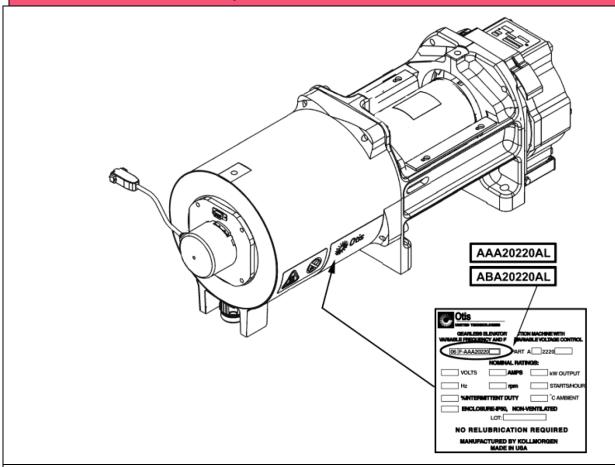
AC Gearless Machine, 1.5 T

Spare Parts Leaflet 06-AAA20220AL

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OBSOLESCENCE NOTICE

The product covered in this SPL has been designated as obsolete and is no longer supported. See TIP 32.2-1, Obsolete Components, for potential upgrade. Replacement lower level parts listed within and unique to this design are not being restocked when depleted. Some of these parts, depending on availability and other factors, may be quoted through Customer Service, but most will have extended lead times and increased cost due to low volume production.



OTIS

This document does not contain any technical data subject to EAR or ITAR

SERVICE ENGINEERING
Otis Elevator Company
Bloomfield, Connecticut USA

Unpublished Work—© Otis Elevator Co.; 2023

06-AAA20220AL

History

Leaflet Description

This elevator machine is designed for use with coated steel belts (CSB) of dimensions 30 mm wide x 3 mm thick. There are four basic machine variations referenced in this document:

- 1. 1.5T-A (340V) EN: For 490 to 680kg, 1.6m/s elevator duties, EN81:1 code compliant brake with single coil
- 2. 1.5T-B (340V) EN: For 490 to 680kg, 1.0m/s elevator duties, EN81:1 code compliant brake with single coil
- 3. 1.5T-P (170V) JIS: For 600kg, 1.0m/s elevator duties, EN81:1 code compliant brake with single coil (Japan)
- 4. 1.5T-M (170V) JIS: For 600kg, 1.75m/s elevator duties, EN81:1 code compliant brake with single coil (Japan)

Leaflet Revisions

Date Revised	Subject Matter Expert	Reason for Revision		
October 16, 2002	James Hubbard	New release		
December 15, 2004	Ben Watson	Added NOTE to Page 3.		
March 25, 2006	Ben Watson	Added ABA20220AL arrang	gement.	
January 15, 2007	Scott Boulanger	Added rationalized encode	r.	
January 12, 2011	Michael Lang	Updated brake part numbers on p. 6 (TAAto TBA/TCA.		
October 6, 2021		Updated replacement brake Legacy Brake Part No.	es as follows: New Brake Part	
	Arianisis Mangual Camilo Cardona	TCA20222BC7	TA A 00000 A O	
		TCA20222BC6	TAA20236AC (EN Only)	
		TAA20222BC8	(Liv Silly)	
		Added Brake Max Load		
March 22, 2023	Juan Murillo	Added OBSOLESCENCE	notice on the cover	

Related Drawings

Drawing No.	Title	Drawing No.	Title			
AAA20220AL	A. C. Gearless Machine Permanent Magnet 3 Phase Motor	AAA633Z	Encoder, Incremental Encoder, Gen 2 Rel 2			
ABA20220AL	A. C. Gearless Machine Permanent Magnet 3 Phase Motor					

Related Documents

Document ID	Title		
SPL 07-TBA20222BC	CR Brake for Gen2 System		

Subject Matter Expert

Name	Department	
Camilo Cardona	Otis Engineering Center, Farmington (OECF)	

About Spare Parts Leaflets...

This document lists the lowest replaceable units (LRUs) for the standard version of the product. The LRUs are chosen by a team of Otis associates representing engineering and manufacturing.

