

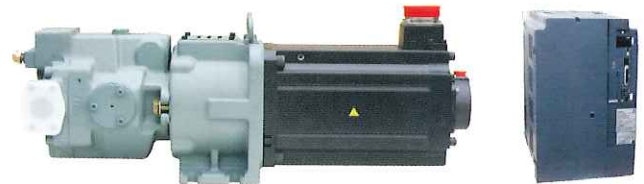
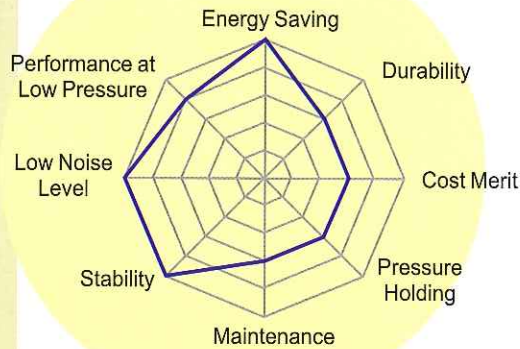
# ALL- ADVANTAGE MOLDING SYSTEM!

## Optimize your output!

The advantages of all electric, the advantages of hydraulic united in one compact unit  
**The ASR series Ultimate hydraulic control system for injection molding machine!**

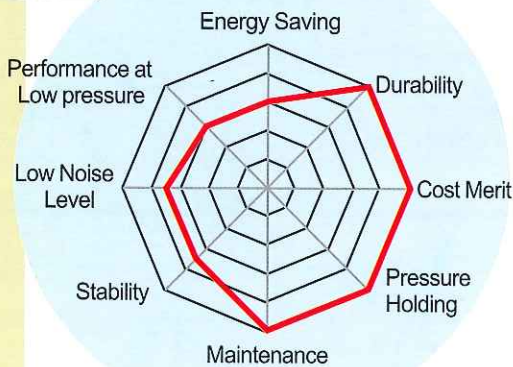
### AC servo motor driven revolution control system

All electric machine strengths

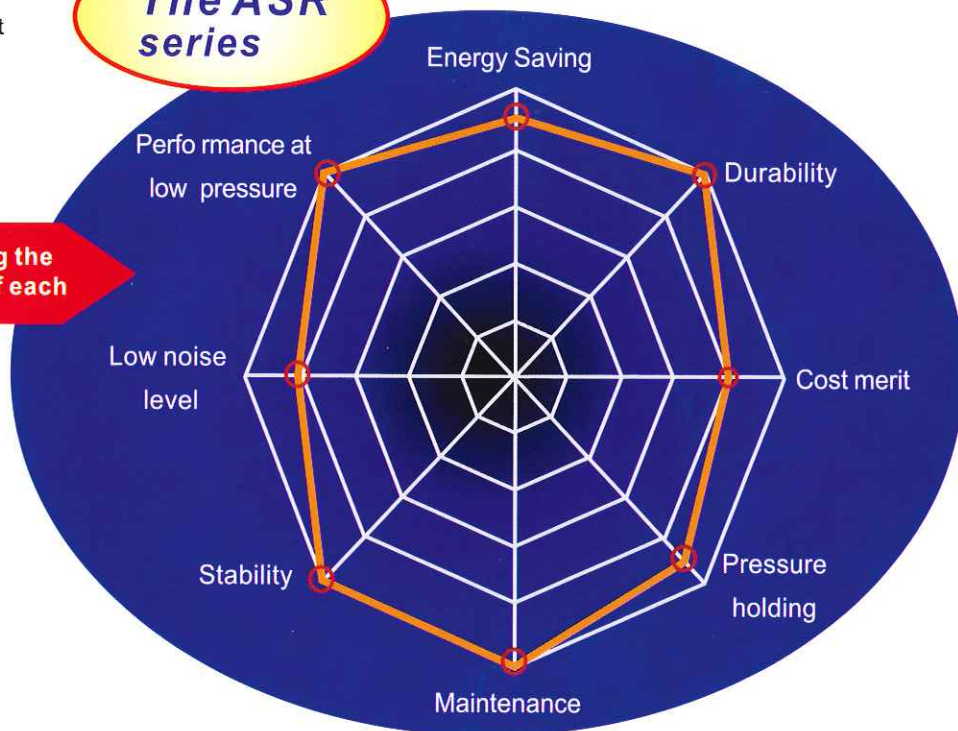


**The ASR series**

Conventional hydraulic machine strengths



by joining the strengths of each



## ULTIMATE CONTROL SYSTEM

### Merits of ASR series

- **Low cost** : Reduced initial and running costs compared to all electric machines
- **High performance** : Special high power motor (SPM) + variable displacement piston pump
  - ⇒ a. Extreme low speed molding and continuous pressure holding performance are both greatly improved
  - b. Excellent repeatability.
- **High response** : Ultra precision molding due to high response injection and high efficient piston pump
- **Energy saving** : Electric power consumption less than half of conventional hydraulic, or the same as all electric machine. Dramatic reduction in stand by power consumption
  - NEW ⇒ By using a 2 flow pump, we have now increased the energy saving and further reduced machine size
- **Longer lifetime** : Special servo coupling increases shaft lifetime
- **Less wiring** : The integrated controller+driver and exclusive cables means less wiring and less room for error



# Model Number and Specifications

## Model Number Designation

# ASR3-4G-HXS-A00-11

### Series

ASR1 ASR2  
ASR3 ASR5  
ASR10

### Power Supply

None:AC200V  
4:AC400V

### Power Drive Capacity

C~M

### Max. Operating Pressure

H: 21 MPa  
C: 16MPa(ASR2)

### Design No.

### Parameter No.

A00: Std. value at shipment

### Port Position (ASR1-ASR5)

None: Axial Ported, S: Side Ported

### Port position (ASR10)

A: Side Ported (Horizontal)  
B: Side Ported (Vertical)

### Pump displacement

X: Single, W: Dual flow

Note) The flow rate (Pump displacement) can be freely adjusted by the user.

## Specifications

	Series	ASR1	ASR2	ASR3	ASR5	ASR10
Flow Control	Max. Flow L/min	40	55	90	130	200
	Hysteresis	Less than 1%				
	Repeatability	Less than 1%				
	Max. Allowable Input Signal V	6.25			5.75	5.0
Pres. Control	Pressure Adjustment MPa	0.1 ~ 21	0.1 ~ 16	0.1 ~ 21		
	Hysteresis	Less than 1%				
	Repeatability	Less than 1%				
	Max. Allowable Input Signal V	6.25	4.57	6.25		
Supply	Electric Power Supply	AC200 to 230V· AC380 to 480V, 50Hz/60Hz, 3-Phases				
	Permissible Voltage Fluctuation	AC170 to 253V· AC323 to 528V, 50Hz/60Hz, 3-Phases				

### ASR series AC servo motor driven pump

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