

Amount of Cooling Air necessary to cool TEAO (IC418) MEZ Electric Motors
at +40°C and altitude up to 1000 meter a.s.l.
The motor must be positioned in the airflow
and the air must be closely passing over the motor frame.

Poles		2pole		4pole		6pole		8pole	
		50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
Motor / Frame		m ³ /min	m ³ /min	m ³ /min	m ³ /min	m ³ /min	m ³ /min	m ³ /min	m ³ /min
		IE1		IE1		IE1		IE1	
1TZ9..	63	0.83	1.02	0.41	0.48	0.27	0.32	0.27	0.32
1TZ9..	71	1.73	2.08	0.86	1.02	0.58	0.71	0.42	0.54
1TZ9..	80	1.82	2.18	0.90	1.10	0.60	0.73	0.44	0.53
1TZ9..	90	3.30	4.03	1.64	2.01	1.11	1.31	0.76	0.94
1TZ9..	100	3.80	4.40	2.30	2.80	1.50	1.80	1.20	1.30
1TZ9..	112	5.40	6.10	2.90	3.50	1.90	2.30	1.40	1.60
1TZ9..	132	6.30	7.20	4.60	5.70	3.10	3.80	2.40	2.90
1TZ9..	160	10.90	13.30	7.60	9.10	5.00	6.10	3.80	4.50
1TZ9..	180	12.40	14.80	7.80	9.40	5.20	6.20	4.80	5.80
1TZ9..	200	14.30	17.20	10.40	12.50	7.90	9.50	6.00	7.20
		IE2		IE2		IE2		IE2	
1TZ9..	63	0.83	1.02	0.41	0.48	0.27	0.32	0.27	0.32
1TZ9..	71	1.49	1.81	0.75	0.87	0.49	0.58	0.36	0.43
1TZ9..	80	1.36	1.66	0.66	0.80	0.42	0.51	0.30	0.38
1TZ9..	90	2.86	3.41	1.34	1.70	0.87	1.06	0.65	0.80
1TZ9..	100	3.80	4.40	2.10	2.60	1.50	1.80	1.20	1.30
1TZ9..	112	5.00	5.70	2.90	3.50	1.90	2.30	1.40	1.60
1TZ9..	132	6.30	7.20	4.60	5.70	3.10	3.80	2.40	2.90
1TZ9..	160	10.9	13.3	6.70	8.10	5.00	6.10	3.80	4.50
1TZ9..	180	12.4	14.8	7.80	9.40	5.20	6.20	4.80	5.80
1TZ9..	200	14.3	17.2	10.4	12.5	7.90	9.50	6.00	7.20
1TZ9..	225	22.0	26.0	19.0	23.0	15.0	17.5	11.5	13.5
1TZ9..	250	28.0	33.0	21.0	24.5	19.0	22.5	14.5	16.3
1TZ9..	280	32.0	37.5	32.5	39.0	24.0	29.5	18.0	22.0
1TZ9..	315	48.0	58.0	49.0	58.0	34.0	40.0	25.0	30.5
		IE3		IE3		IE3		IE3	
1TZ9..	80	1.36	1.66	0.66	0.80	0.42	0.51	0.30	0.38
1TZ9..	90	2.86	3.41	1.34	1.70	0.87	1.06	0.65	0.80
1TZ9..	100	3.80	4.40	2.10	2.60	1.50	1.80	1.20	1.30
1TZ9..	112	5.00	5.70	2.90	3.50	1.90	2.30	1.40	1.60
1TZ9..	132	6.30	7.20	4.60	5.70	3.10	3.80	2.40	2.90
1TZ9..	160	10.9	13.3	6.70	8.10	5.00	6.10	3.80	4.50
1TZ9..	180	10.3	12.3	7.00	8.30	5.20	6.20	5.20	6.20
1TZ9..	200	10.4	12.5	7.60	9.10	6.50	7.80	6.50	7.80
1TZ9..	225	14.0	17.5	12.0	15.0	15.5	18.0	11.5	12.5
1TZ9..	250	18.5	22.0	12.0	15.0	16.0	20.0	12.0	13.5
1TZ9..	280	26.0	30.5	27.5	32.5	22.5	26.5	18.0	21.5
1TZ9..	315	40.0	48.5	32.5	39.0	31.0	37.0	25.0	30.5
1TZ5..	315	46.0	56.0	38.0	46.0	26.5	31.0	26.5	31.0
1TZ5..	355	44.0	53.0	63.0	75.0	40.5	48.5	40.5	48.5
		IE4		IE4		IE4		IE4	
1TZ9..	100	3.80	4.40	2.10	2.60	1.50	1.80	1.20	1.30
1TZ9..	112	5.00	5.70	2.90	3.50	1.90	2.30	1.40	1.60
1TZ9..	132	6.30	7.20	4.60	5.70	3.10	3.80	2.40	2.90
1TZ9..	160	10.9	13.3	6.70	8.10	5.00	6.10	3.80	4.50
1TZ9..	180	10.3	12.3	7.00	8.30	5.20	6.20	5.20	6.20
1TZ9..	200	10.4	12.5	7.60	9.10	6.50	7.80	6.50	7.80
1TZ9..	225	14.0	17.5	12.0	15.0	15.50	18.00	11.5	12.5
1TZ9..	250	18.5	22.0	12.0	15.0	16.00	20.00	12.0	13.5
1TZ9..	280	26.0	30.5	27.5	32.5	22.50	26.50	18.0	21.5
1TZ9..	315	40.0	48.5	32.5	39.0	31.00	37.00	25.0	30.5
1TZ5..	315	44.0	53.0	38.0	46.0	26.50	31.00	26.5	31.0
1TZ5..	355	44.0	53.0	63.0	75.0	40.50	48.50	40.5	48.5

