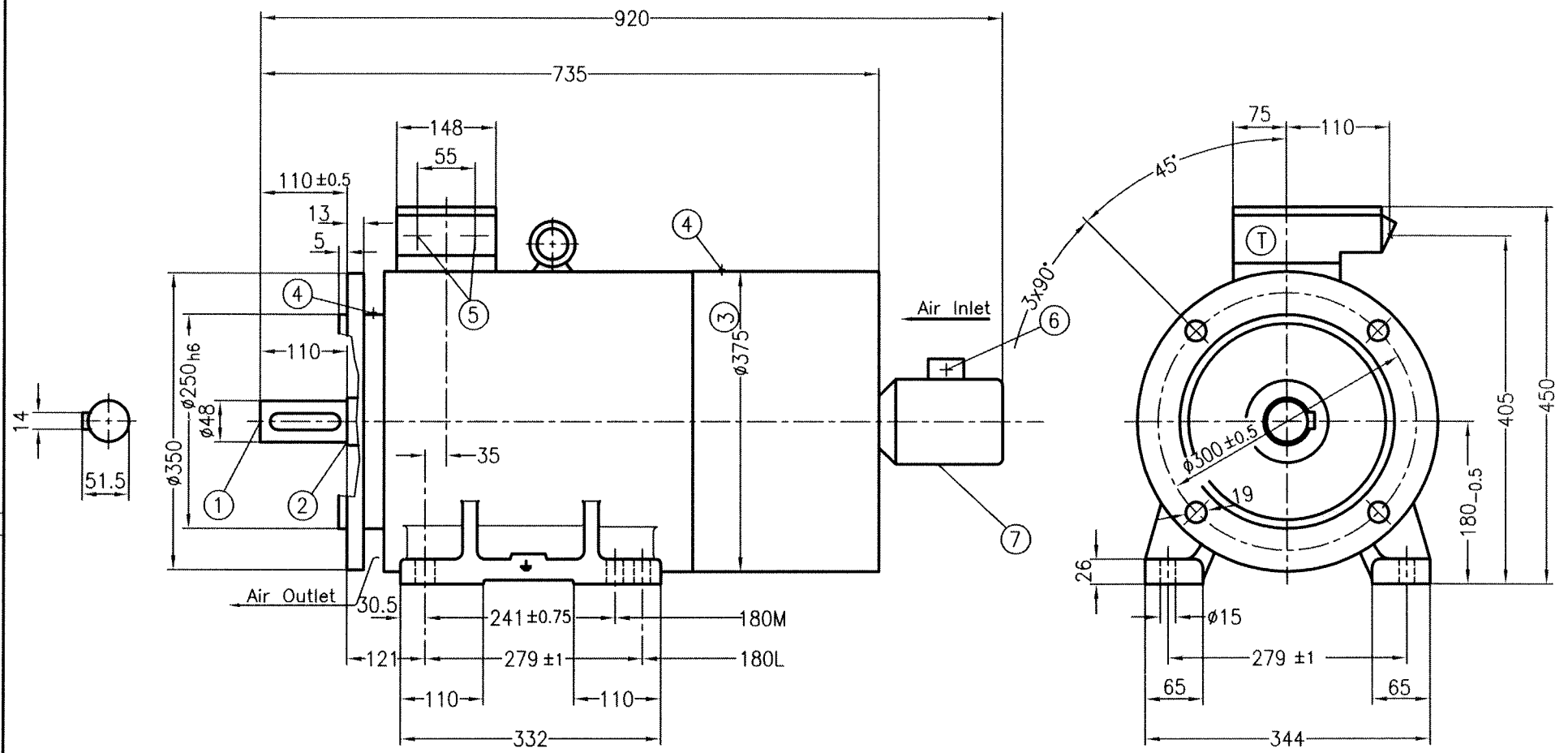


- ① Shaft extension $\phi 42_{k6} \times 110$ with protected centre hole M16x36
- ② Relief groove E1x0.2 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility
- ⑤ 2 Nos. B.S.Conduit Entry 31.8 (1.25") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB1 223
 suitable for max. cable conductor cross-section(mm²): 25,

160L-F300B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	24.11.08	RSA		
Std.CHD.	20.08	SPK		
Dim. without tolerance as per Medium IS:2102			Type: 1PQ0 166-2...8	
SIEMENS			DRG No.	
WMOT			4D-2716-77-0247252-001	
			REF DRG NO. (4D-2716-72-0240423-001)	
			Scale NTS	

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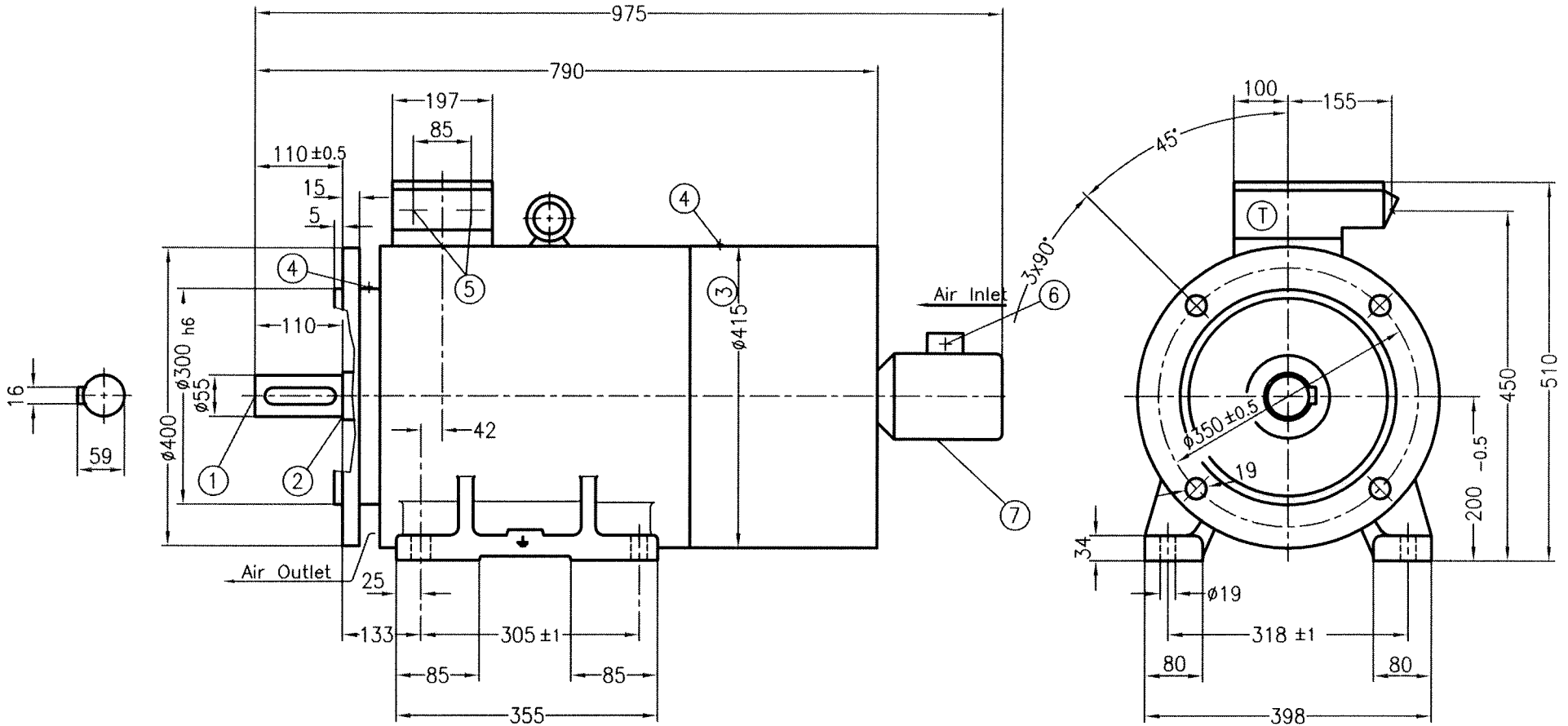


- ① Shaft extension $\phi 48_{k6} \times 110$ with protected centre hole M16x36
- ② Relief groove E1x0.2 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility
- ⑤ 2 Nos. B.S.Conduit Entry 31.8 (1.25") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB1 223
 suitable for max. cable conductor cross-section(mm²): 25,

180M/180L-F300B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	24.11.08	RSA		
Std.CHD.	10-02-08	IPD	Type: 1PQ0 18-	
Dim. without tolerance as per Medium IS:2102			DRG No. 4D-2718-67-0247253-001	
SIEMENS			REF DRG NO. (4D-2718-62-0240424-001)	
WMOT			Scale NTS	

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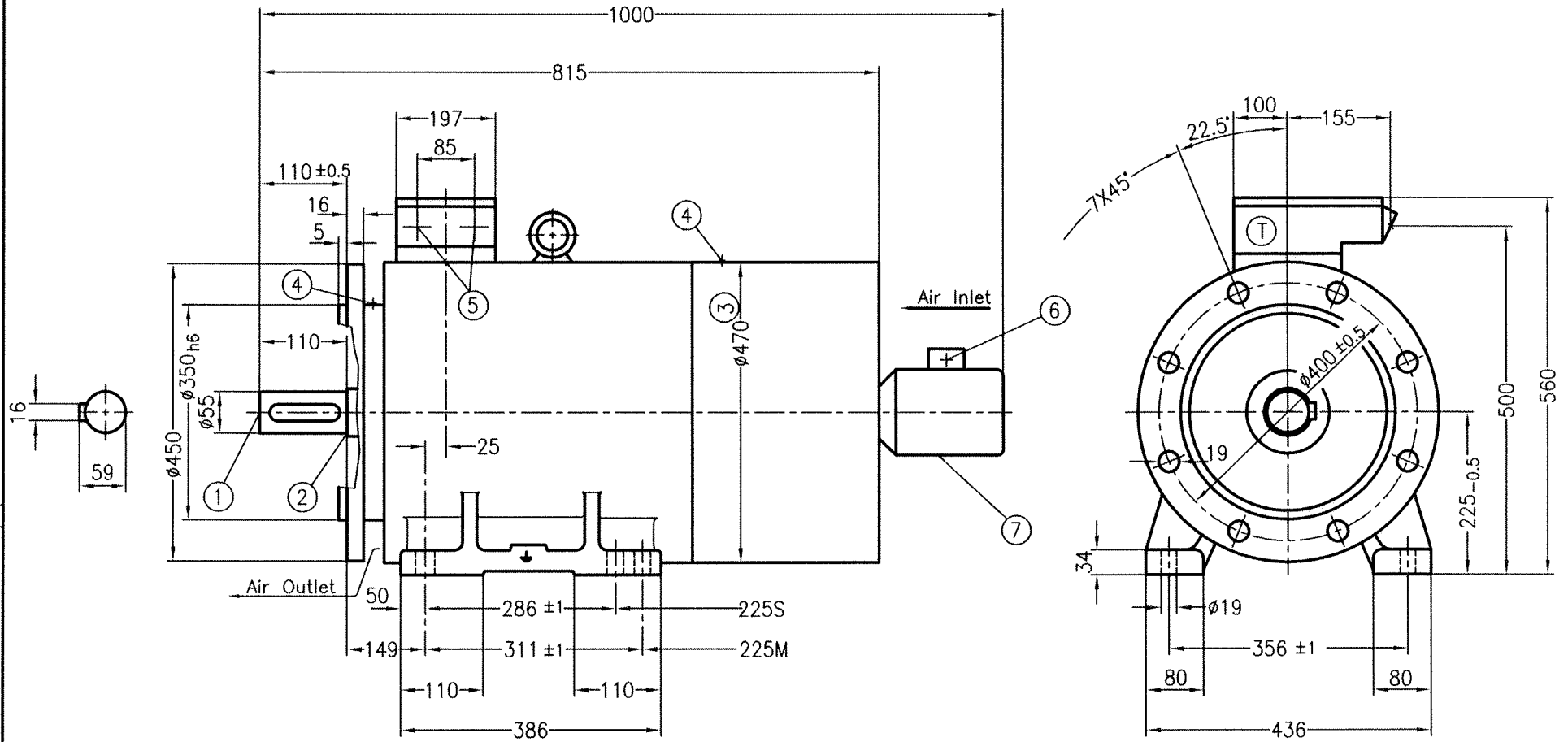
- ① Shaft extension $\phi 55$ m6 x 110 with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility
- ⑤ 2 Nos. B.S.Conduit Entry 51 (2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 322
suitable for max. cable conductor cross-section(mm²): 35,

200L-F350B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	24.11.08	RSA P.P.		
Std. CHD	20.02.08	SPK	Type: 1PQ0 20-	Scale NTS
Dim. without tolerance as per Medium IS:2102			DRG No. 4D-2720-67-0247254-001	
SIEMENS WMOT			REF DRG NO. (4D-2720-62-0240425-001)	

