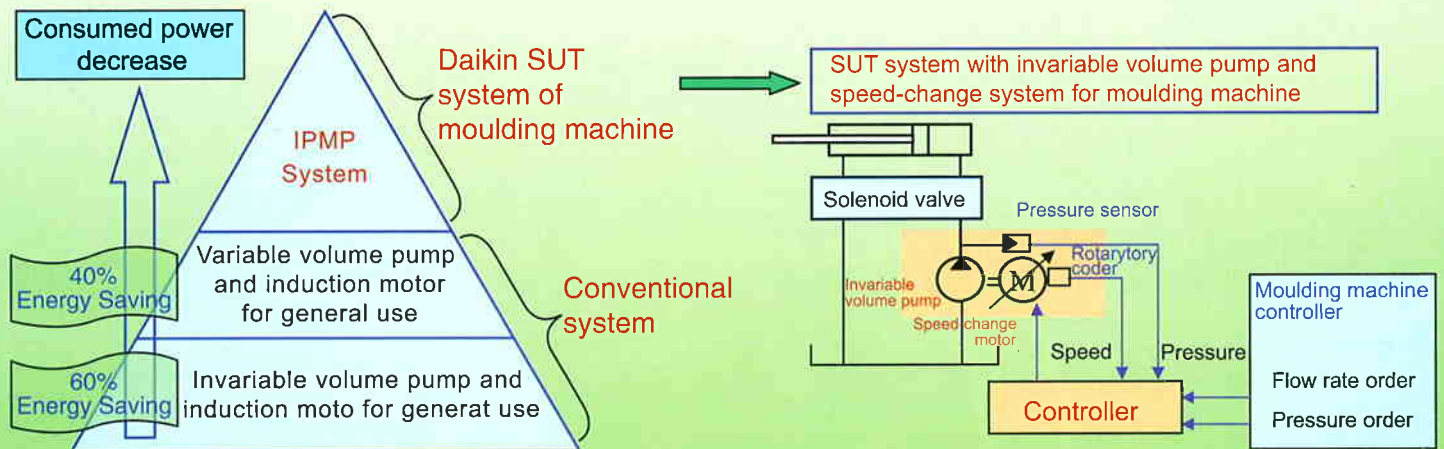


MOULDING MACHINE IPMP SYSTEM



- Save energy overwhelmingly ⇒ Decrease the cost of operation
- Energy saving, high precise speed and pressure controlling
- High efficiency ⇒ Restrict rising of oil temp. ⇒ Oil tank • Cooling unit compactly



■ High efficiency reluctance DC motor (IPM motor) for speed control

Rare-earth magnet

- Daikin unique rotor construction ⇒ High torque • High efficiency
- ⇒ Can generate motor torque greatly, materializes high level control technology (Hybrid system with hydraulic technology, digital control and motor control technology)
- ⇒ Super unit controls flow rate and switching automatically from flow rate control to pressure control when pressure is retained (pressure control), keep closed loop control and lower speed, to save energy overwhelmingly
- ⇒ High reliability and efficiency supported by air conditioning equipment



Note) IPM motor: Interior Permanent Magnet Synchronous Motor

■ Specification (SUT for moulding machine)

Item		SUT00S3018	SUT00S5021	SUT00S8018
Max. operating pressure	(MPa)	17.6	20.6	17.6
Min. operating pressure 1%F.S.	(MPa)	0.18	0.21	0.18
Max. flow rate	(ℓ/min)	30	50	80
Min. control flow rate 1%F.S.	(ℓ/min)	0.3	0.5	0.8
Pressure order input	(V)	DC 0~10		
Flow order input	(V)	DC 0~10		
Pressure monitor	(V)	DC 0~10		
Flow rate monitor	(V)	DC 0~10		
Power voltage		AC3Φ 200V/50Hz, 200V/60Hz, 220V/60Hz ±10%		
External input: Digital input		8ch-photo-coupler insulation、DC24V(maxDC27V) 5mA/1ch		
External output: Digital output		7ch-photo-coupler insulation、open-collector output DC24V 30mA or less/1ch		
External output: Alarm output		1ch relay output、contact capacity: DC30V 0.5A(resistive load) 1c contact		
Theoretical capacity of hydraulic pump	(cm ³)	9.13	20.7	32.4

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