



Certificate of Compliance

Certificate: 80161272 **Master Contract:** 303714
Project: 80161272 **Date Issued:** 2024-08-27
Issued to: Level Up Elevator components
99 Ortona Court
Concord, Ontario L4K 3M3
Canada
Attention: Paul Reinhart

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: Tai Pham
Tai Pham

CSA B44.1/ASME A17.5

PRODUCTS

Class 2411 02 ELEVATOR EQUIPMENT - Enclosed Elevator – and Escalator Electrical Equipment
Class 2411 82 ELEVATOR EQUIPMENT-Enclosed Elevator Electrical - Equipment-Certified to U.S. Standards

Gearless synchronous permanent magnet Elevator Machines, TENV, frequency inverter controlled, 380Vac max, 20 poles, insulation Class F, ambient 40C, starts per hour max, ED 30 % max, 615 rpm max, Types AK-X and AK2-X series as below

AK Series

Model	Motor	Output Power (kW)	Frequency (Hz)	Current (A max)
AK1	AYG180	1.2 - 6.1	16.7 - 102.5	15.3
AK2	AYG180	1.2 - 12.2	16.7 - 102.5	30.3
AK3	AYG180	2.4 -15.3	12.5 - 102.5	38.3
AK4	AYG180	3.9 - 24.5	12.5 - 102.5	61.2
AK5	AYG180	4.9 - 24.5	12.5 - 102.5	61.2
AK6	AYG180	6.2 – 24.5	12.5 – 102.5	61.2



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AK22	AYG220	2.4 – 12.2	10 – 102.5	30.6
AK23	AYG220	3.1 – 19.5	10 – 102.5	48.8
AK24	AYG220	4.9 - 19.5	10 – 102.5	57.8
AK25	AYG220	6.2 – 30.6	10 – 102.5	72.3
AK26	AYG220	7.7 – 38.3	10 – 102.5	90.3
AK27	AYG220	9.6 – 45.9	10 – 102.5	108.4
AK28	AYG220	11.6 – 53.6	10 – 102.5	126.5

Geared induction Elevator Machines, 400Vac, 50/60Hz, 1500/1800 rpm, 4 pole, TENV, frequency inverter controlled, insulation Class F, ambient 40 C, starts per hour max, ED 30 % max, Types ZFXX series as below

Machine Type	Motor Type	Output Power (kW)	Current (A max)
ZF60, ZF82, ZF102	AOM135	4.0	10.5
ZF60, ZF82, ZF102	AOM135	5.5	13.5
ZF60, ZF82, ZF102	AOM135	7.5	17.5
ZF60, ZF82, ZF102	AOM135	9.0	21.0
ZF60, ZF82, ZF102	AOM135	11.0	23.0
ZF112, ZF142	AOM200	11.0	23.0
ZF112, ZF142	AOM200	15.0	31.0
ZF112, ZF142	AOM200	18.5	35.6
ZF112, ZF142	AOM200	22.0	44.2
ZF112, ZF142	AOM200	30.0	59.3
ZF112, ZF142	AOM200	37.0	72.8

APPLICABLE REQUIREMENTS

CSA B44.1:19/ASME A17.5-2019 - Elevator and escalator electrical equipment

ANSI/UL 1004-1 (Second Edition) - UL Standard for Safety Rotating Electrical Machines – General Requirements

CSA C22.2 No. 100-14+Upd.1 (Seventh Edition) - Motors and generators



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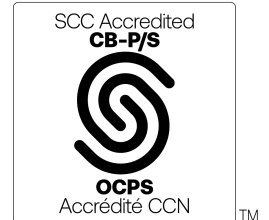
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Notes:

Products certified under Class(es) C241102, C241182 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
80161272	2024-08-27	Original Certification for AKIS Geared and Gearless machine.