Amendment

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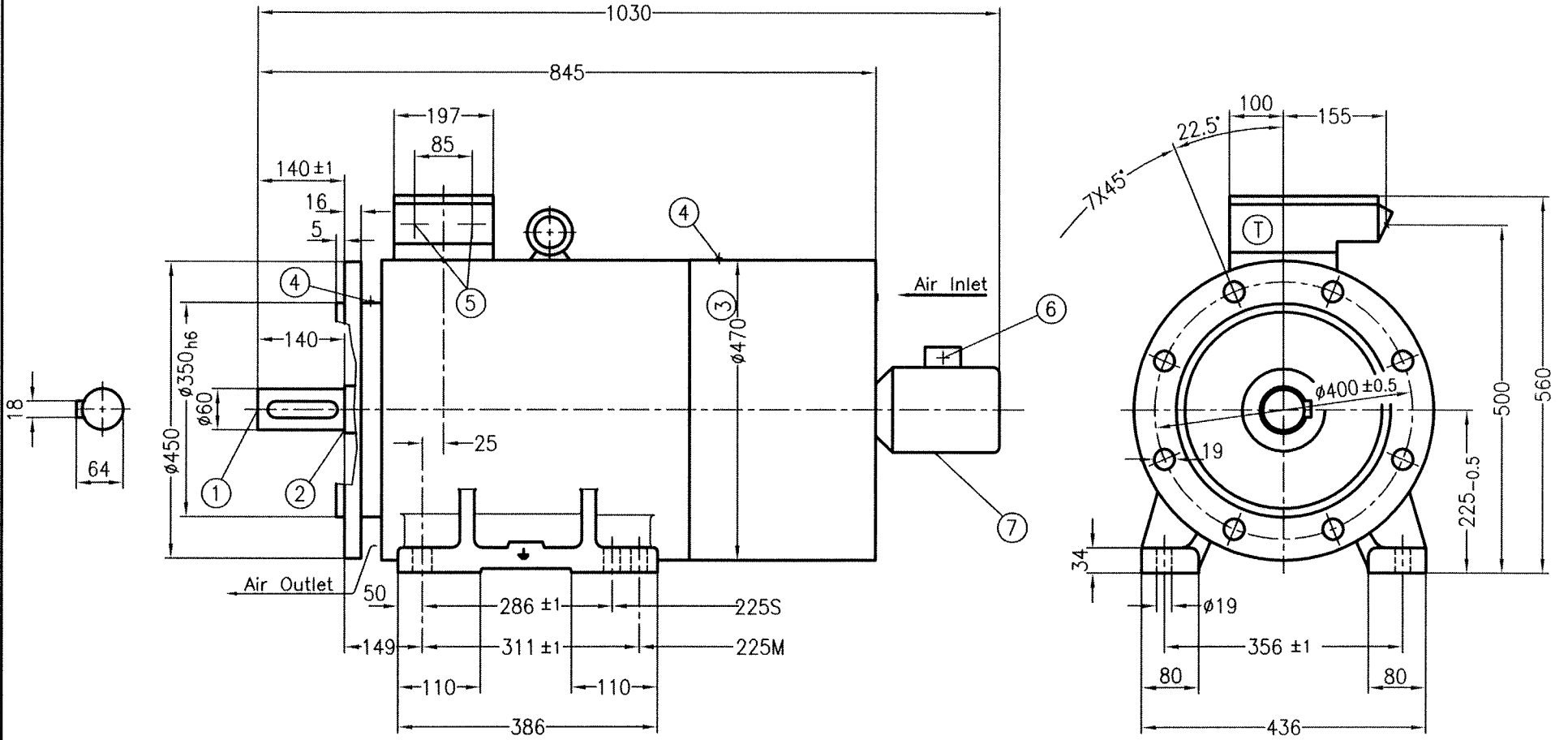
- ① Shaft extension $\phi 55_{m6} \times 110$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility
- ⑤ 2 Nos. B.S.Conduit Entry 51 (2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 322
 suitable for max. cable conductor cross-section(mm²): 35'

225S / 225M-F400B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	Std. CHD.			
Type: 1PQO 22-2 DRG No. 4D-2722-87-0247255-001 REF DRG NO. (4D-2722-82-0240426-001)				
Dim. without tolerance as per Medium IS:2102 SIEMENS WMOT			Scale NTS	

Amendment

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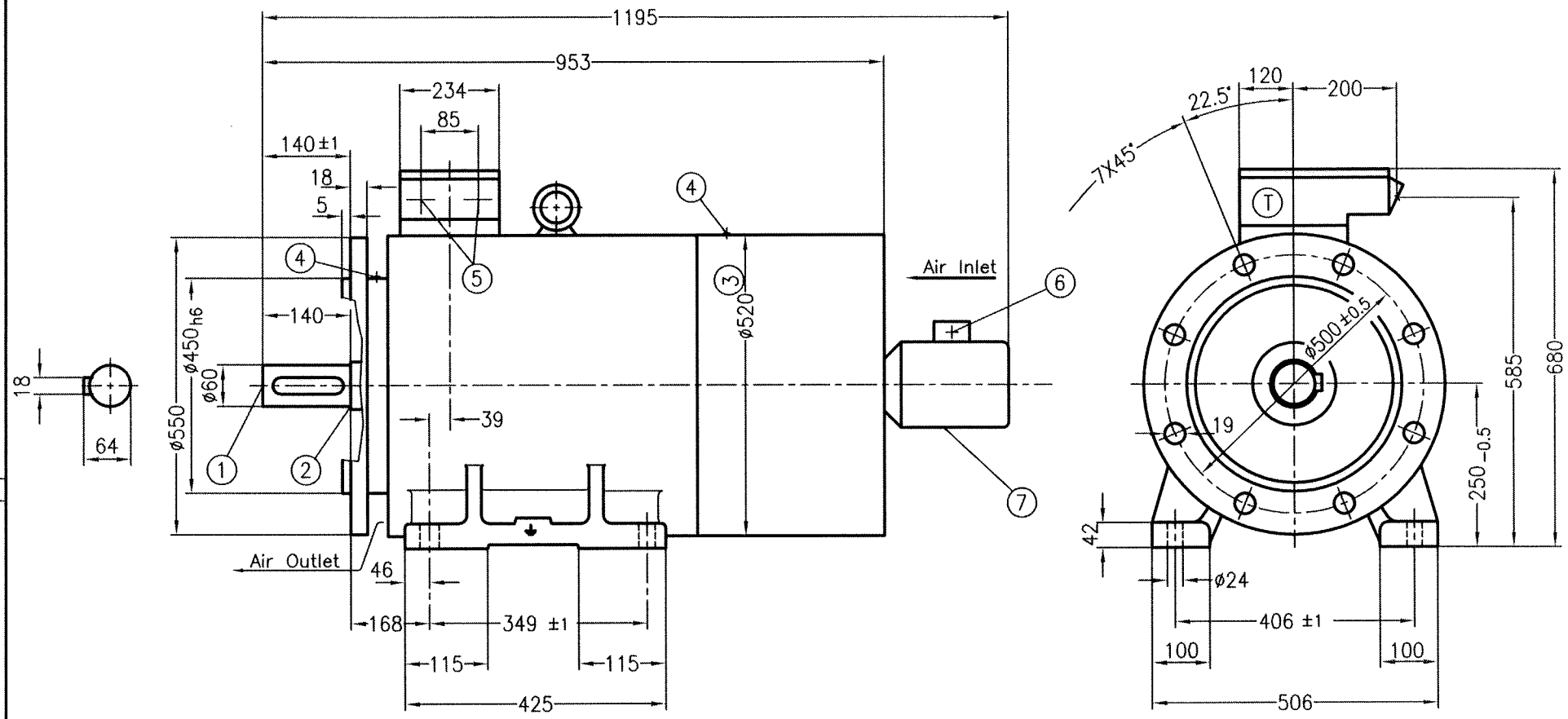
- ① Shaft extension $\phi 60_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility
- ⑤ 2 Nos. B.S.Conduit Entry 51 (2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 322
 suitable for max. cable conductor cross-section(mm²): 35,

225S / 225M-F400B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	24.11.08	RSA/PS		
Std.CHD.	07.2.09	DIC		
Dim. without tolerance as per Medium IS:2102			Type: 1PQ0 22-4..8	
SIEMENS			DRG No. 4D-2722-97-0247256-001	
WMOT			REF DRG NO. (4D-2722-92-0240430-001)	
			Scale NTS	

Amendment

11 FEB 2009



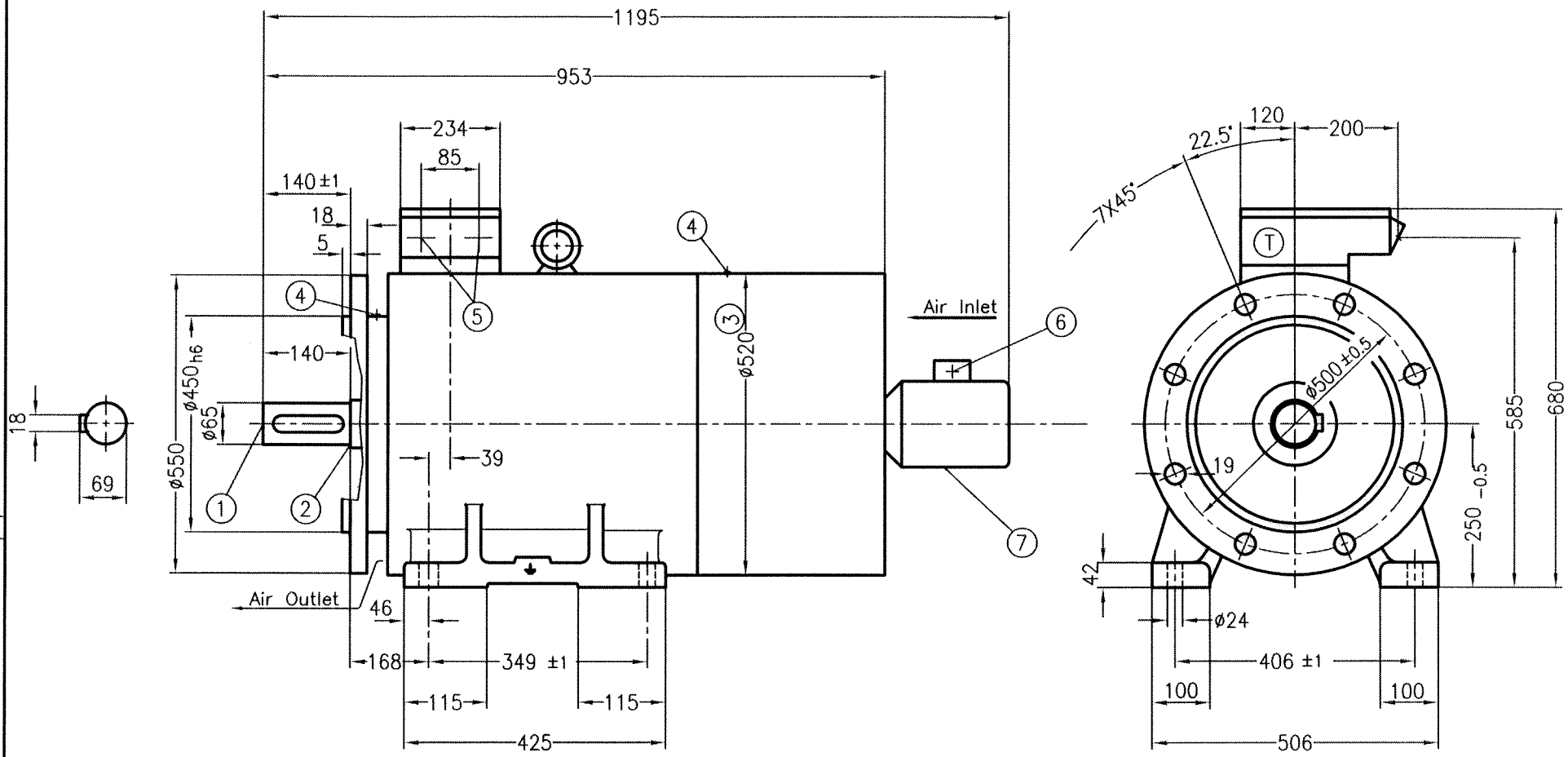
(T) Terminal Box Type : 1XB7 422
 suitable for max. cable conductor cross-section(mm²): 120

- ① Shaft extension $\phi 60_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 51 (2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

250M-F500B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	Scale NTS
Checked	10-2-09	RSA		
Std.CHD.				
Dim. without tolerance as per Medium IS:2102			Type: 1PQ0 253-2	
SIEMENS			DRG No. 4D-2725-87-0247257-001	
WMOT			REF DRG NO. (4D-2725-82-0240427-001)	

Amendment

11 FEB 2009

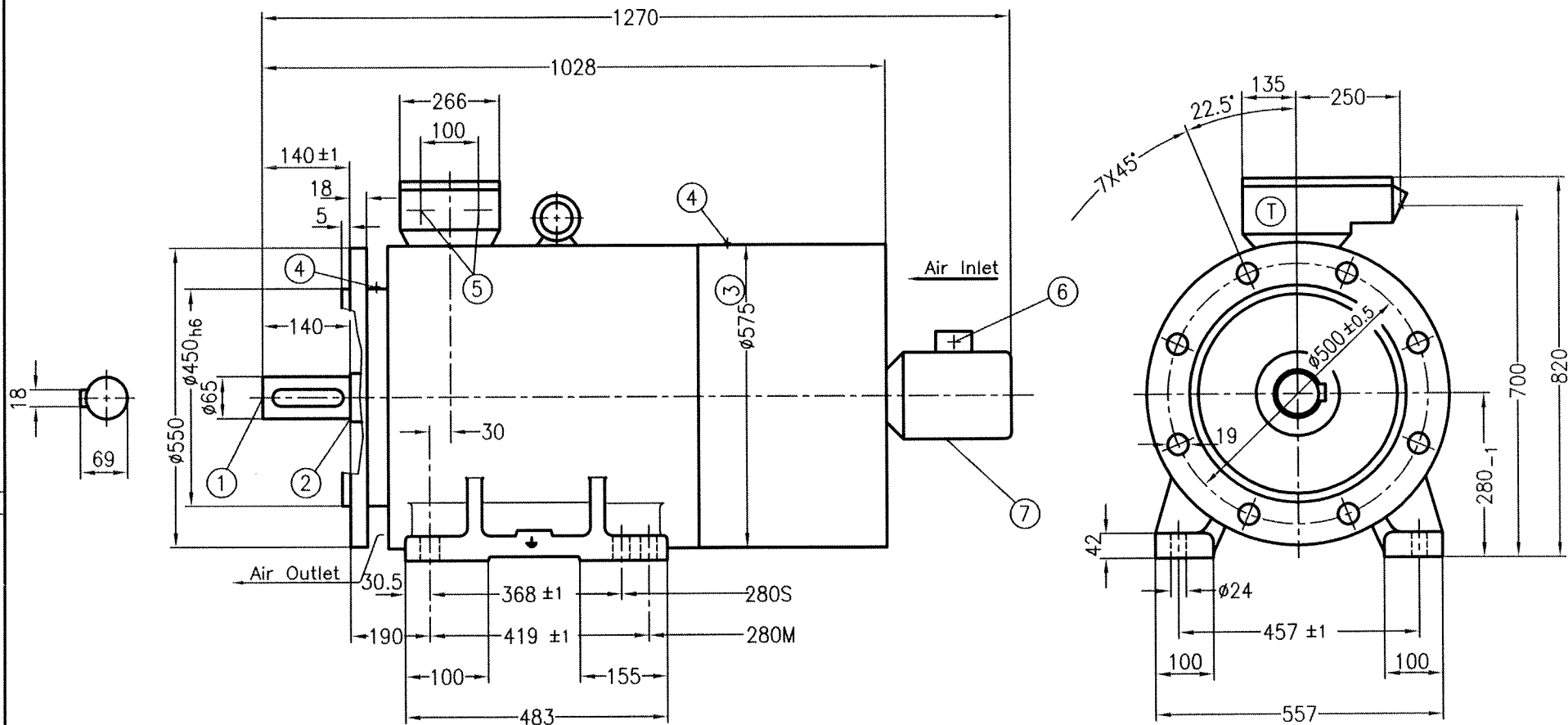


Ⓣ Terminal Box Type : 1XB7 422
 suitable for max. cable conductor cross-section(mm²): 120

- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 51 (2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

250M-F500B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram Type: 1PQ0 25-4..8 DRG No. 4D-2725-97-0247258-001 REF DRG NO. (4D-2725-92-0240431-001)	
Checked	24.11.08	RSA		
Std.CHD.	10.2.09	SDE		
Dim. without tolerance as per Medium IS:2102			WMOT	Scale NTS

11 FEB 2009

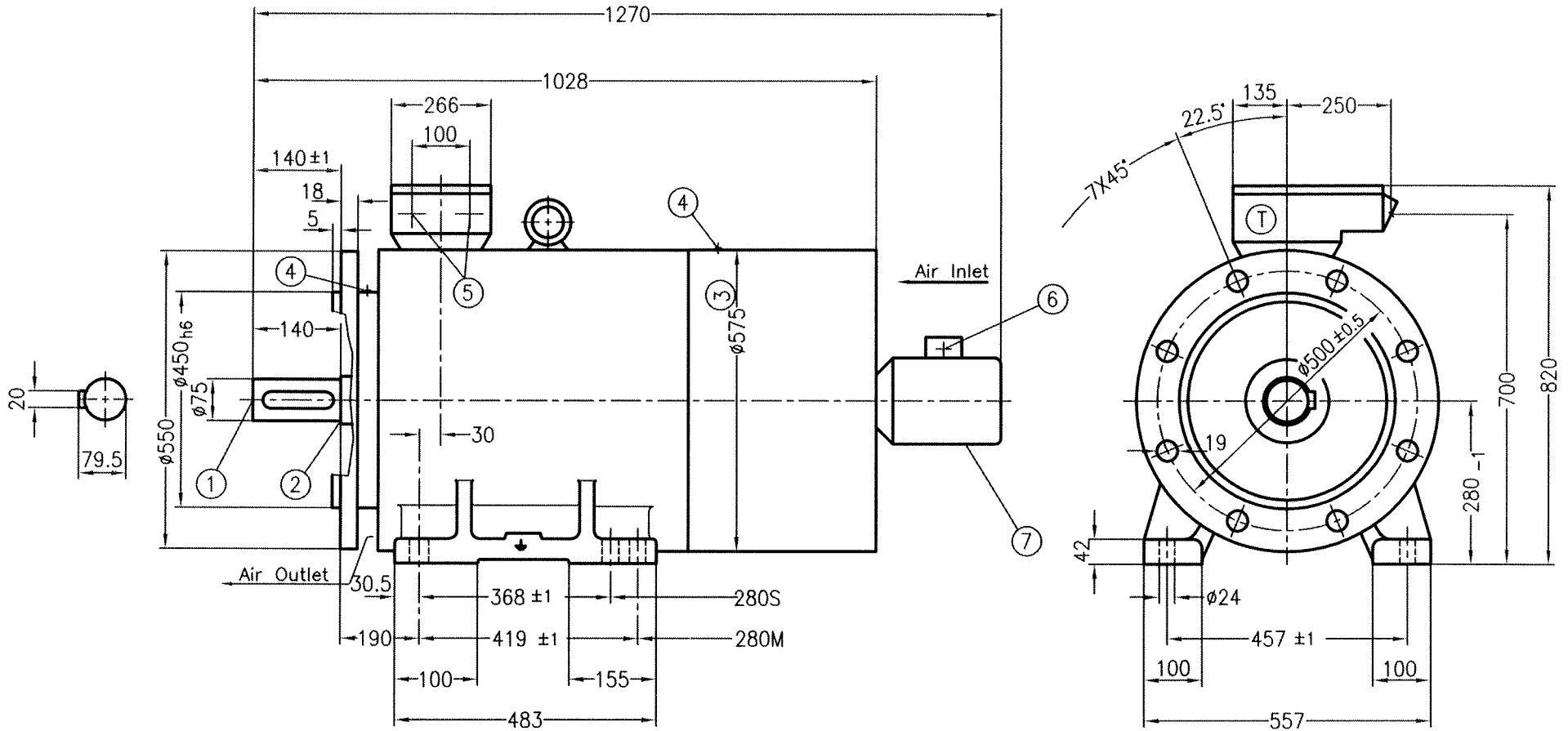


Ⓣ Terminal Box Type : 1XB7 522
suitable for max. cable conductor cross-section(mm²): 240

- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

280S/280M-F500B				IM-B35	
Frame Designation				Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram		Scale
Checked	24.11.08	RSA-PS	Type: 1PQ0 28-2		NTS
Std.CHD.			SIEMENS		
Dim. without tolerance as per Medium IS:2102			DRG No. 4D-2728-8730-0247259-001		
WMOT			REF DRG NO. (4D-2728-8230-0241569-001)		

11 FEB 2009



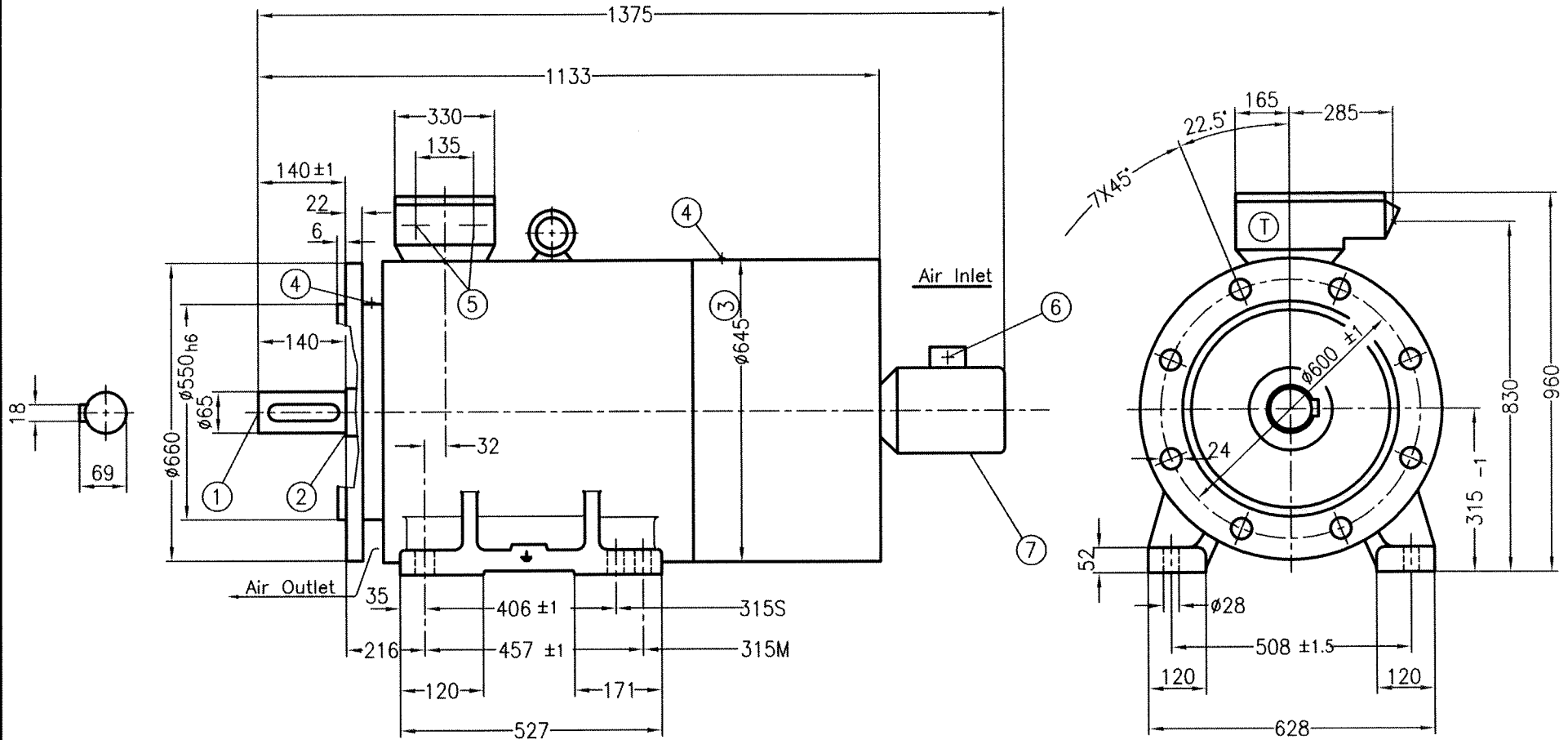
(T) Terminal Box Type : 1XB7 522
suitable for max. cable conductor cross-section(mm²): 240

- ① Shaft extension $\phi 75_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

280S/280M-F500B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram Type: 1PQO 28-4..8 DRG No. 4D-2728-9730-0247260-001 REF DRG NO. (4D-2728-9230-0241570-001)	Scale
Checked	10.2.09	RSA P29		NTS
Std.CHD.				
Dim. without tolerance as per Medium IS:2102			SIEMENS WMOT	

Amendment

11 FEB 2009



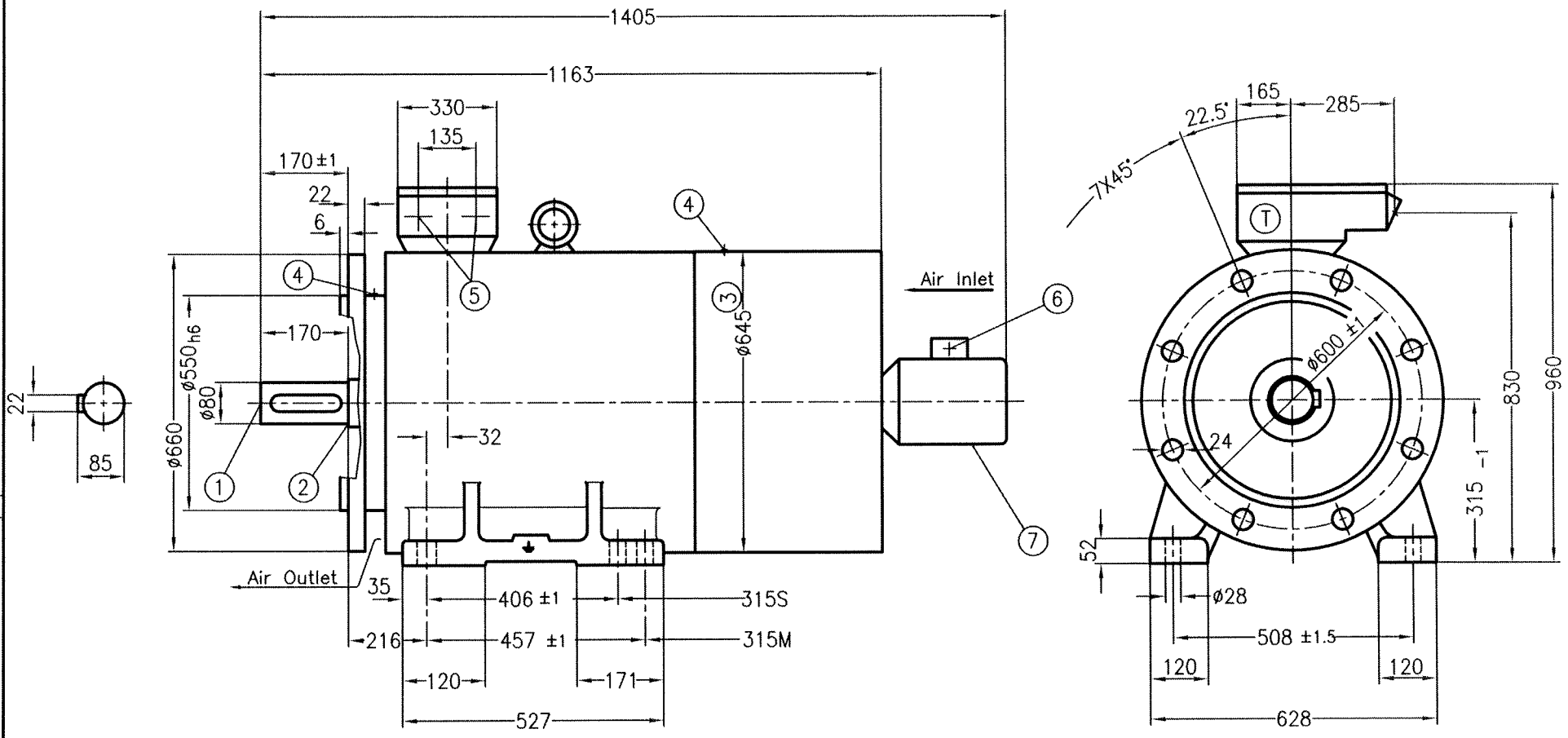
Ⓣ Terminal Box Type : 1XB7 622
 suitable for max. cable conductor cross-section(mm²): 300

- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

315S/315M-F600B			IM-B35	
Frame Designation .			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram Type: 1PQ0 310/1/3/4-2 DRG No. 4D-2731-8730-0247263-001 REF DRG NO. (4D-2731-8230-0241571-001)	Scale
Checked	18-2-07	S. DIL		NTS
Std.CHD.				
Dim. without tolerance as per Medium IS:2102		SIEMENS WMOT		

