# AC Gearless Machine 1.5T

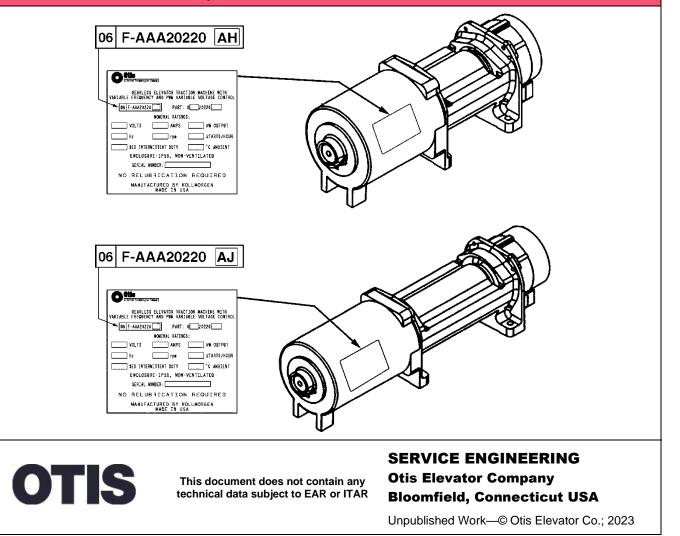
**Spare Parts Leaflet** 

# 06-AAA20220AH

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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.



## **Leaflet Description**

This leaflet provides spare parts information for type AAA20220AH and type AAA20220AJ AC gearless machines. These AC gearless machines were designed specifically for the Gen2 machine roomless elevator system used in EN applications, and they allow very quiet and efficient operation.

#### **Leaflet Revisions**

Date Revised	Subject Matter Expert	Reason f	or Revision
February 1, 2000	Thomas Hoffman	New Leaflet	
July 1, 2000	James Hubbard	Add brake replacement kit p	o. 4
September 30, 2001	Paul C. von Hardenberg	Supersede and add new res	scue encoder
January 15, 2002	James Hubbard	Add brake interface board (	BIB) as LRU p. 4
April 8, 2002	Paul C. von Hardenberg	Added LRUs for 24 V brake	applications
December 15, 2004	Ben Watson	Correct errors	
		Updates to brake replacement Legacy Brake Part No.	ents as follows: New Brake Part
September 22, 2021	Arianisis Mangual Camilo Cardona	AAA20236P4 AAA20236P5 AAA20236Q4 AAA20236Q5 TBA20222BE13 TAB20222BE41 AAA20236P1 AAA20236P2 AAA20236Q1 AAA20236Q2	TAA20236AC1 (EN Only) TAA20236AE1 (EN Only)
March 22, 2022		TBA20222BE11 TBA20222BE12 Added Applications and Mat	x Load
March 22, 2023	Juan Murillo	Added OBSOLESCENCE n	otice to the cover

#### **Related Drawings**

Drawing No.	Title	Drawing No.	Title
AAA20220AH	A.C. Gearless Machine	AAA633U	Encoder Rescue Sensor
AAA20220AJ	A.C. Gearless Machine	AAA633V	Encoder Absolute Position
AAA20236P	Brake (630 kg Machine)	AAA102AHZ	Plate, Data
AAA20236Q	Brake (1000 kg Machine)	AAA27076AH	Brake Interface PC Board Kit

