



**KAY INDUSTRIES**  
Incorporated

**PHASE** PERFECT®

Digital Phase Converter

230 V | Voltage Doubling™ | 460 V  
(230 V 1PH to 460 V 3 PH)



**PT**  
SERIES  
7.5 HP to 175 HP



**PTE**  
SERIES  
7.5 HP to 20 HP



**PTS**  
SERIES  
3 HP to 7.5 HP



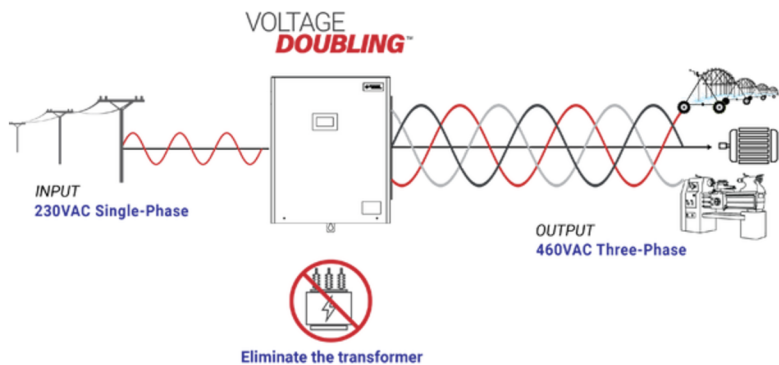
**INTUITIVELY**  
**ENGINEERED**

# PHASE PERFECT® Model Comparison

Features	PT SIMPLE®	PT ENTERPRISE®	PT PERFORMANCE®
Solid-State Phase Conversion	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Robust Load Protection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Enclosure Rating	NEMA 1 / NEMA 3R	NEMA 1 / NEMA 3R	NEMA 1 / NEMA 3R
Utility-Grade Three Phase Output	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Multiple Load Capability	<input checked="" type="checkbox"/> <b>1</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Regenerative Load Capability	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Temp Rating	40° C (104° F)	40° C (104° F)	50° C (122° F)
Voltage-Doubling	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ducted Cooling	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
508A Panel Shop Customization	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<sup>1</sup> May derate output voltage during harder starting loads to reduce peak starting current.