Amendment

11 FEB 2009

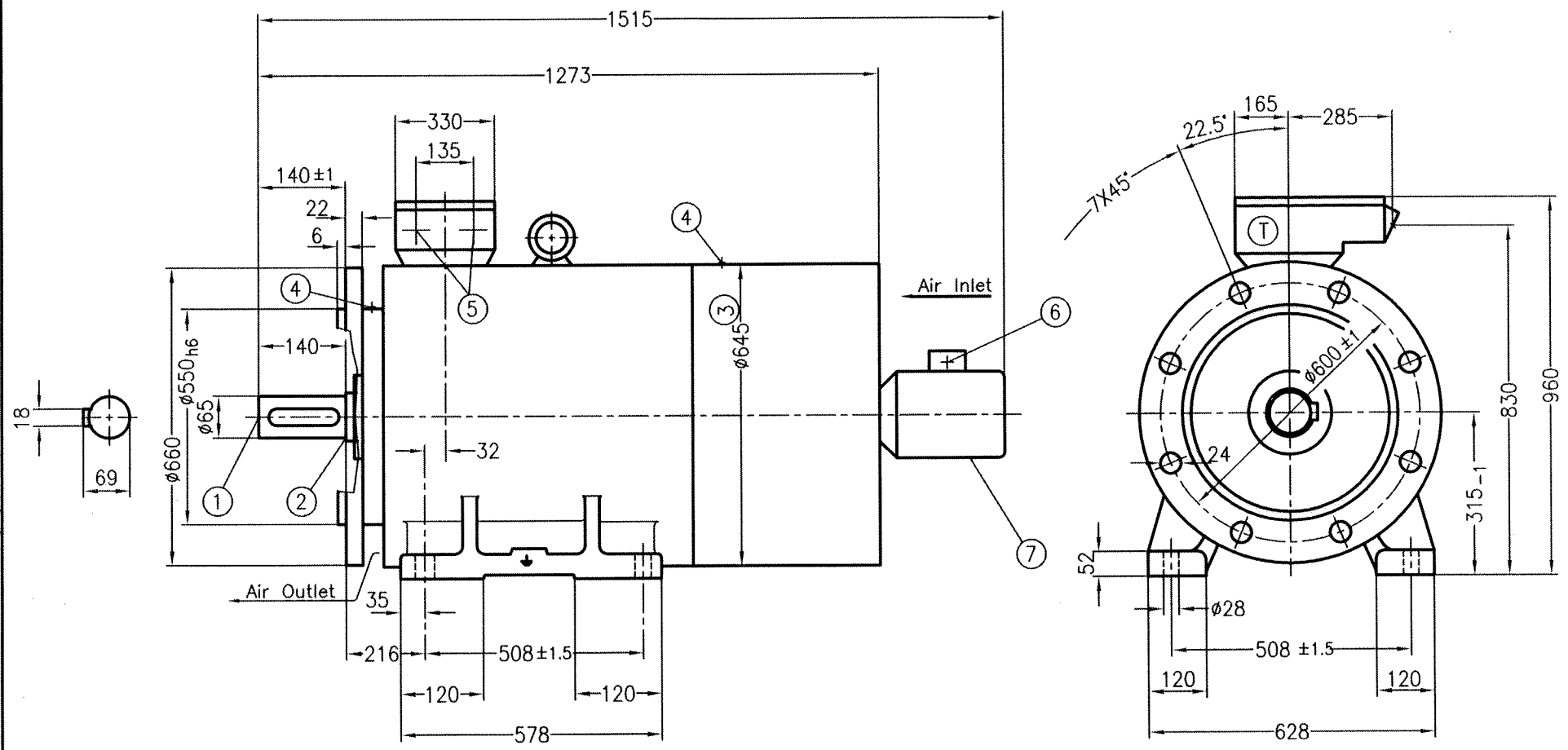


Ⓣ Terminal Box Type : 1XB7 622
 suitable for max. cable conductor cross-section(mm²): 300

- ① Shaft extension $\varnothing 80_{m6} \times 170$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

315S/315M-F600B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	Scale NTS
Checked	24.11.08	RSA		
Std.CHD.	10.2.09	S.D.P.		
Dim. without tolerance as per Medium IS:2102			Type: 1PQ0 310/1/3/4-4..8	
SIEMENS WMOT			DRG No. 4D-2731-9730-0247264-001	
			REF DRG NO. (4D-2731-9230-0241572-001)	

11 FEB 2009



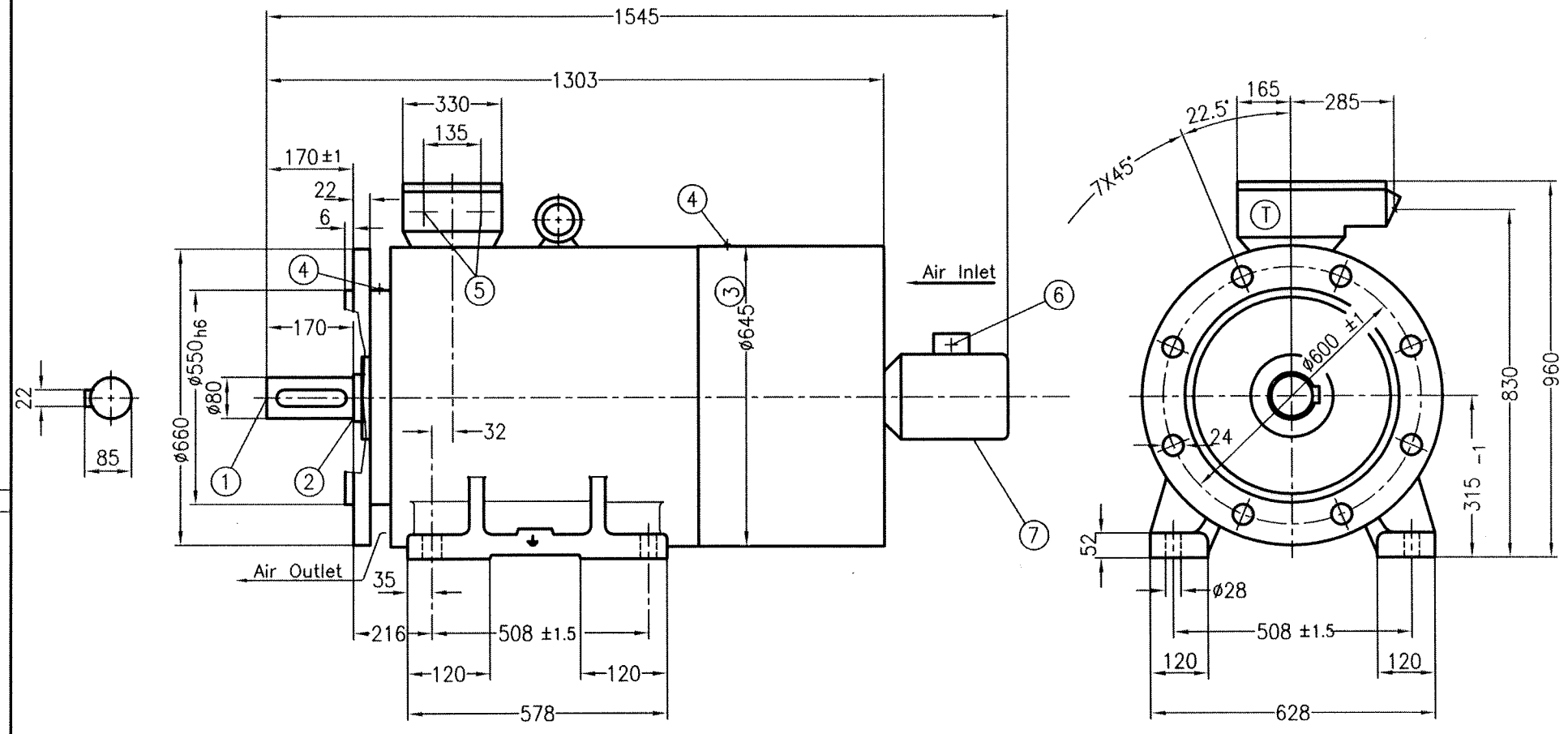
Ⓣ Terminal Box Type : 1XB7 622
 suitable for max. cable conductor cross-section(mm²): 300

- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

315L-F600B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram Type: 1PQ0 316/7/8/9-2	Scale NTS
Checked	24.11.08	RSA-PS		
Std.CHD.	10.2.09	SPTC		
Dim. without tolerance as per Medium IS:2102		SIEMENS WMOT	DRG No. 4D-2731-6730-0247261-001	
			REF DRG NO. (4D-2731-6230-0241573-001)	

Amendment

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(T) Terminal Box Type : 1XB7 622
 suitable for max. cable conductor cross-section(mm²): 300

- ① Shaft extension $\varnothing 80_{m6} \times 170$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

315L-F600B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram Type: 1PQ0 316/7/8/9-4..8 DRG No. 4D-2731-7730-0247262-001 REF DRG NO. (4D-2731-7230-0241574-001)	Scale
Checked	10-2-09	RSA PR		NTS
Std.CHD.				
Dim. without tolerance as per Medium IS:2102			SIEMENS	
WMOT				

