





PI5 Specifications ___

	Series No.	2007	2010	2015	2020	2025	2030	2040	2050	2060	2075	2100	2125	2150
	Rated Power of Motor (HP/KW)	7.5/5.5	10/7.5	15/11	20/15	25/18.5	30/22	40/30	50/37	60/45	75/55	100/75	125/90	150/110
200V	Rated Continuous(KVA)	9.5	13	18	23	28	34	44	55	67	84	112	132	154
Series	Rated Output Current (A)	25	33	46	60	74	90	115	145	175	220	295	346	405
	Rated Output Voltage					3 \$ 2	200~24	0V						
	Power Source(PH, V, Hz)	3 ¢ 200 ∼240V, 50/60Hz												
	Tolerance of Power Source Voltage	ge 176~264V, 50/60Hz												

	Series No.	4007	4010	4015	4020	4025	4030	4040	4050	4060	4075	4100	4125	4150	4175	4200	4250	4300	4420
	Rated Power of Motor (HP/KW)	7.5/5.5	10/7.5	15/11	20/15	25/18.5	30/22	40/30	50/37	60/45	75/55	100/75	125/90	150/110	175/132	200/160	250/200	300/220	420/315
400)/	Rated Continuous(KVA)	11	14	18	23	30	34	46	56	66	84	114	134	160	193	232	287	316	445
400V Series	Rated Output Current (A)	14	18	24	30	39	45	61	73	87	110	150	176	210	253	304	377	415	585
	Rated Output Voltage	3 ∮ 380∼480V																	
	Power Source(PH, V, Hz)	3 ∮ 380∼480V, 50/60Hz																	
	Tolerance of Power Source Voltage	332~528V 50/60Hz																	



USE FREQUENCY INVERTER LOVE OUR EARTH







Green Tech. Green Life.

Due to the energy crisis and emission of carbon dioxide constrained by Kyoto Protocol, energy saving and carbon reduction are become the most critical issues globally.

According to the global statistics, motors consume over 60% of power generated. Therefore, the most effective solution to save energy is to improve the operation efficiency of motors.

RHYMEBUS leads the industry in developing the inverter control technology for hydraulic pump controllers. Throughout the years of testing and running, it really achieves the power consumption saving.

RHYMEBUS inverters are widely applied for various hydraulic mechanisms such as plastic injection molding machine, mold press machine, hydraulic machine, squeezing machine, hollow forming machine, and many

Basic Principle

The power consumption of an injection machine mainly consists of four major parts:

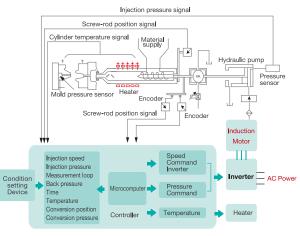
Main Power Equipment	Power Consumption	Energy Saving by Inverter
Hydraulic Pump	75 - 80%	0
Heating	10 - 15%	×
Cooling Pump	5 - 10%	0
Other Signal	1 - 5%	×

A hydraulic pump uses over 75% of total power consumption. Although the amount of oil applied by a hydraulic pump is fixed, the demand of the oil during the injection process is varied. By installing the inverter technology, the power consumption can be obviously reduced, and the production efficiency can be improved.

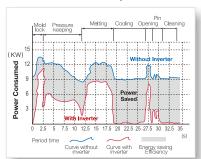
Inverter Advantages

- 1. Save up to 25~60% of total power consumption. Improve the production efficiency. Accelerate the investment return.
- 2. Reduce the starting current of a motor. Scenario can be seeing significantly when a power generator is used.
- 3. The hydraulic oil temperature obviously drops 5°C~15°C to extend the lifetime of oil seal, and also to reduce the consumption of cooling water.
- 4. Smooth start to reduce the hydraulic pressure impact. Effectively reduce noise and equipment failure rate.
- 5. Shorten the production cycle and increase the productivity under specific molding conditions.
- 6. After installing the inverter, the operational process is as same as before.

Working principle of energy improvement for PIMM with inverter control

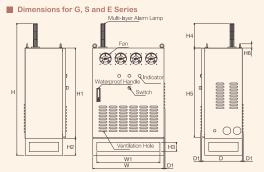


Comparison Diagram of Power Consumption



Combination of RHYMEBUS **Control Panel** for G, S and E Series

Item		Quantity	G	s	Е
1	Box	1	~	~	~
2	Support	1	~	~	~
3	Support Wheel (optional)	4			
4	AC Reactor(ACL)	1	~	~	~
5	DC Reactor(DCL)	1	~		
6	Non-fuse Breaker (NBF)	1	~	~	
7	Wire Protector	1	~	~	~
8	Magnetic Contact (MC)	2	~	~	
9	Line Noise Filter(RFI)	2	~	~	~
10	Fan (amount depending on horsepower)	2	~	~	~
11	Indicator (three colors)	3	~	~	~
12	Multi-layer Alarm Lamp (three colors) (optional)	1			



Remark: 1. After the item 4 and 5 (ACL+DCL) are installed, the power factor can achieve over 90%.

2.PI5-2007~2015/4007 ~ 4020/ without DCL and with ACL.

3. After the item 6 and 8 are installed, the original power can be used and non-fuse breaker can provide protection when failure.

PI5 Dimensions The dimensions of customized product are under discussion. The dimensions are subject to change without notice.

Model Number	Dimension (mm)												
200V Series	Н	H1	H2	НЗ	H4	H5	H6	W	W1	D	D1	case	
2007													
2010	996	600	150	80	246	590	50	480	410	290	4	1	
2015													
2020													
2025	4000		160	80	246	700		570	490	320	4	0	
2030	1206	800				790	50					2	
2040													
2050													
2060	1316	900	170	80	246	890	50	700	610	400	4	3	
2075													
2100	1646	1200	200	120	246	1190	50	830	750	522	4	4	
2125					_		المسمال بما						
2150					C	ustomized	product					/	

Model Number	Dimension (mm)												
400V Series	Н	H1	H2	H3	H4	H5	H6	W	W1	D	D1	case	
4007											4		
4010	996	600	150	80	246	590	50	480	410	290		1	
4015	000	000	100	00	240	000		100		200	-		
4020													
4025								570	490	320	4		
4030				80	246	790	50						
4040	1206	800	160									2	
4050													
4060													
4075													
4100	1316	16 900	170	80	246	890	50	700	610	400	4	3	
4125													
4150	1646	1200	200	120	246	1190	50	830	750	522	4	4	
4175													
4200	1996	1650	100	_	246	1595	50	850	_	534	4	5	
4250													
4300	Customized product												
4420					C	ustoffizet	a product						