



JUKI

JUKI AMERICA, INC.

Parts Department

KE20 SERIES

*Industrial Sewing Machine Energy
Efficient Magnetic Servo Motor*

For Lockstitch, Overlock and Heavy Duty Machines

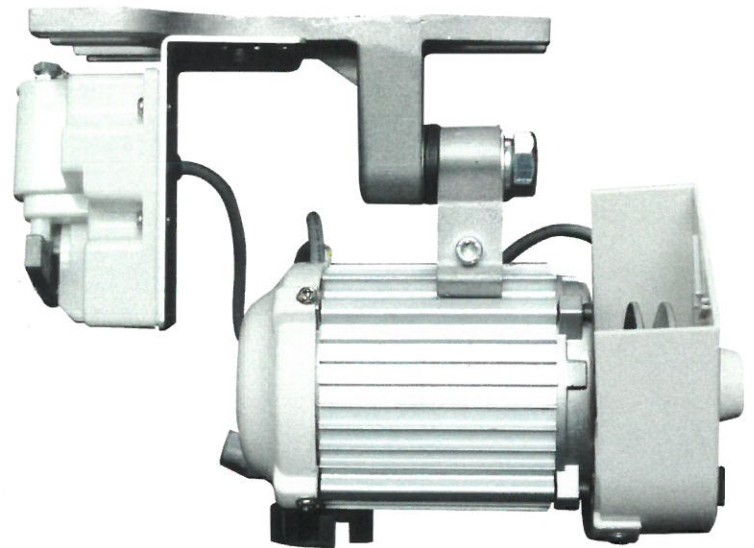


ISO9001

It's Time to Replace Your Clutch Motor with An Energy Saving Motor

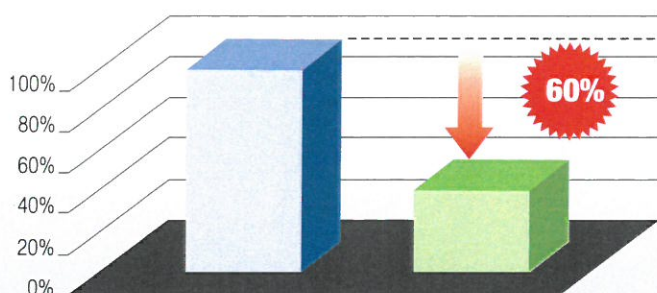
Economical, Energy Saving with Signals for Additional Functions

- Dual voltage - 110V and 220V Single Phase
- Lead free
- High power, low vibration, low noise level
- Brushless
- Automatic self-diagnostic system (error message)
- Energy saving
- Speed and motor rotation can be easily changed by digital push buttons
- Easy installation
- Signal for auto lifter, air suction, tape cutter and back tacking



Power consumption chart

At 1 ϕ 220V



Motor Specifications:

Uses:	Lockstitch/ Overlock	Two Needle Lockstich	Overlock	Heavy Duty
Type:	KE20AA/ SM55A	KE20AS1/ SM55A	KE20AA/SM65A	KE20BS1/ SM75A
Motor Rated Output:	550W	550W	650W	750W
Rated Speed:	4500r/min	4500r/min	4000r/min	3500r/min
Rated Torque:	1.48N.m	1.48N.m	1.76N.m	1.92N.m
Pulley Size:	80mm	65mm	80mm	65mm
Part Number	KE20AA/ SM55A-P80	KE20AS1/ SM55A-P65	KE20AA/SM65A-P80	KE20BS1/ SM75A-P65



Control Box

Control Box:

Overload Protection	Yes	Yes	Yes	Yes
Overvoltage Protection	Yes	Yes	Yes	Yes
Error Code	Yes	Yes	Yes	Yes
Auto Lifter Signal	Yes	Yes	Yes	Yes
Air Suction	Yes	Yes	Yes	Yes
Tape Cutting Switch	Yes	-	Yes	-
Back-Tack Switch	-	Yes	-	Yes
Power Voltage	Single Phase	Single Phase	Single Phase	Single Phase
Consumptions	100-240V	100-240V	100-240V	100-240V
Gross Weight	4.6Kgs	4.6Kgs	4.8Kg	5Kg



Optional Synchronizer/SY2D

Synchronizer Allows Accurate Up/Down Needle Positioning

KE20AA CONNECTING DIAGRAM

PIN	COLOR	FUNCTION
1	GRAY	0V
2	YELLOW	TAPE CUTTER
3	ORANGE	AIR SUCTION
4	BROWN	PRESSER FOOT
5	-	-
6	BLACK	TAPE CUTTER SWITCH
7	BLUE	DC24V
8	RED, WHITE	DC24V

KE20AS1,BS1 CONNECTING DIAGRAM

COLOR	FUNCTION
GRAY	0V
YELLOW	BACK - TACKING
ORANGE	AIR SUCTION
BROWN	PRESSER FOOT
-	-
BLACK	BACK - TACKING
BLUE	DC24V
RED, WHITE	DC24V

Optional Synchronizer/SY2D:

Needle Up/Down	Yes	Yes	Yes	Yes
Part Number	KE120-SYD	KE120-SYD	KE120-SYD	KE120-SYD

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