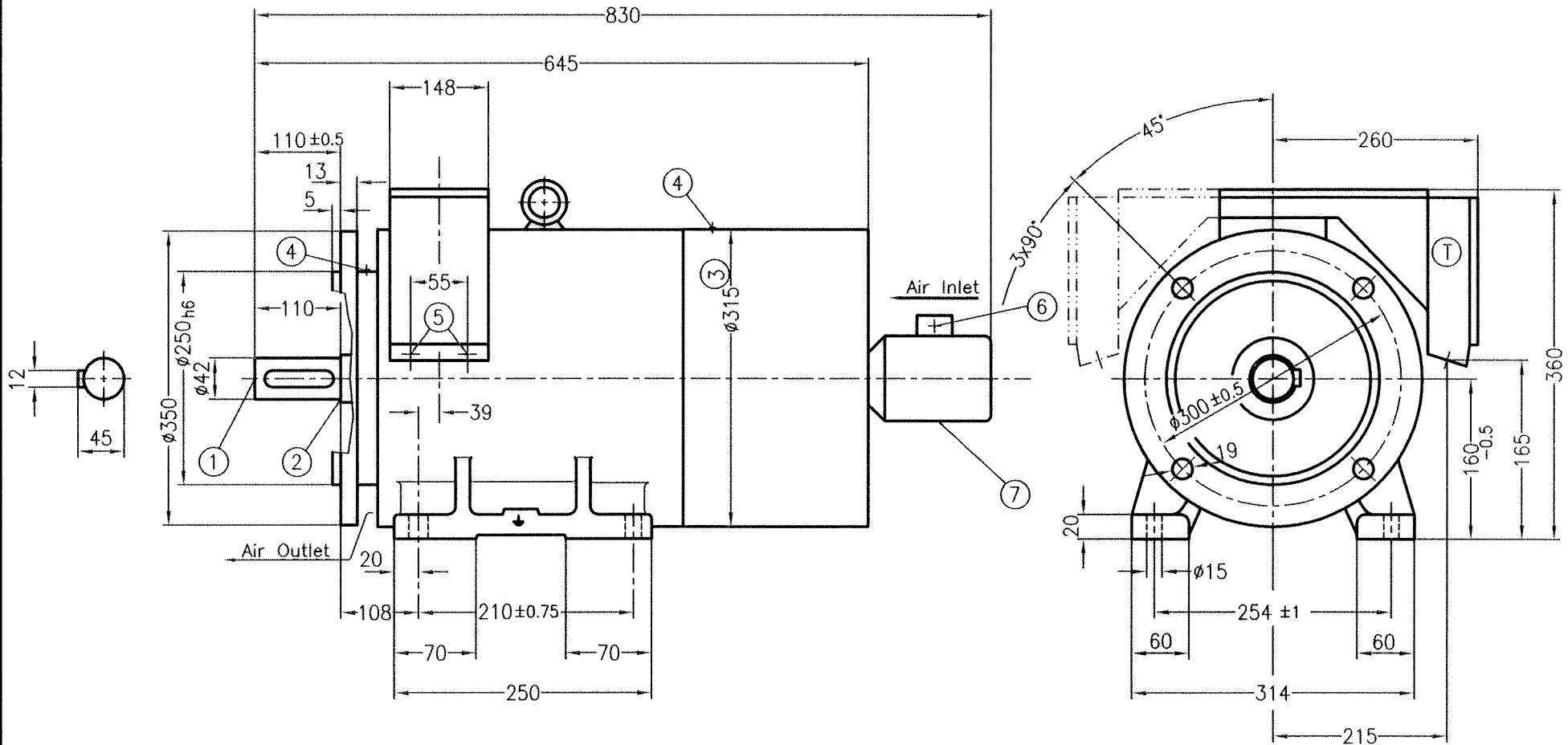
Amendment

Annexure - VII

Dimensional Diagrams for 1PQ0 Motors

Frames 160M – 315L – IMB35 - T.Box on SIDE

25.000.009

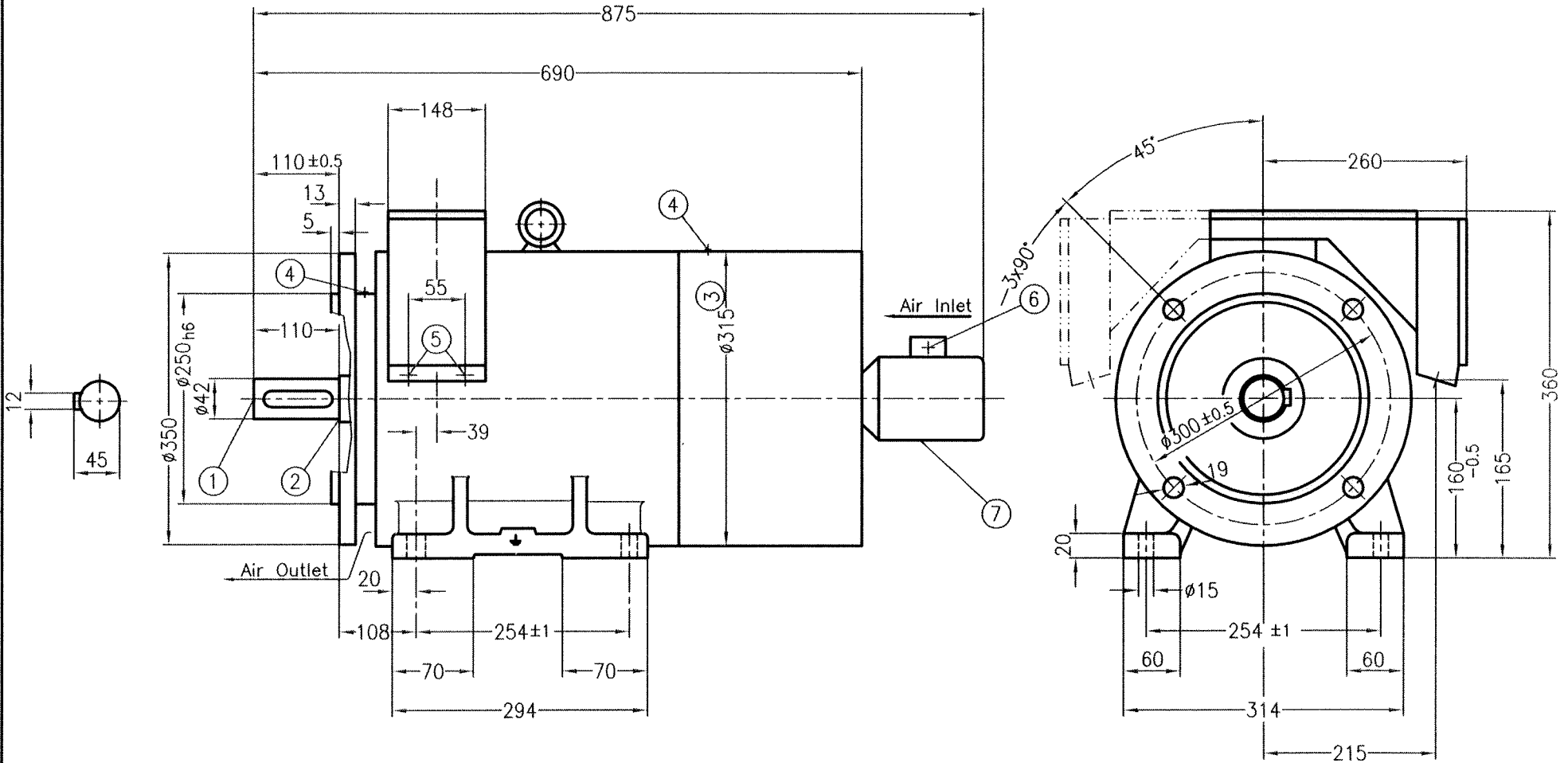


- ① Shaft extension $\phi 42_{k6} \times 110$ with protected centre hole M16x36
- ② Relief groove E1x0.2 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility
- ⑤ 2 Nos. B.S.Conduit Entry 31.8 (1.25") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB1 223
 suitable for max. cable conductor cross-section(mm²): 25,
 For Terminal Box on left, view is "mirror image"

160M-F300B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram Type: 1PQ0 163/164/165 - 2..8 DRG No. 4D-2716-68-0247451-001 REF DRG NO. (4D-2716-67; 4D-2716-63)	Scale NTS
Checked	9.4.09	RSA		
Std.CHD.				
Dim. without tolerance as per Medium IS:2102			SIEMENS WMOT	

25 APR 2009

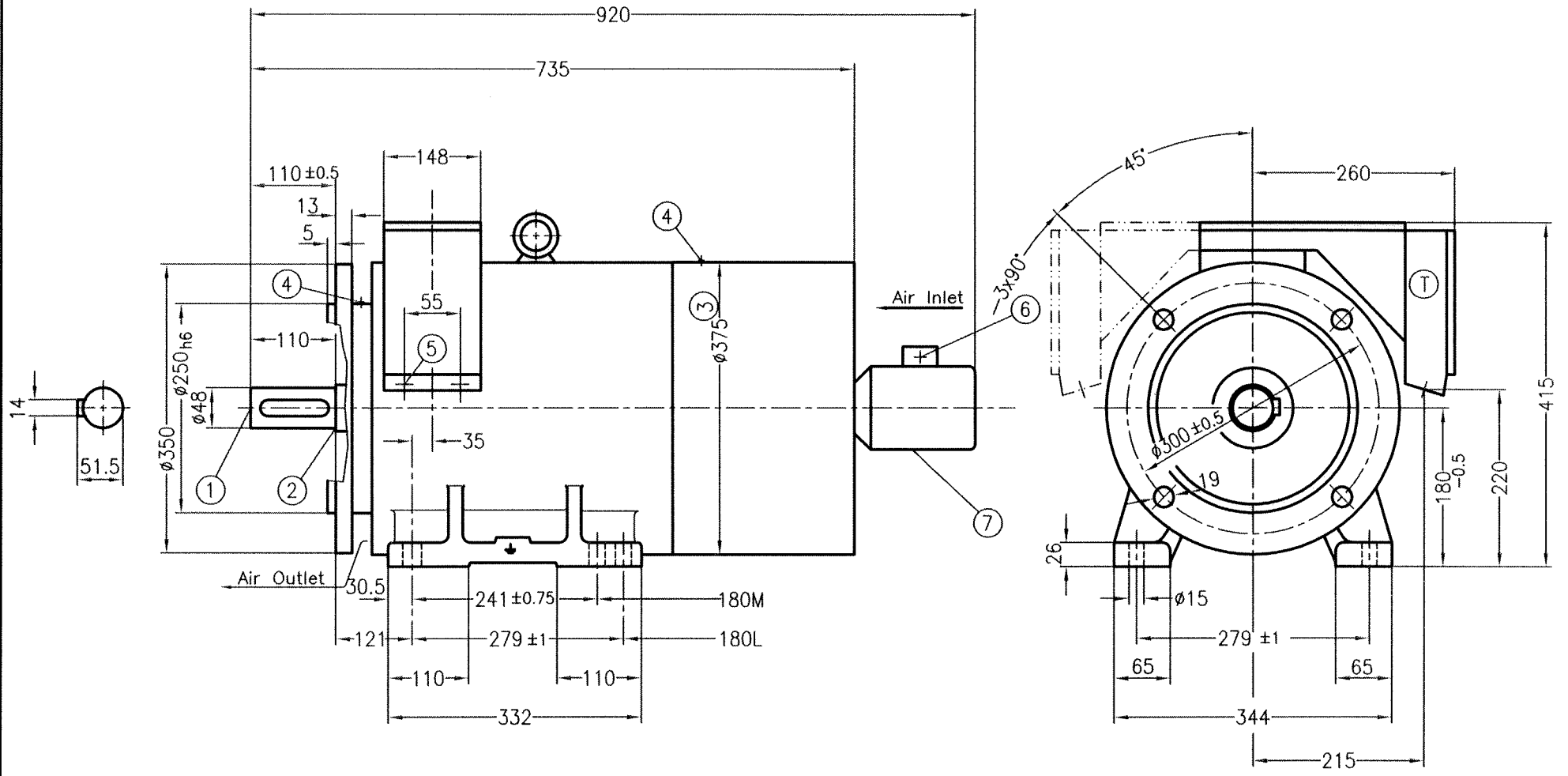


- ① Shaft extension $\phi 42_{k6} \times 110$ with protected centre hole M16x36
- ② Relief groove E1x0.2 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility
- ⑤ 2 Nos. B.S.Conduit Entry 31.8 (1.25") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB1 223
 suitable for max. cable conductor cross-section(mm²): 25,
 For Terminal Box on left, view is "mirror image"

160L-F300B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	Scale NTS
Checked	09.03.09	RSA		
Std.CHD.	09.04.09	SPIC	Type: 1PQ0 166-2...8	
Dim. without tolerance as per Medium IS:2102		SIEMENS		DRG No. 4D-2716-78-0247452-001
		WMOT		

25 APR 2009

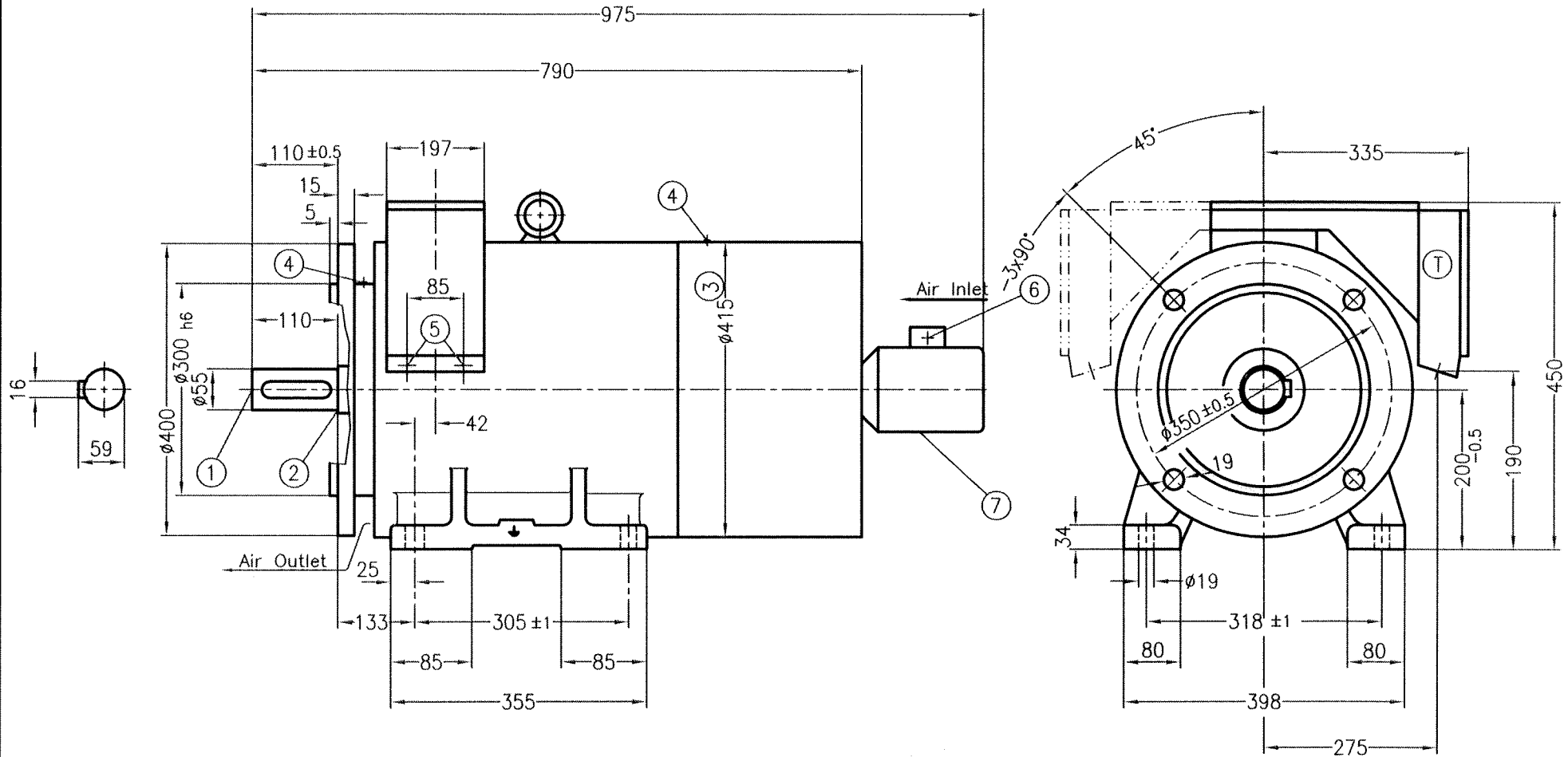


- ① Shaft extension $\phi 48_{k6} \times 110$ with protected centre hole M16x36
- ② Relief groove E1x0.2 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility
- ⑤ 2 Nos. B.S.Conduit Entry 31.8 (1.25") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB1 223
 suitable for max. cable conductor cross-section(mm²): 25,
 For Terminal Box on left, view is "mirror image"

180M/180L-F300B				IM-B35	
Frame Designation				Applicable for Construction	
Drawn	Date	Name	SIEMENS WMOT	Dimensional Diagram Type: 1PQ0 18- DRG No. 4D-2718-68-0247453-001 REF DRG NO. (4D-2718-67; 4D-2718-63)	
Checked	09.03.09	RSA			
Std.CHD.	9.4.09	SBC			
Dim. without tolerance as per Medium IS:2102			Scale NTS		

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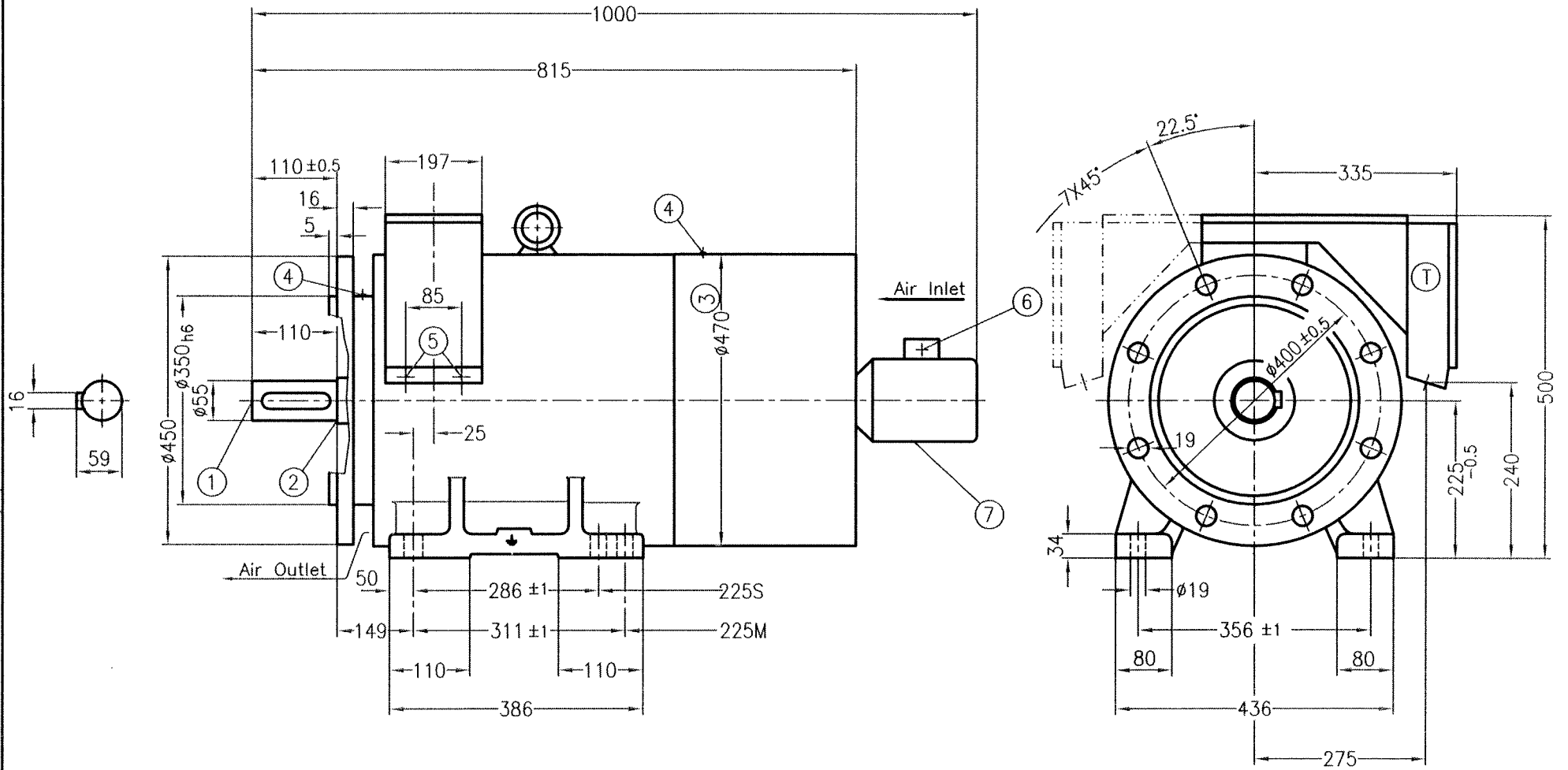