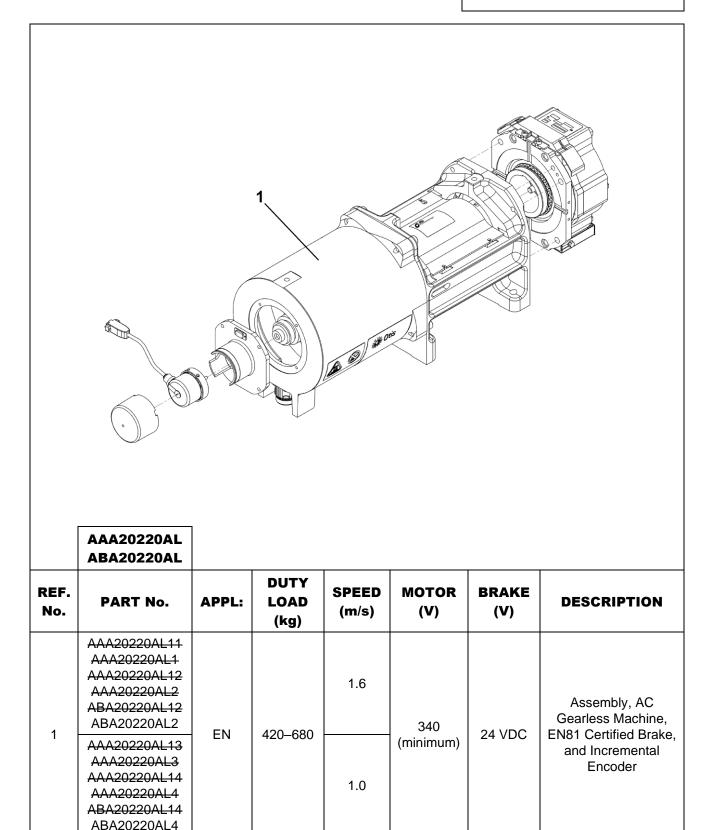
While goal of this document is to make parts identification as easy as possible, the document cannot be all-inclusive. Elevator and escalator contracts classified as "special" or "custom" are not addressed here. For such contracts, please refer to specified information, the contract folder, TIPs, Field Education Articles, Construction Letters, etc. for further information.

If you have any suggestions about this document, please contact the subject matter expert listed on this page.

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AC Gearless Machines

06-AAA20220AL

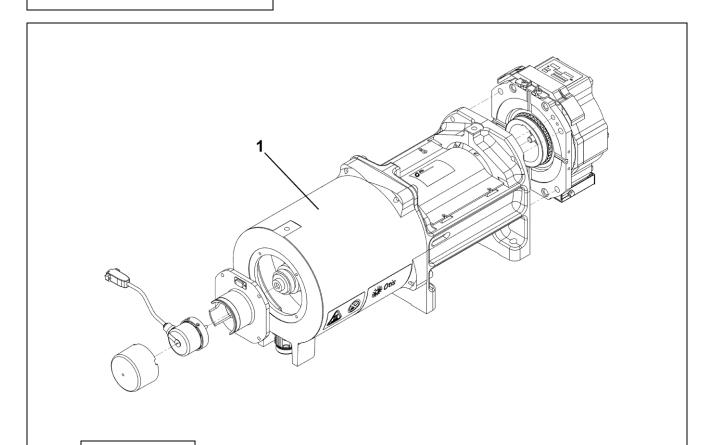


NOTE: See mounting hardware on p. 5.

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AC Gearless Machines



AAA20220AL ABA20220AL

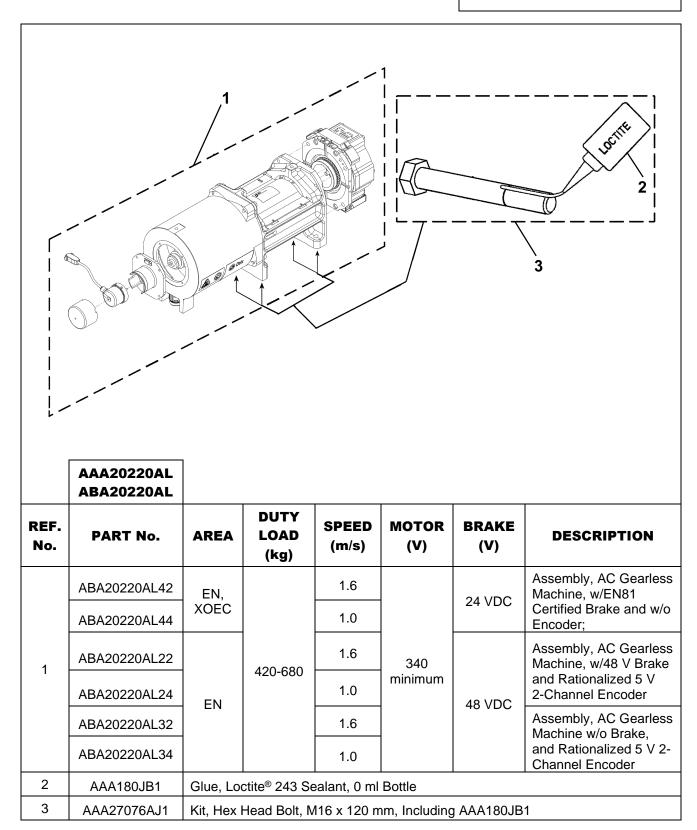
	71271202212						
REF. No.	PART No.	AREA	DUTY LOAD (kg)	SPEED (m/s)	MOTOR (V)	BRAKE (V)	DESCRIPTION
	AAA20220AL15 AAA20220AL5 ABA20220AL15 ABA20220AL5		600	1.0		24 VDC	Assembly, AC Gearless Machine, w/EN81 Certified Brake and Incremental Encoder; Motor Voltage = 513 V
	AAA20220AL16 ABA20220AL16 ABA20220AL6			1.75			
1	AAA20220AL17 AAA20220AL7 ABA20220AL17 ABA20220AL7	JIS 490 Korea 630	490	1.0	170		
	AAA20220AL18 AAA20220AL8 ABA20220AL18 ABA20220AL8			1.75			
	AAA20220AL52		630	1.0			
	ABA20220AL51		030	1.6			

NOTE: See mounting hardware on p. 5.

