

Constant pressure

Constant current

Constant speed

Constant Temperature

Synchronous asynchronous dual-drive

Zero water hammer

Zero fatigue

Wireless cascade operation

Bluetooth auto online

4G remote monitor

Built-in no water protector

Power off memory

Intelligent sleep

16pumps cascade operation

Portable installation

Simple pressure setting

REMOTE INTELLIGENT CONNECTION

1.Download APP

2.Scan the product Smartlink QR code,or tap "+" in the upper right corner to add a device

3.APP operation interface



Remote start/stop control

Water pump operation data

MODEL: AR300 - F0300 L 43
INPUT: 3PH 380V 50/60Hz
OUTPUT: 3PH 0~380V 0~400Hz
POWER: 30.0KW 58.0A

S/N
42422515003

AR 300 - F0300 L 43

63:3HP input AC660V 3PH output 660V
43:3HP input AC400V 3PH output 400V
33:3HP input AC220V 3PH output 220V
23:1HP input AC220V 3PH output 220V
21:1HP input AC220V 1PH output 220V



AR300:Cabinet type professional pump variable frequency controller

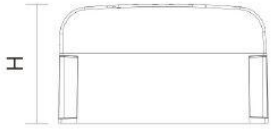
MARK	Power
0007	0.75kw
0011	1.1kw
0015	1.5kw
0022	2.2kw
0030	3.0kw
0040	4.0kw
0055	5.5kw
0075	7.5kw
0110	11.0kw
0150	15.0kw
0185	18.5kw
0220	22.0kw
0300	30.0kw
0370	37.0kw
0450	45.0kw

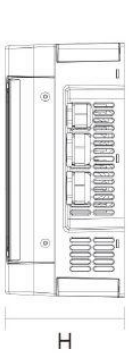


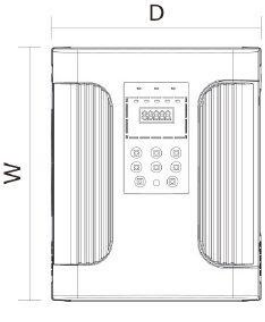


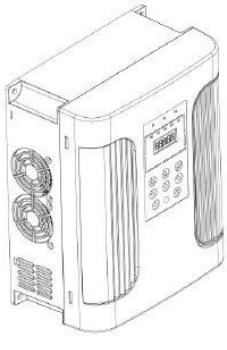


SHAPE DIM :R302
R303
R305









SHAPE DIM :R302
R303
R305

SHAPE DIM	Dimensions			Installation size	
	W	D	H	H1	W1
R302	225	185	100	225	160
R303	283	233	133	265	215
R305	320	270	172	320	270

Inverter model	Adapted motor		Rated output current	
	kW	HP	A	
IPH single-phase input / 3PH three-phase input: AC220V,50/60HZ				
AR 300-F0007 L 23/33/43	0.7	1	4	R302
AR 300-F0015 L 23/33/43	1.5	2	7	R302
AR 300-F0022 L 23/33/43	2.2	3	10	R302
AR 300-F0030 L 23/33/43	3	4	13.5	R302/R303
AR 300-F0040 L 23/33/43	4	5.5	16	R303
AR 300-F0055 L 33	5.5	7.5	25	R303/R305
AR 300-F0075 L 33	7.5	10	32	R305
AR 300-F0110 L 33	11	15	45	R305
AR 300-F0150 L 33	15	20	60	R305
3PH three-phase input: AC220V,50/60HZ				
AR 300-F0015 L 43	1.5	2	3.7	R302
AR 300-F0022 L 43	2.2	3	5.1	R302
AR 300-F0030 L 43	3	4	6.5	R302
AR 300-F0040 L 43	4	5	8.5	R303
AR 300-F0055 L 43	5.5	7.5	13	R303
AR 300-F0075 L 43	7.5	10	16	R303
AR 300-F0110 L 43	11	15	25	R303/R305
AR 300-F0150 L 43	15	20	32	R305
AR 300-F0185 L 43	18.5	25	38	R305
AR 300-F0220 L 43	22	30	45	R305
AR 100-F0300 L 43	30	40	60	R306
AR 100-F0370 L 43	37	50	75	R306
AR 100-F0450 L 43	45	60	90	R306

Item		Specification
Basic functions	Control system	Current Vector VFD---Performance and functions are specially for water pump
	Drive performance	High efficiency drive induction motor and synchronous motor
	Max. frequency	Vector control: 0~300Hz V/F control: 0~3200Hz
	Carrier frequency	0.5kHz~15kHz
		Auto regulate the carrier frequency for different load
	Input frequency	Digital setting: 0.01Hz
		Analog setting: Max. Frequency x0.025%
	Control mode	SVC FVC V/F
	Start torque	0.5Hz/110%
	Speed control range	1:100(SVC) 1:1000(FVC)
	Speed accuracy	0.5%(SVC) 0.02%(FVC)
	Pressure accuracy	0.01Mpa
	Torque control accuracy	5%(FVC)
	Accel/decel curve	Lines or S curve accel/decel way
		4 independent setting 0.0~6500.0s
	Jog control	Jog frequency range: 0.00Hz~50.00Hz
		Jog accel/decel time: 0.0s~6500.0s
	Auto voltage regulate	Output voltage keep constant
	Over voltage/current ontrol	Voltage & current auto limit to avoid over current/voltage trip
	Quick current limit	Limit the over current trip to protect VFD normal running
Running	Order given	Keypad setting, control terminal setting, communication setting (4G/WIFI setting is optional)
	Frequency given	keypad setting, analog voltage setting, analog current setting,communication setting (4G/WIFI setting is optional)
	Pressure given	Keypad setting, control terminal setting, communication setting (4G/WIFI setting is optional)
	Input/output terminal	4 digital input terminals; 2 relays output terminals
		2 analog 4-20mA input terminals
Display and keypad operation	LED display	Parameter display
	Button lock& function choose	Parameters lock. To define parameter ranges to avoid wrong operation
	Protect functions	Input/output phase failure protection, Over current protection;Over voltage protection;Under voltage protection; Overheat protection; overload protection,etc
Environment	Installation location	Indoor in which there is no direct sunlight, dust, erosive gas, combustible gas, oil smoke, water vapor, dripping, salt, etc.
	Altitude	1000m or lower
	Ambient temperature	-10 ~+40 (If it is 40 -50,please derating using)
	Ambient humidity	Below 90% RH(non-condensing)
	Vibration	<5.9m/s²(0.6g)
	Storage temperature	-20 ~+60