- ① Shaft extension $\phi 55_{m6} \times 110$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility
- ⑤ 2 Nos. B.S.Conduit Entry 51 (2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 322
 suitable for max. cable conductor cross-section(mm²): 35,
 For Terminal Box on left, view is "mirror image"

200L-F350B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	Scale
Checked	09.03.09	RSA P3		NTS
Std.CHD.	9.1.09	<i>[Signature]</i>	Type: 1PQ0 20-	
Dim. without tolerance as per Medium IS:2102		SIEMENS	DRG No. 4D-2720-68-0247454-001	
		WMOT	REF DRG NO. (4D-2720-67; 4D-2720-63)	

25 APR 2009

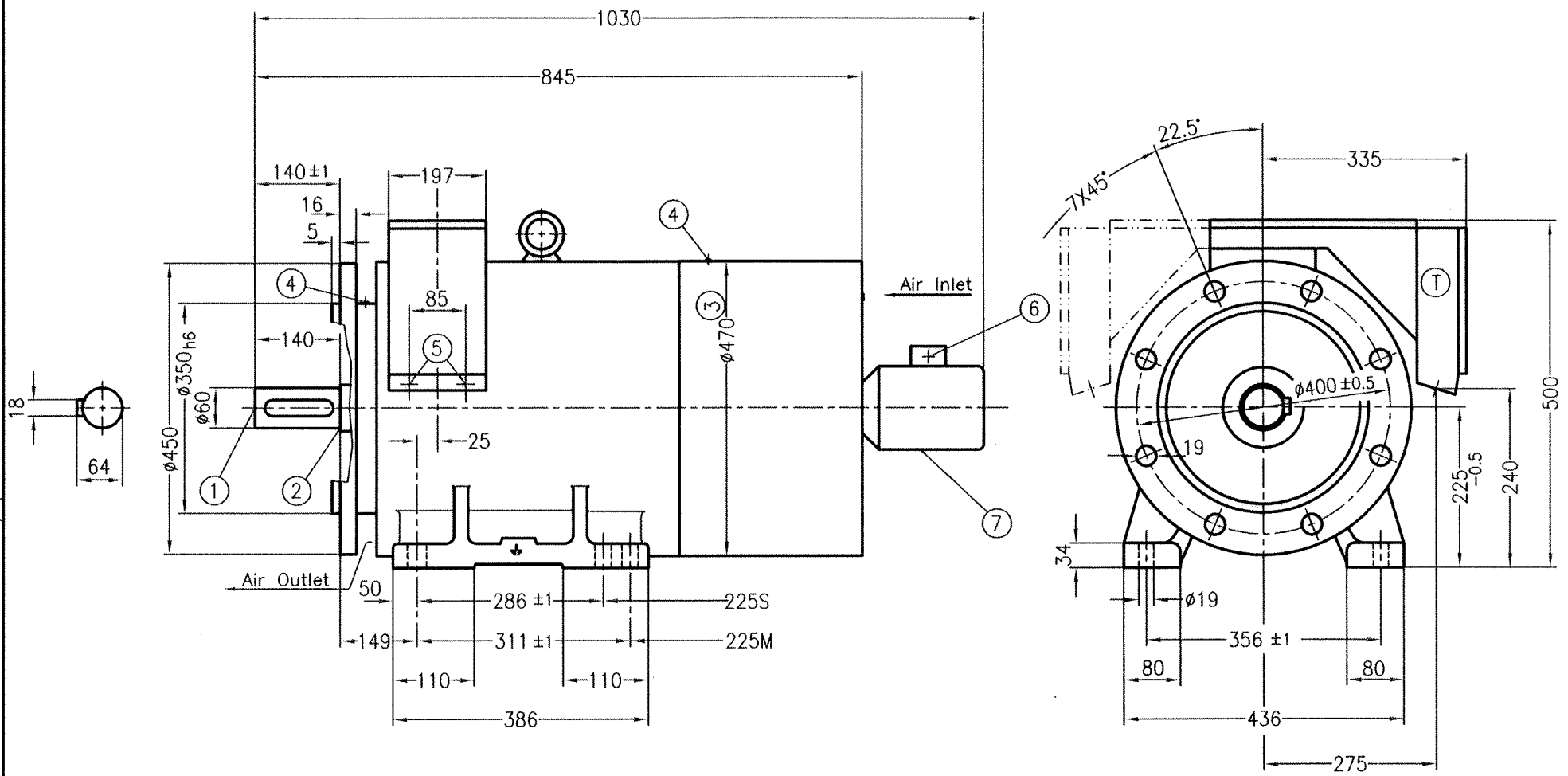


- ① Shaft extension $\phi 55_{m6} \times 110$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility
- ⑤ 2 Nos. B.S.Conduit Entry 51 (2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 322
 suitable for max. cable conductor cross-section(mm²): 35'
 For Terminal Box on left, view is "mirror image"

225S / 225M-F400B				IM-B35	
Frame Designation				Applicable for Construction	
Drawn	Date	Name	SIEMENS	Dimensional Diagram	Scale NTS
Checked	9.4.09	RSA			
Std.CHD.					
Dim. without tolerance as per Medium IS:2102			WMOT	Type: 1PQ0 22-2	DRG No. 4D-2722-88-0247455-001
				REF DRG NO. (4D-2722-87; 4D-2722-83)	

65 MAR 2009

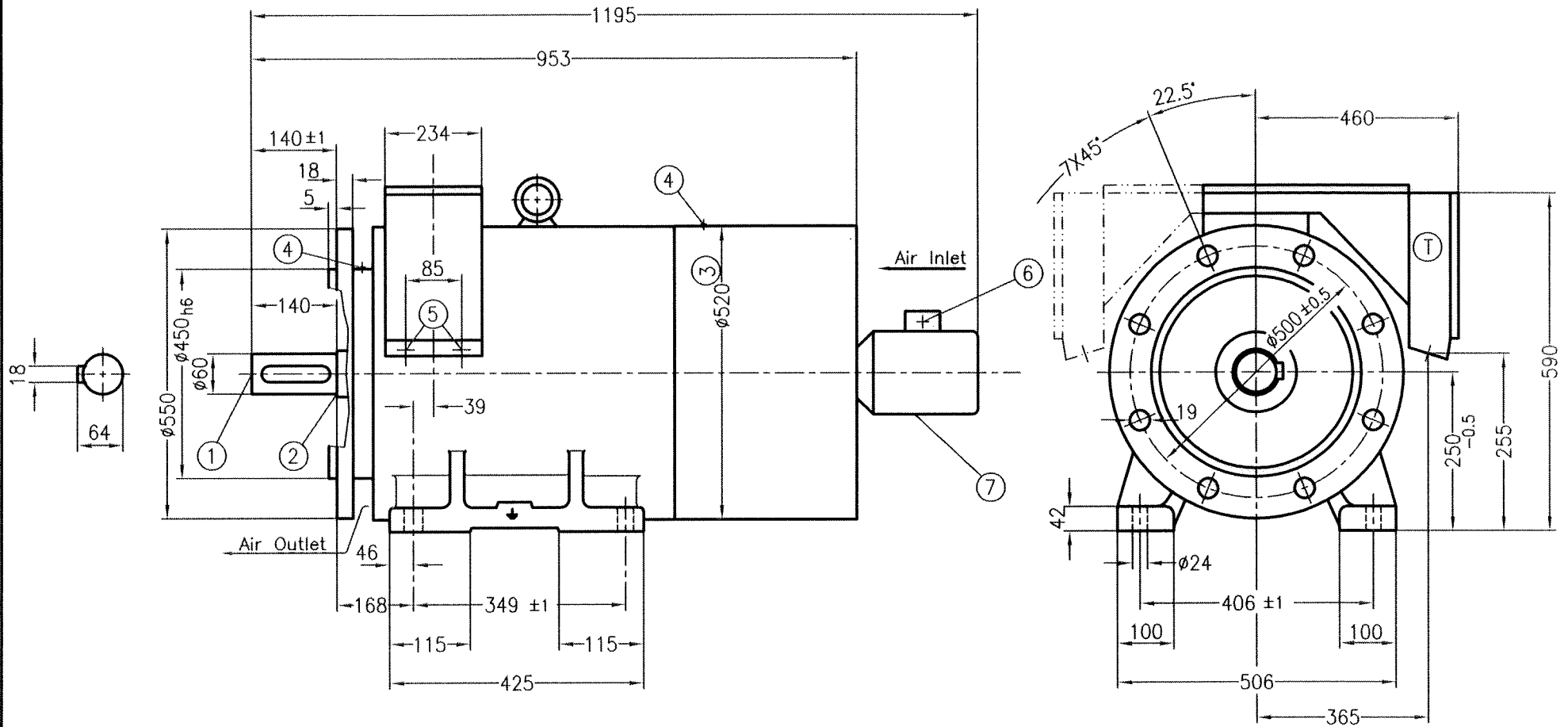


- ① Shaft extension $\phi 60_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009 only for motors with regreasing facility
- ⑤ 2 Nos. B.S.Conduit Entry 51 (2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 322
 suitable for max. cable conductor cross-section(mm²): 35,
 For Terminal Box on left, view is "mirror image"

225S / 225M-F400B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	09.03.09	RSA 22		
Std.CHD.	04.09	SPE	Type: 1PQ0 22-4..8	
Dim. without tolerance as per Medium IS:2102			SIEMENS DRG No. 4D-2722-98-0247456-001	
WMOT			REF DRG NO. (4D-2722-97; 4D-2722-93)	
			Scale NTS	

25 APR 2009

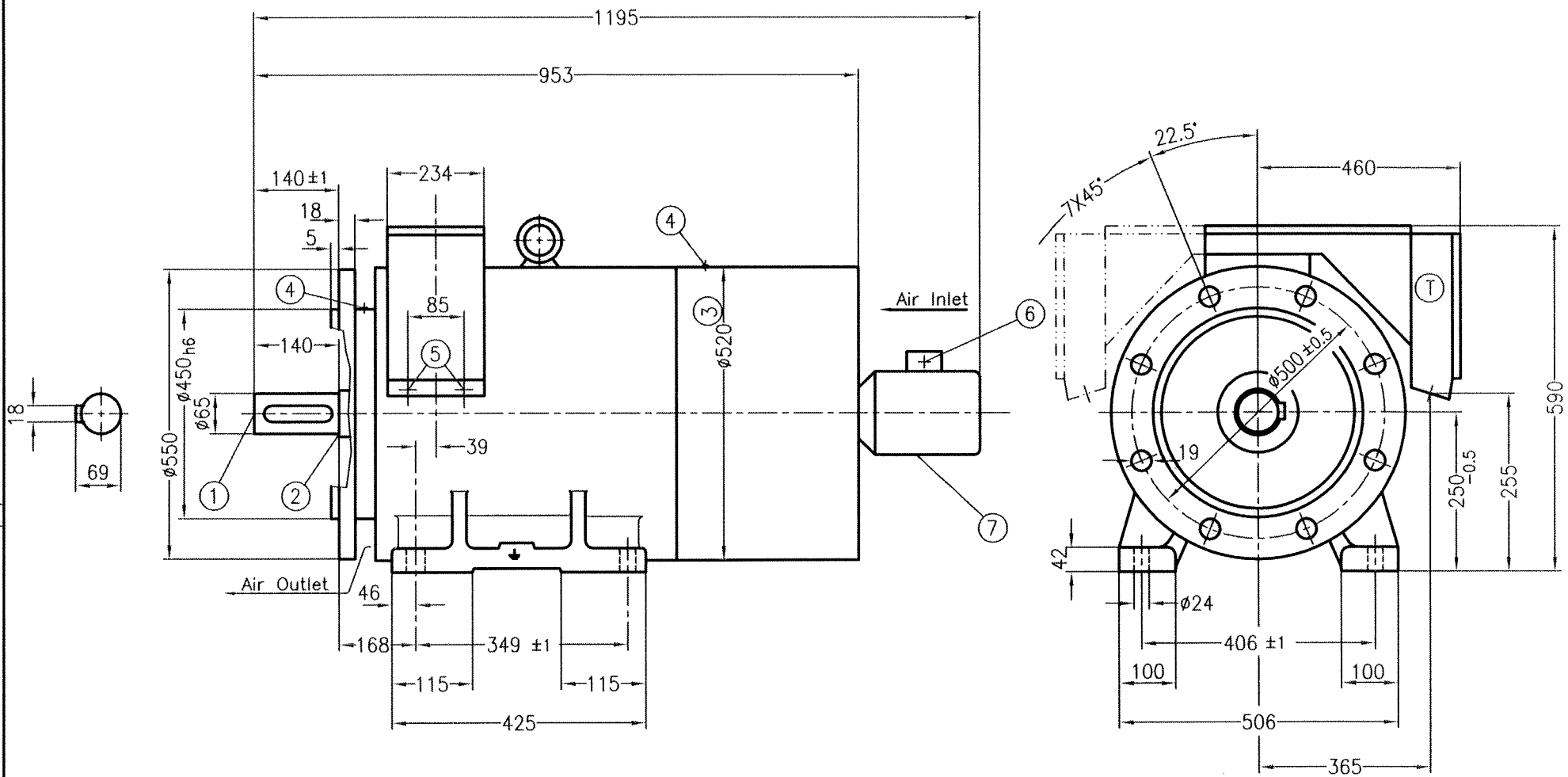


- ① Shaft extension $\phi 60_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 51 (2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 422
 suitable for max. cable conductor cross-section(mm²): 120
 For Terminal Box on left, view is "mirror image"