Continued on Next Page

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#### **Related Documents**

Document ID	Title

#### **Subject Matter Expert**

Name	Department
Gary Mendrala	OSC Service Engineering

#### **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.

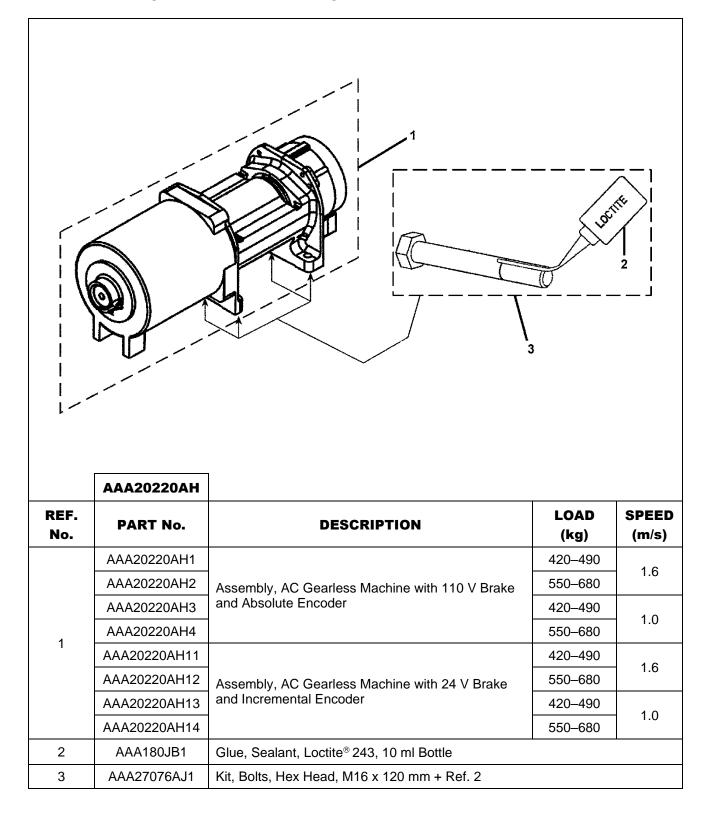
While goal of this document is to make parts identification as easy as possible, the document cannot be allinclusive. Elevator and escalator contracts classified as "special" or "custom" are not addressed here. For such contracts, please refer to specified information, the contract folder, TIPs, Field 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.

# **AC Gearless Machine**

06-AAA20220AH

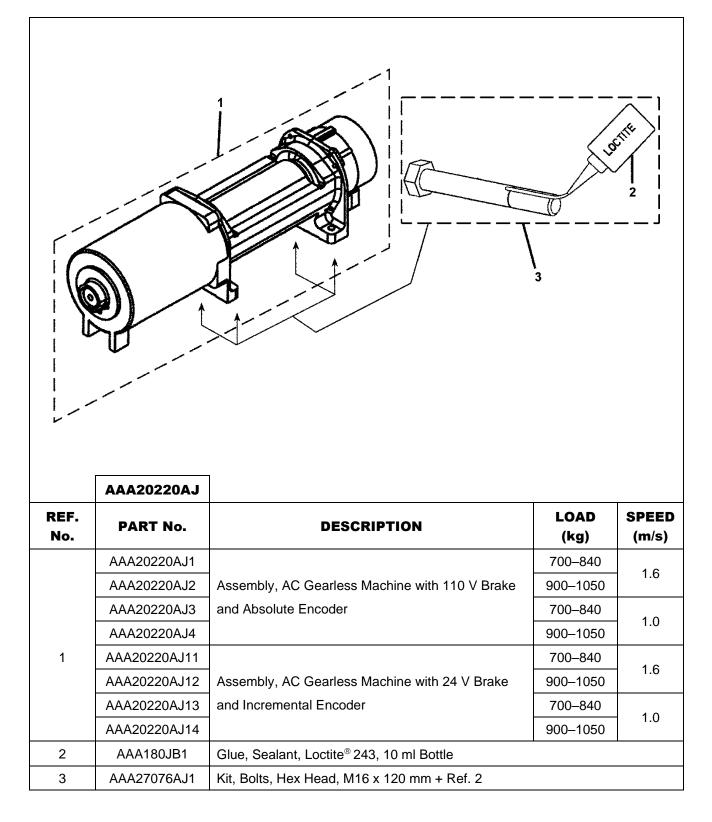
# (AAA20220AH)



