

giz | PROKLIMA

[illegible]

Current Draw Record & Motor Insulation Resistance Test



Processing No:	Date:
Klient:	Company:
Address:	Name:
Facility:	Contact:

#	Contactor designation	Consumer load name	Manufacturer and Type	Rated current @ Voltage	L1	L2	L3	Overload protector	Set point	Circuit breaker
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										

Motor Insulation Resistance Testing (corrected for temperature) according to IEEE43 at 500 VDC

T_R is the reference temperature (°C) to which all measurements are corrected $> T_R = 40^\circ\text{C}$

T_A is the actual test temperature / K_T is the temperature correction factor at T_A

Equation to determine TAIR below $> TAIR = MIR \times K_T$

Date / Time	Measured Insulation Resistance Value / MIR (MΩ)	Temperature (°C) measured (T_A)	Temperature Adjusted Insulation Resistance Value / TAIR (MΩ)	Temperature Compensation Factor (K_T)

To determine the Temperature Compensation Factor K_T please refer the table to the right! >>

T_A °C	K_T	T_A °C	K_T	T_A °C	K_T	T_A °C	K_T	T_A °C	K_T	T_A °C	K_T	T_A °C	K_T	T_A °C	K_T
1	0.07	14	0.16	27	0.41	40	1	53	2.46	66	6.06	79	14.93	92	36.76
2	0.08	15	0.18	28	0.44	41	1.07	54	2.64	67	6.5	80	16	93	39.4
3	0.08	16	0.19	29	0.47	42	1.15	55	2.83	68	7	81	17.15	94	42.22
4	0.08	17	0.2	30	0.5	43	1.23	56	3.03	69	7.46	82	18.38	95	45.26
5	0.09	18	0.22	31	0.54	44	1.32	57	3.25	70	8	83	19.7	96	48.5
6	0.09	19	0.23	32	0.57	45	1.41	58	3.48	71	8.57	84	21.11	97	52
7	0.1	20	0.25	33	0.62	46	1.52	59	3.73	72	9.19	85	22.63	98	55.71
8	0.11	21	0.27	34	0.66	47	1.62	60	4	73	9.85	86	24.25	99	59.71
9	0.12	22	0.29	35	0.71	48	1.74	61	4.29	74	10.56	87	26	100	64
10	0.13	23	0.31	36	0.76	49	1.87	62	4.59	75	11.31	88	27.86	101	68.59
11	0.13	24	0.33	37	0.81	50	2	63	4.92	76	12.13	89	29.86	102	73.52
12	0.14	25	0.35	38	0.87	51	2.14	64	5.28	77	13	90	32	103	78.79
13	0.15	26	0.38	39	0.93	52	2.3	65	5.66	78	13.93	91	34.3	104	84.45

Technician Signature