250M-F500B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	09.03.09	RSA 227		
Std.CHD.	09.03.09	JDE		
Dim. without tolerance as per Medium IS:2102			Type: 1PQ0 25-2	
SIEMENS			DRG No. 4D-2725-88-0247457-001	
WMOT			REF DRG NO. (4D-2725-87; 4D-2725-83)	
			Scale	NTS

25 APR 2009

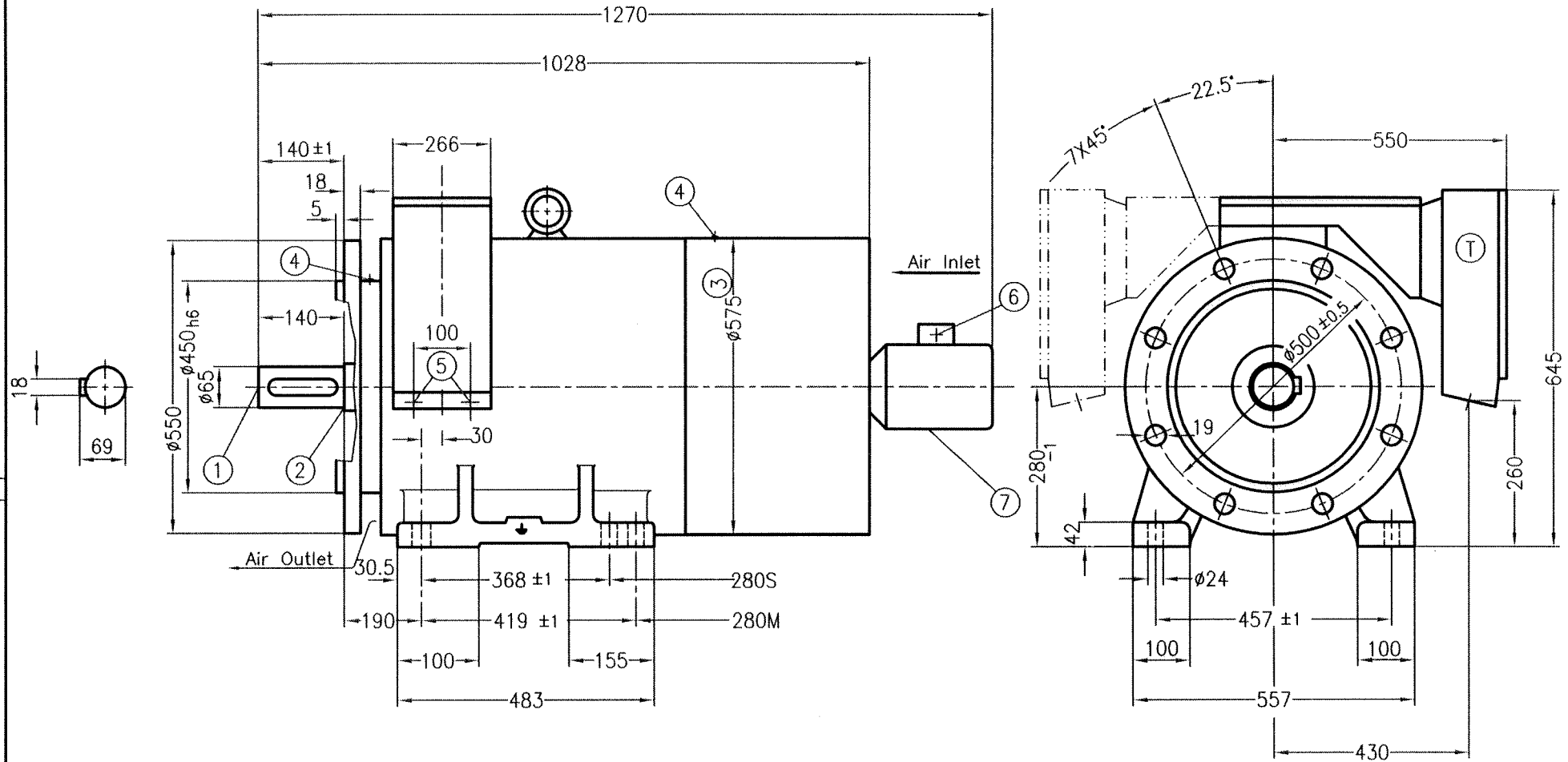


- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 51 (2") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 422
 suitable for max. cable conductor cross-section(mm²): 120
 For Terminal Box on left, view is "mirror image"

250M-F500B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	09.03.09	RSA RK		
Std.CHD.	09.03.09	SRK		
Dim. without tolerance as per Medium IS:2102			Type: 1PQ0 25-4..8	
SIEMENS			DRG No. 4D-2725-98-0247458-001	
WMOT			REF DRG NO. (4D-2725-97; 4D-2725-93)	
			Scale NTS	

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- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

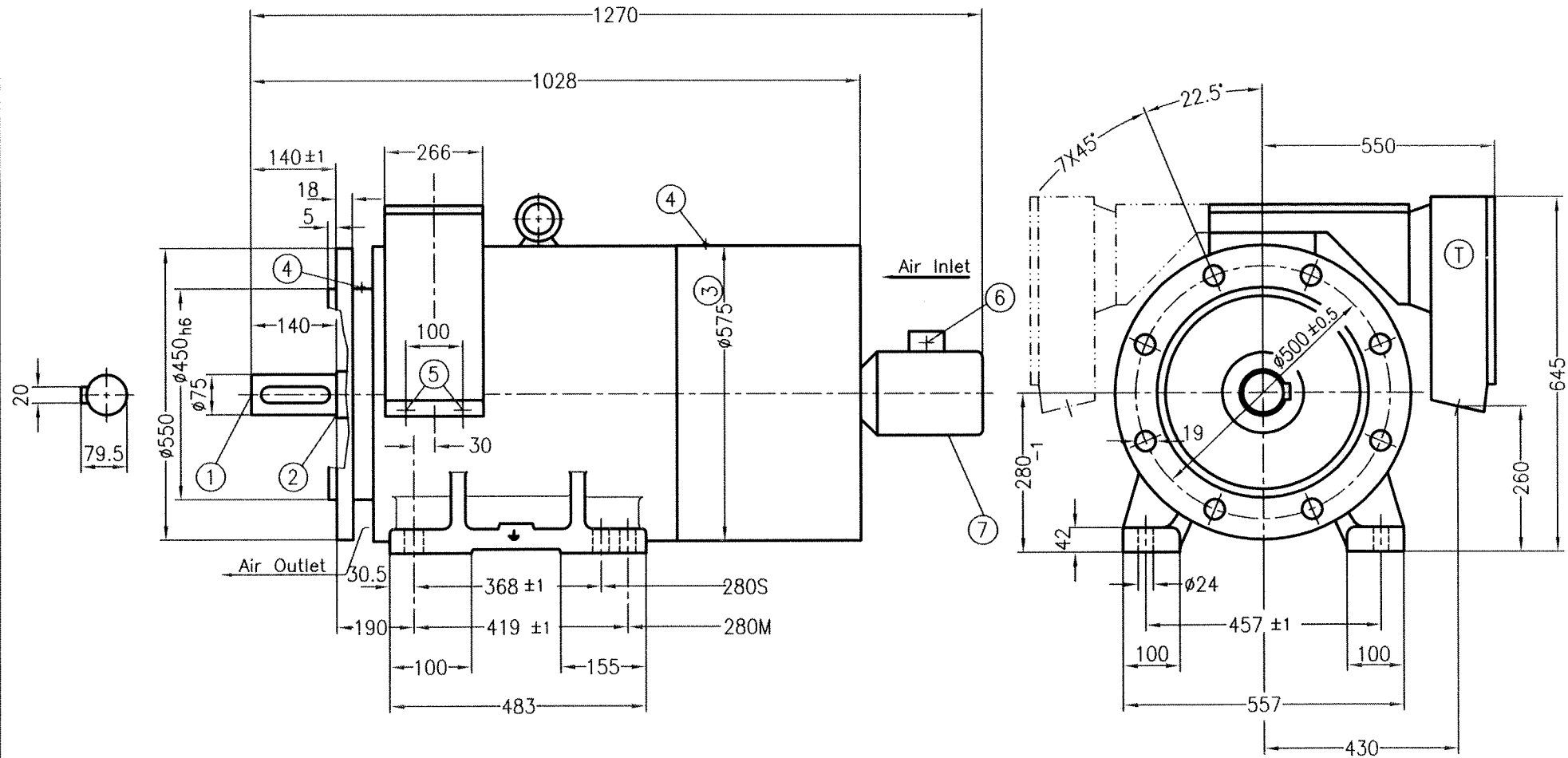
Ⓣ Terminal Box Type : 1XB7 522

suitable for max. cable conductor cross-section(mm²): 240

For Terminal Box on left, view is "mirror image"

280S/280M-F500B				IM-B35	
Frame Designation				Applicable for Construction	
Drawn	Date	Name		Dimensional Diagram	
Checked	24.11.08	RSA			
Std.CHD.	9.4.09	SBC			
Dim. without tolerance as per Medium IS:2102			SIEMENS	DRG No.	Scale
			WMOT	4D-2728-8830-0247459-001	NTS
				REF DRG NO. (4D-2728-8730; 4D-2728-8330)	

25.10.2009

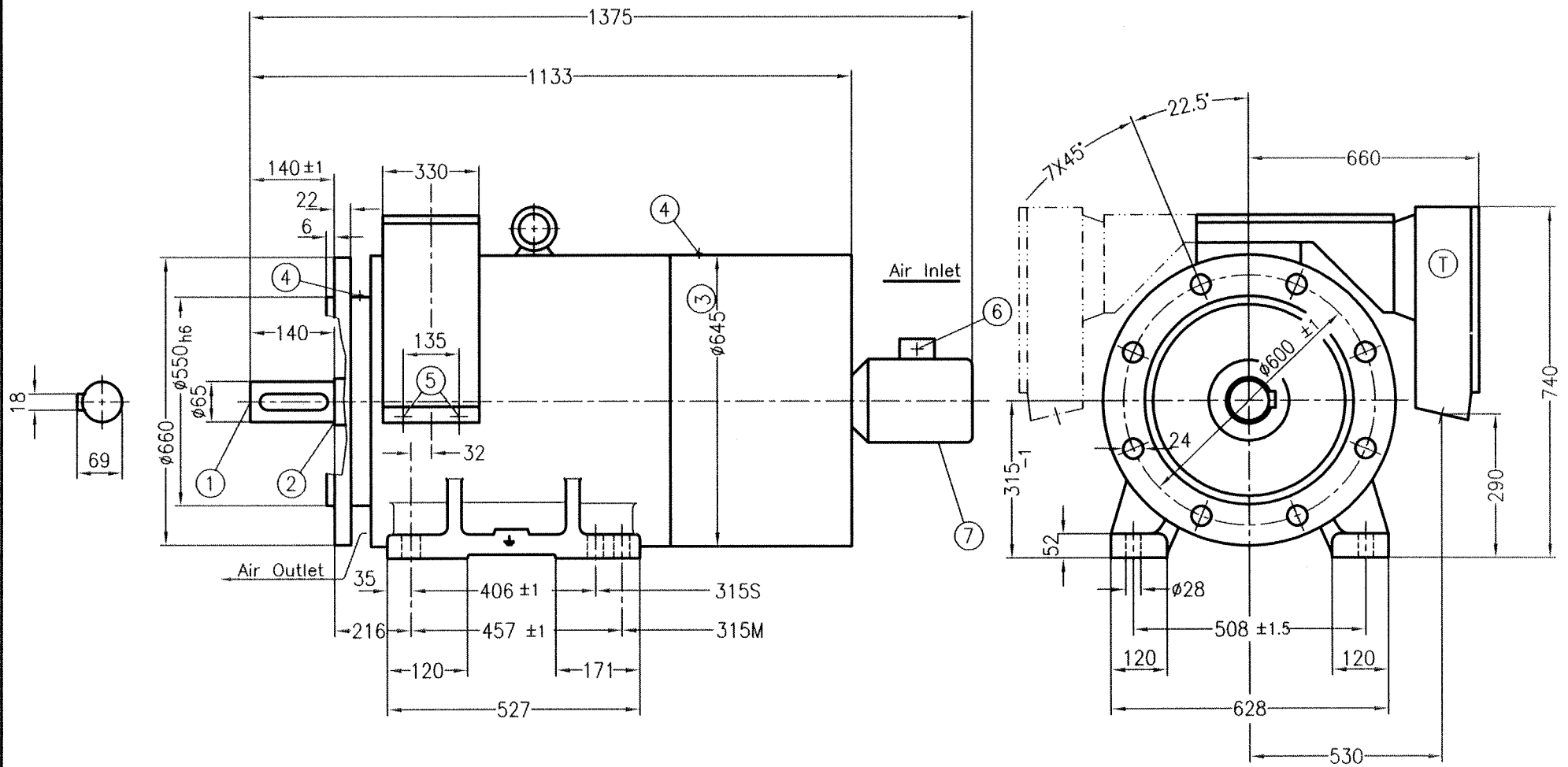


- ① Shaft extension $\phi 75_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 522
 suitable for max. cable conductor cross-section(mm²): 240
 For Terminal Box on left, view is "mirror image"

280S/280M-F500B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	Scale
Checked	9.4.09	RSA		NTS
Std.CHD.			Type: 1PQ0 28-4.8	
Dim. without tolerance as per Medium IS:2102		SIEMENS	DRG No. 4D-2728-9830-0247460-001	
		WMOT	REF DRG NO. (4D-2728-9730; 4D-2728-9330)	