#### 06-AAA20220AH

## **AC Gearless Machine**

# (AAA20220AJ)



## **Brake for AC Machine**

06-AAA20220AH

# (AAA20220AH)

REF. No.	PART No.	APPLICATION	MAX LOAD (kg)	DESCRIPTION
	AAA20236P4 AAA20236P5 TAA20236AC1*	Used w/ AAA20220AH11, 12, 13, 14	1150	Brake, EN81-Certified 24 V, See SPL 07-TBA20222BC
1	AAA20236P1 AAA20236P2 TBA20222BE13 TAB20222BE41 TAA20236AE1*	Used w/ AAA20220AH1, 2, 3, 4	1150	Brake, EN81-Certified 110 V, See SPL 07-TAA20222BE
	AAA27076AH1**	N/A	N/A	Kit, 110 V Brake Interface Board (BIB) Replacement (w/ Screws and Distance Pieces)
	AAA27076AH2**	N/A	N/A	Kit, 24 V Brake Interface Board (BIB) Replacement (with Screws and Distance Pieces)
	AAA27076X1**	N/A	N/A	Kit, Brake Replacement Hardware (special hardware required for removal and installing brake assembly)
2	AAA124HB1	NA	NA	Bolt for Removal of AAA20236P Brakes Only
	· · · · · · · · · · · · · · · · · · ·		e is currently not certi	

\* Only available for countries in EN81 Jurisdiction (this brake is currently not certified for Korea/KCC, Japan/JIS and China/GB).

\*\* Brake interface board and hardware kit is now obsolete; full brake replacement required (Ref. 1).

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### 06-AAA20220AH

# Brake for AC Machine (AAA20220AJ)

			Q	2
REF. No.	PART No.	APPLICATION	MAX LOAD (kg)	DESCRIPTION
	AAA20236Q4 AAA20236Q5 TAA20236AC1*	Used w/ AAA20220AJ11, 12, 13, 14	1150	Brake, EN81-Certified 24 V, See SPL 07- TBA20222BC
1	AAA20236Q1 AAA20236Q2 TBA20222BE11 TBA20222BE12 TAA20222BE12	Used w/ AAA20220AJ1, 2, 3, 4	1150	EN81-Certified 110 V Brake, SPL 07- TAA20222BE for Details
	TAA20236AE1*			
	AAA20236AE1*	N/A	N/A	Kit, 110 V Brake Interface Board (BIB) Replacement (w/ Screws and Distance Pieces)
		N/A N/A	N/A N/A	Kit, 110 V Brake Interface Board (BIB) Replacement (w/ Screws and Distance
	AAA27076AH1**			Kit, 110 V Brake Interface Board (BIB) Replacement (w/ Screws and Distance Pieces) Kit, 24 V Brake Interface Board (BIB) Replacement (w/ Screws and Distance

\* Only available for countries in EN81 jurisdiction (this brake is currently not certified for Korea/KCC, Japan/JIS and China/GB).

\*\* Brake interface board and hardware kit is now obsolete; full brake replacement required per Ref. 1.

## **Encoder & Data Plate**

## 06-AAA20220AH

		2	
		1	
	AAA20220AH & AAA20220AJ		
REF. No.		DESCRIPTION	
	& AAA20220AJ	DESCRIPTION Encoder, Hall Effect, Replacement Kit	
	& AAA20220AJ PART No.	Encoder, Hall Effect,	3 SERAL RAMERE NO RELUGRICATION REGULERED MANJFACTURED OF KOLLWORDEN MADE IN USA
No.	& AAA20220AJ           PART No.           AAA20220R3	Encoder, Hall Effect,	3 <b>APPLICATION APPLICATION APPLICATION APPLICATION AAA20220AH</b> , AAA20220AJ except as noted below: <b>AAA20220AH</b> with the following serial numbers: 00040036, 00070023, 00070024, 00070025, 00070039, 00070041, 00070042, 00080103, 00080104, 00090117 <b>AAA20220AJ</b> with the following serial numbers: 00060017, 00070043, 00080110, 00080113,
No.	& AAA20220AJ         PART No.         AAA20220R3         AAA20220R4	Encoder, Hall Effect, Replacement Kit	3