



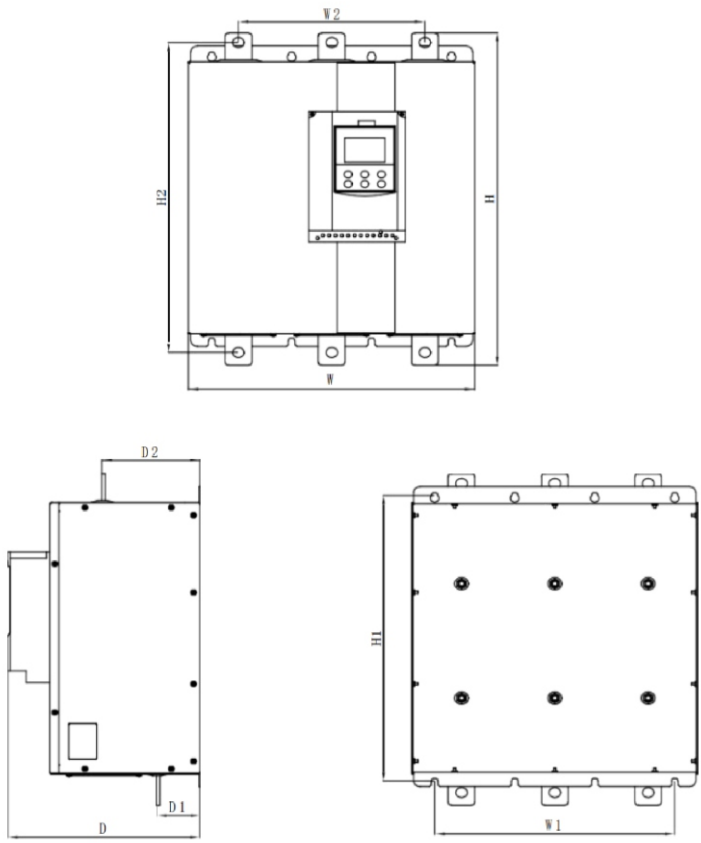
Application

This built-in bypass soft starter features advanced control and protection functions, as well as closed-loop control for stabilizing the soft-start torque. It offers a user-friendly, efficient and reliable solution for motor starting and operation. It is equipped with three internal relays and does not require external contactors. Its compact design is ideal for motor control centers with limited space, simplifying the installation process.

Main technical parameter

Item		Specifications
Model		RDJR6
Maximum motor power compatibility		22-400 kw
Input	Rated Voltage	3 phase 415V±15%
	Frequency	50/60Hz ±5%
Output	Voltage	3 phase 0~415V±15%
	Overload Capacity	150% rated current for 1 minute;180% rated current for 10s.
Control Performance	Control Mode	Voltage Mode, Current Mode
Protection Function	Multiple protection functions	Including over-current, over-heat, overload, input and output phase loss, starting timeout and other protections, all-round protection of the soft starter to ensure reliable operation.
Protection level	Protection level	Ip20
Installation environment requirements	Working storage environment temperature	Operating temperature: -10~40°Cæ(when the ambient temperature is 40°Cæ~50°Cæ, please derating the rating), no direct sunlight. Storage temperature: -20~60°C.
	Surroundings	Humidity within 90% (no condensation), vibration less than 0.6G; No corrosive, flammable, explosive, water-absorbent dust, and no accumulation of various lint.
	Altitude	0~1000m. The rating shall be derated by 10% for every 1000m increase.
Control Object	Motor	Standard wiring refers to the motor windings being connected in delta or star, with the thyristor connected between the power supply and the motor.. Inner delta connection refers to the motor windings being in a triangle—the thyristors are connected in series with the windings. The main advantage of the inner triangle control is that the soft starter can be selected at a reduced rating. The current flowing through the soft starter and the motor in the inner triangle connection is 1/1.732 of the line current. The above table uses the margin to select the soft starter, which is selected according to the line current/1.5Ie. During the selection process, the user can further reduce the rating of the soft starter according to the actual situation.

The Dimension and Installation Hole Size



Specifications	Outline Dimension (m m)			mounting dimension (m m)		Main circuit bar spacing(mm)				Hole (mm) Φ
	H	W	D	H1	W1	H2	W2	D1	D2	
RDJR6-22	321	185	180	285	140	319	104	68	66	1.2
RDJR6-30										
RDJR6-37										
RDJR6-45										
RDJR6-55										
RDJR6-75	413	210	253	355	172	393	122	117	122	Φ8
RDJR6-90										
RDJR6-110										

Specifications	Outline Dimension (m m)			mounting dimension (m m)		Main circuit bar spacing(mm)				Hole (mm) Φ
	H	W	D	H1	W1	H2	W2	D1	D2	
RDJR6-132	590	280	257	535	240	563	67	121	108	Φ8
RDJR6-160										
RDJR6-185										
RDJR6-200										
RDJR6-220										
RDJR6-250	413	210	253	355	172	393	122	117	122	Φ8
RDJR6-280										
RDJR6-315										
RDJR6-350										
RDJR6-400	413	210	253	355	172	393	122	117	122	Φ8