25 APR 2009



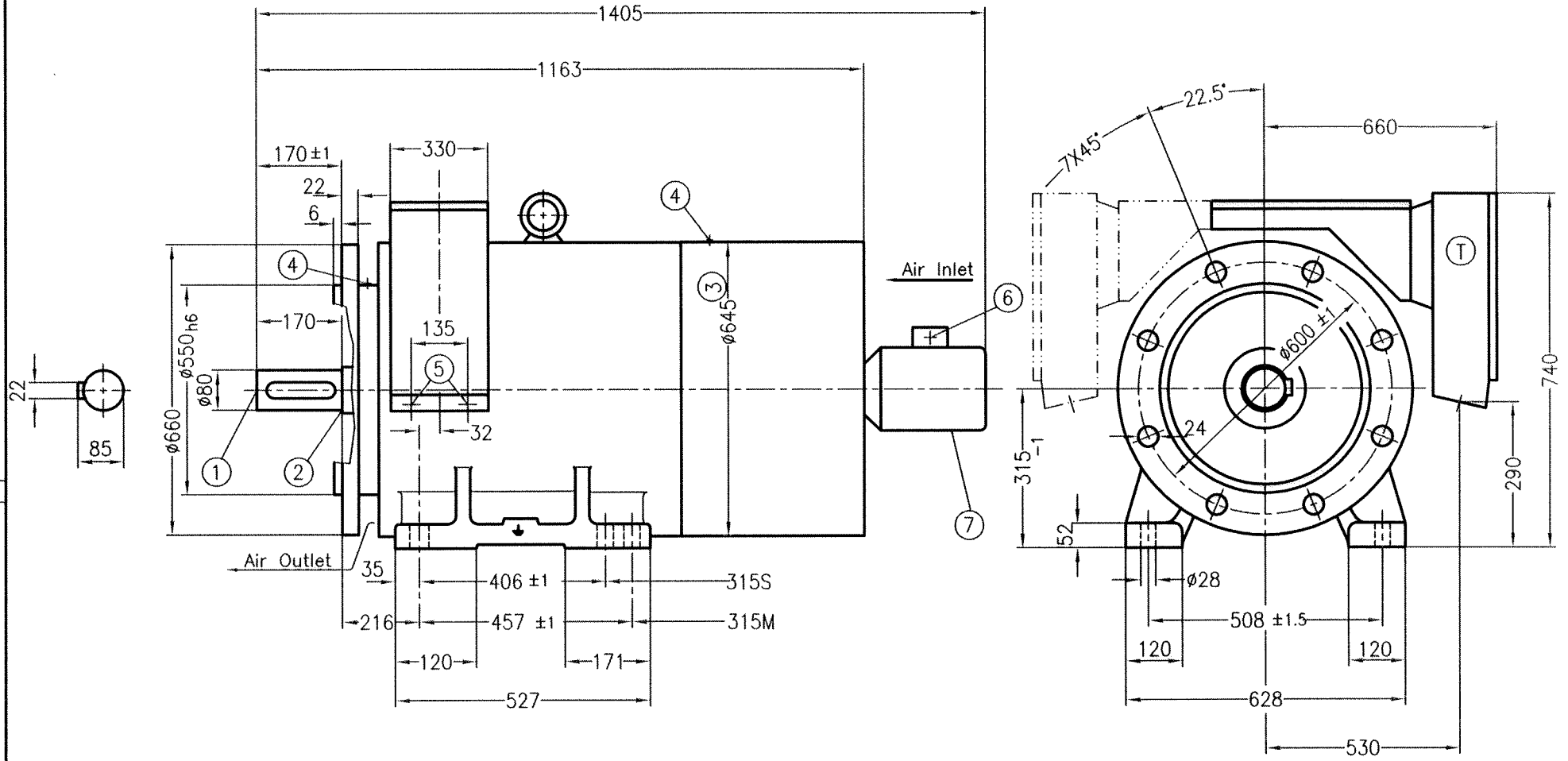
- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 622
 suitable for max. cable conductor cross-section(mm²): 300
 For Terminal Box on left, view is "mirror image"

315S/315M-F600B				IM-B35		
Frame Designation				Applicable for Construction		
Drawn	Date	Name		Dimensional Diagram		
Checked	9.3.09	IDE				
Std. CHD.				Type: 1PQ0 310/1/3/4-2	Scale NTS	
Dim. without tolerance as per Medium IS:2102			SIEMENS WMOT		DRG No. 4D-2731-8830-0247463-001 REF DRG NO. (4D-2731-8730; 4D-2731-8330)	

Amendment

25 APR 2009

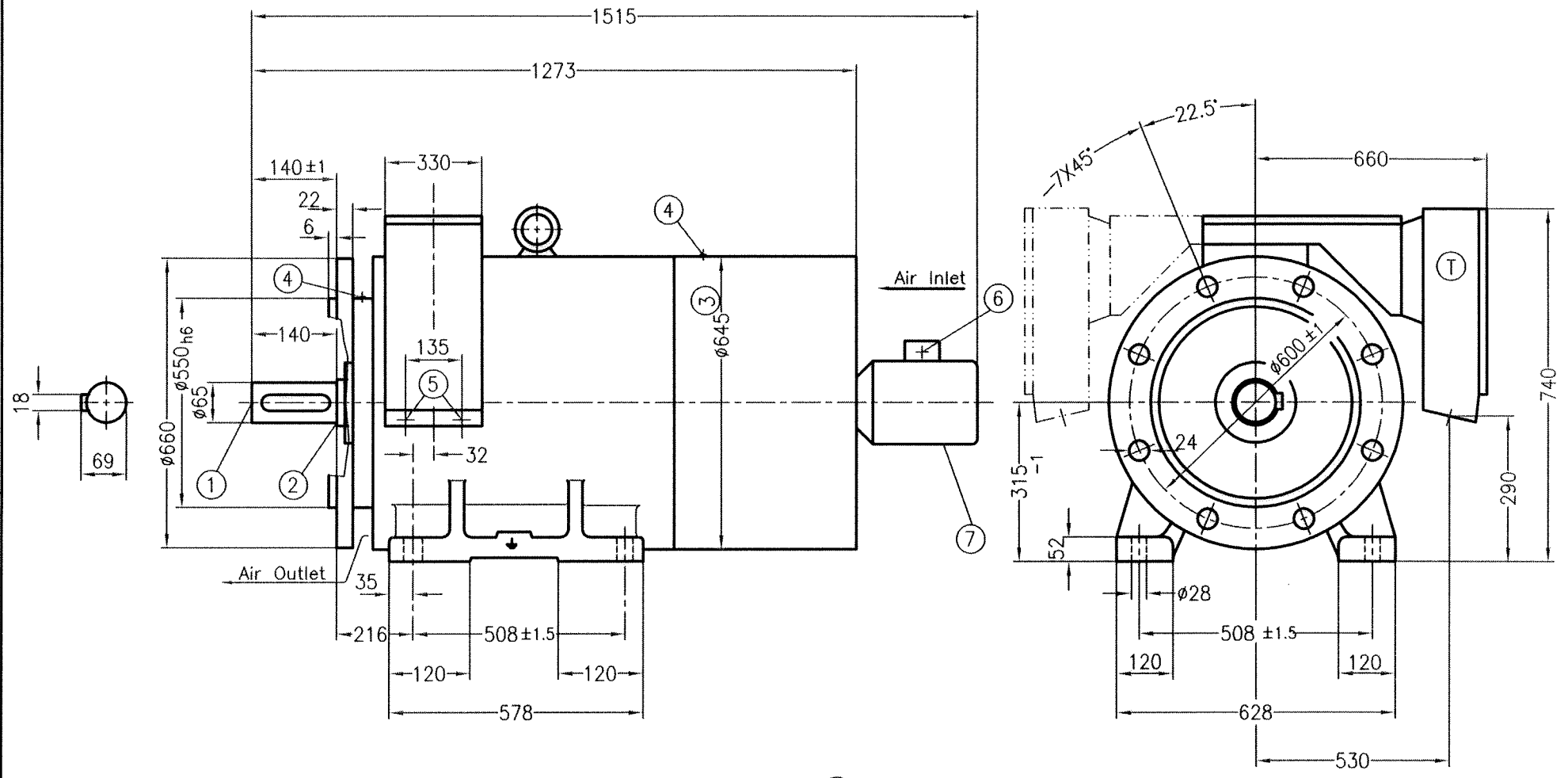


- ① Shaft extension $\varnothing 80_{m6} \times 170$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 622
 suitable for max. cable conductor cross-section(mm²): 300
 For Terminal Box on left, view is "mirror image"

315S/315M-F600B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	9.4.09	SDK		
Dim. without tolerance as per Medium IS:2102			Type: 1PQ0 310/1/314-4-8	
SIEMENS			DRG No. 4D-2731-9830-0247464-001	
WMOT			REF DRG NO. (4D-2731-9730; 4D-2731-9330)	

25 APR 2004

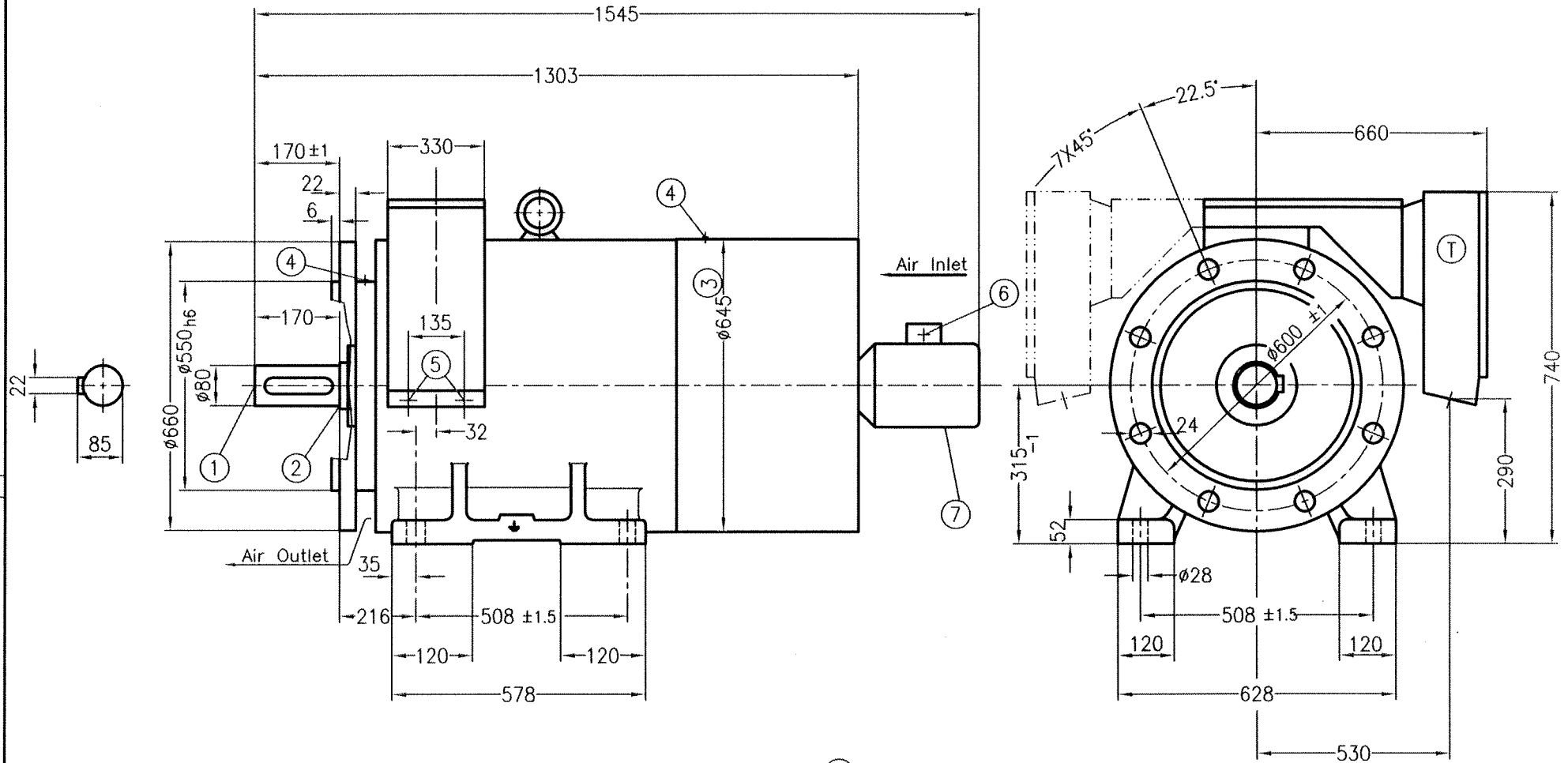


- ① Shaft extension $\phi 65_{m6} \times 140$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 622
 suitable for max. cable conductor cross-section(mm²): 300
 For Terminal Box on left, view is "mirror image"

315L-F600B			IM-B35	
Frame Designation			Applicable for Construction	
Drawn	Date	Name	Dimensional Diagram	
Checked	Std.CHD.			
Type: 1PQ0 316/7/8/9 - 2 DRG No. 4D-2731-6830-0247461-001 REF DRG NO. (4D-2731-6730; 4D-2731-6330)			Scale NTS	
Dim. without tolerance as per Medium IS:2102 SIEMENS WMOT				

25 Apr 2009



- ① Shaft extension $\phi 80_{m6} \times 170$ with protected centre hole M20x42
- ② Relief groove E1.6x0.3 as per IS:3428
- ③ Measured over bolt heads
- ④ Grease Nipple M10x1 as per IS:4009
- ⑤ 2 Nos. B.S.Conduit Entry 63.5 (2.5") -IS:1653
- ⑥ 1 No. B.S.Conduit Entry 19 (3/4") -IS:1653
- ⑦ Blower Motor

Ⓣ Terminal Box Type : 1XB7 622
 suitable for max. cable conductor cross-section(mm²): 300
 For Terminal Box on left, view is "mirror image"

315L-F600B				IM-B35	
Frame Designation				Applicable for Construction	
Drawn	Date	Name		Dimensional Diagram Type: 1PQ0 316/7/8/9 -4..8 DRG No. 4D-2731-7830-0247462-001	
Checked	4.09	SDK			
Std.CHD:					
Dim. without tolerance as per Medium IS:2102			SIEMENS	REF DRG NO. (4D-2731-7730; 4D-2731-7330)	
			WMOT	Scale NTS	