(Continued on next page)

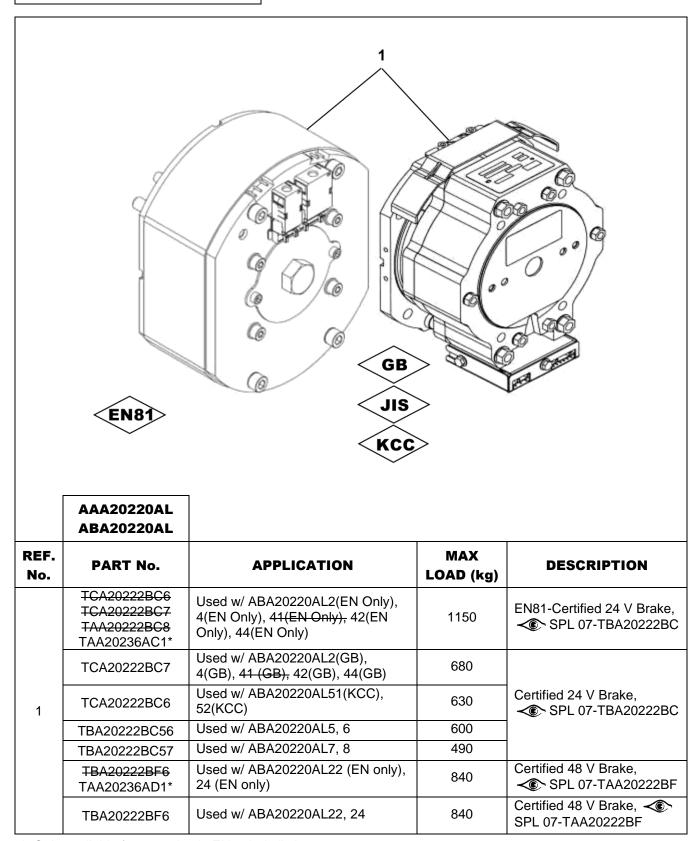
AC Gearless Machines

06-AAA20220AL



06-AAA20220AL

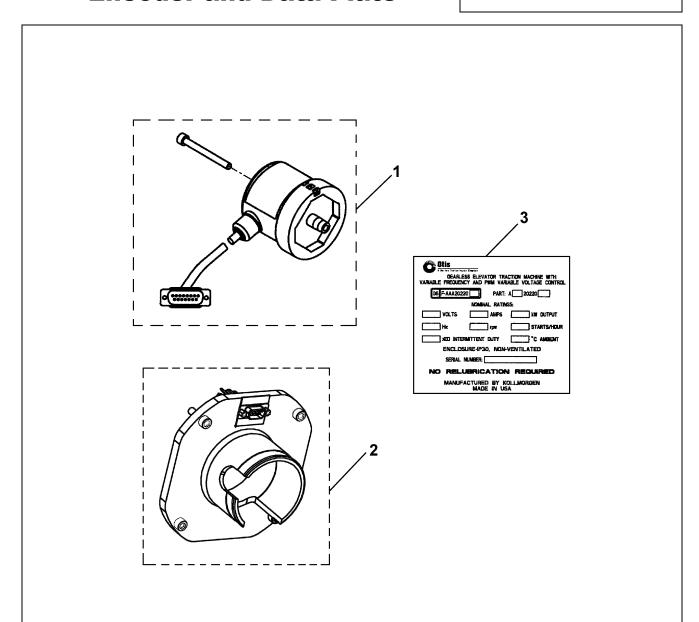
Brake



^{*} Only available for countries in EN81 jurisdiction.

Encoder and Data Plate

06-AAA20220AL



	AAA20220AL			
REF. No.	PART No.	APPLICATION	DESCRIPTION	
	AAA633Z1	Encoder, Incremental, w/ 5.1 m Cable	Used w/ AAA20220AL1, 2-18, 41-52	
	AAA633AG22	Encoder, Rationalized 5 V 2- Channel, w/ 5.1 m Cable	Used w/ AAA20220AL22, 24, 32, 34	
2	AAA20220R3	Kit, Encoder Hall Effect Replacement	All AAA20220AL Machines	
3	AAA102AHZ2	Plate, Data		