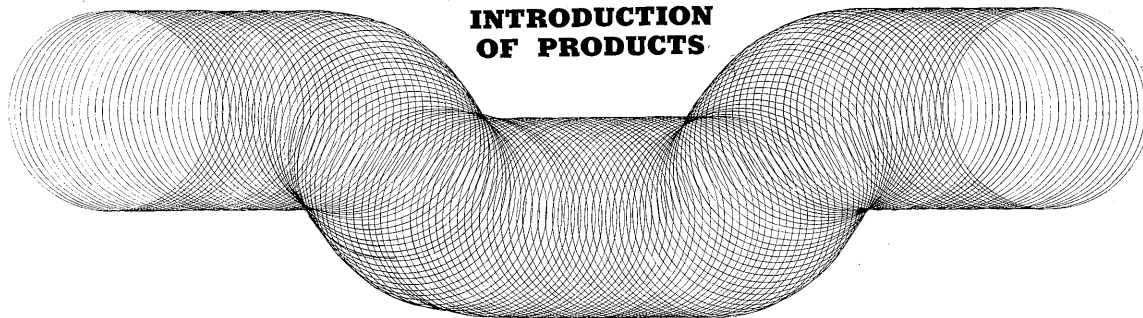


INTRODUCTION OF PRODUCTS



KS MOTOR WITH BRAKE

KS motor is our trade name for a variable speed motor. Here we introduce a KS motor with a brake, newly developed to give service where there is a requirement for frequent stops, starts, and quick speed acceleration.

1. Features

- 1) Braking is accomplished readily as this KS motor (variable speed motor) is provided with a smooth easily operated brake.
- 2) The flywheel effect (GD^2) of the drive shaft is very small, as it is so made that the KS drum is inside of the fixed pole and coil.
- 3) Because of the excellent torque characteristic, only a short time is required to stop or start. Thus excellent control is provided where quick speed follow-up is required.
- 4) For a tachometer, a high-frequency generator using a permanent magnet is adopted, so it is free from voltage fluctuation.
- 5) Our ordinary KS motor is 4-pole but in this series we also manufacture 2-pole motors on your request. (Maximum speed of driving shaft: 3000/2400 rpm, 50/60 c/s)

Motor can be manufactured and provided as follows:

Number of poles	Output of driving induction motor
4	Up to 15 kw
2	Up to 7.5kw

As an example, we quote below the specifications of 7.6 kw driving induction motor for a winding machine. (Model K 20/7 + KSB 20/7 + SORK 582-2)

2. Specifications

Induction motor (SORK 582-2)

Output : 7.5 kw Frequency : 50 c/s
Voltage : 200 v Speed : 2885 rpm
Current : 27 amp

Tachometer (FMI 25/2.4-16)

Output : 5 va }
Output voltage : 70 v } at 1200 rpm
Output current : 0.07 }

KS clutch and KS brake (KS 20/7 + KSB 20/7)

Torque : 1.78 kg-m

Exciting voltage : dc 110 v

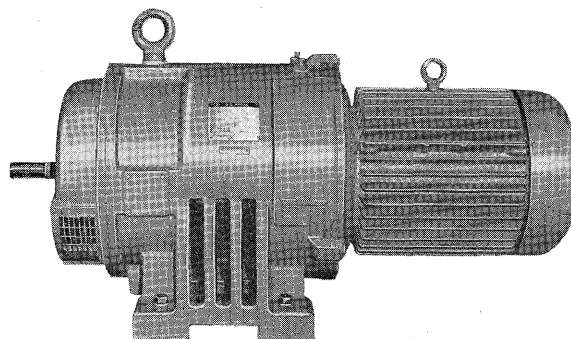
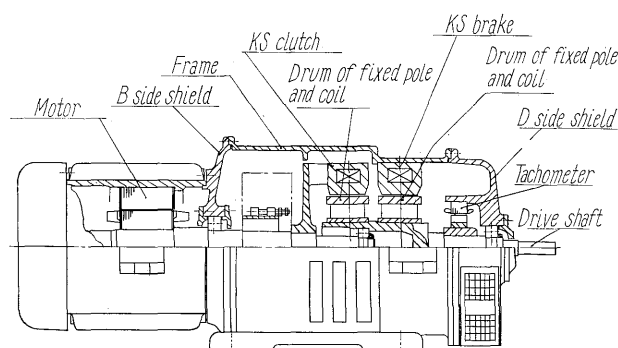
Speed control range : 800~2400 rpm

Starting time : 1~2 sec.

Braking time : 1~2 sec.

The abovementioned motor is especially manufactured with a very short starting and braking time to meet the special requirements of a winding machine.

Its starting time is $\frac{1}{3}$ that of an ordinary KS motor, and with the built-in brake its braking time is far shorter.



(By K. Takahashi, Mie Factory)