**PTE**  
SERIES



Part Number	Horsepower	Output kVA	Input Range	Output Voltage Range	Max Steady State Output	Max AC Input	Standby Power Consumption	NEMA 3R Dimensions (H x W x D)	NEMA 1 Dimensions (H x W x D)
<b>230 V Models - PT Simple   230 V 1PH to 230 V 3PH</b>							1 Max starting capacity of 5 HP depending on application		
PTS003	3 HP	4.5 kVA	187 - 260 V	Equal To Input	11 A	19 A	60 W	18" x 12" x 6"	18" x 12" x 11"
PTS005	5 HP	7.4 kVA	187 - 260 V	Equal To Input	18 A	31 A	60 W	18" x 12" x 6"	18" x 12" x 11"
PTS007	7.5 HP1	10.8 kVA	187 - 260 V	Equal To Input	26 A	45 A	70 W	18" x 12" x 7"	18" x 12" x 12"
<b>460 V Models - PT Simple   460V 1PH to 460 V 3PH</b>									
PTS405	5 HP	8.3 kVA	440 - 520 V	Equal To Input	10 A	18 A	48 W	18" x 15" x 7"	19" x 15" x 12"
PTS407	7.5 HP	10.8 kVA	440 - 520 V	Equal To Input	13 A	22 A	52 W	18" x 15" x 7"	19" x 15" x 12"
<b>230 V Models - PT Enterprise   230 V 1PH to 230 V 3PH</b>									
PTE007	7.5 HP	10.8 kVA	187 - 260 V	Equal To Input	26 A	45 A	70 W	26" x 17" x 8"	26" x 19" x 12"
PTE010	10 HP	14.9 kVA	187 - 260 V	Equal To Input	36 A	62 A	74 W	26" x 17" x 8"	26" x 19" x 12"
PTE015	15 HP	21.6 kVA	187 - 260 V	Equal To Input	52 A	90 A	77 W	28" x 17" x 9"	30" x 20" x 16"
PTE020	20 HP	26.6 kVA	187 - 260 V	Equal To Input	64 A	111 A	80 W	28" x 17" x 9"	30" x 20" x 16"
<b>460 V Models - PT Enterprise   230 V 1 PH to 460 V 3PH</b>									
PTE207	7.5 HP	10.8 kVA	187 - 260 V	Approx. 2x input	13 A	45 A	200 W	34" x 18" x 9"	35" x 20" x 14"
PTE210	10 HP	14.9 kVA	187 - 260 V	Approx. 2x input	18 A	62 A	320 W	34" x 18" x 9"	35" x 20" x 14"
PTE215	15 HP	22.4 kVA	187 - 260 V	Approx. 2x input	27 A	94 A	435 W	34" x 18" x 9"	35" x 20" x 14"
PTE220	20HP	26.6 kVA	187 - 260 V	Approx. 2x input	32 A	111 A	550 W	34" x 18" x 9"	35" x 20" x 14"
<b>460 V Models - PT Enterprise   460 V 1PH to 460 V 3PH</b>									
PTE407	7.5 HP	10.8 kVA	440 - 520 V	Equal To Input	13 A	22 A	52 W	28" x 17" x 9"	30" x 20" x 16"
PTE410	10 HP	14.9 kVA	440 - 520 V	Equal To Input	18 A	32 A	68 W	28" x 17" x 9"	30" x 20" x 16"
PTE415	15 HP	22.4 kVA	440 - 520 V	Equal To Input	27 A	48 A	71 W	28" x 17" x 9"	30" x 20" x 16"
PTE420	20 HP	26.6 kVA	440 - 520 V	Equal To Input	32 A	55 A	74 W	28" x 17" x 9"	30" x 20" x 16"
<b>230 V Models - PT Performance   230 V 1PH to 230 V 3PH</b>									
PT007	7.5 HP	10.8 kVA	187 - 260 V	Equal To Input	26 A	45 A	70 W	38" x 25" x 20"	37" x 25" x 17"
PT010	10 HP	14.9 kVA	187 - 260 V	Equal To Input	36 A	62 A	74 W	38" x 25" x 20"	37" x 25" x 17"
PT020	20HP	26.6 kVA	187 - 260 V	Equal To Input	64 A	111 A	80 W	38" x 25" x 20"	37" x 25" x 17"
PT030	30 HP	39.4 kVA	187 - 260 V	Equal To Input	95 A	165 A	175 W	35" x 21" x 19"	33" x 21" x 15"
PT040	40 HP	54.0 kVA	187 - 260 V	Equal To Input	130 A	225 A	190 W	39" x 23" x 20"	36" x 23" x 16"
PT050	50 HP	68.5 kVA	187 - 260 V	Equal To Input	165 A	286 A	235 A	46" x 26" x 20"	45" x 26" x 19"
PT060	60 HP	78.9 kVA	187 - 260 V	Equal To Input	190 A	329 A	260 W	46" x 26" x 20"	45" x 26" x 19"
PT075	75 HP	99.7 kVA	187 - 260 V	Equal To Input	240 A	416 A	300 W	46" x 26" x 20"	45" x 26" x 19"
<b>460 V Models - PT   460 V 1PH to 460 V 3PH</b>									
PT407R	7.5 HP	10.8 kVA	440 - 520 V	Equal To Input	13 A	22 A	52 W	31" x 23" x 15"	31" x 17" x 15"
PT410R	10 HP	14.9 kVA	440 - 520 V	Equal To Input	18 A	32 A	68 W	31" x 23" x 15"	31" x 17" x 15"
PT415R	15 HP	22.4 kVA	440 - 520 V	Equal To Input	27 A	47 A	71 W	31" x 23" x 15"	31" x 17" x 15"
PT420R	20 HP	26.6 kVA	440 - 520 V	Equal To Input	32 A	55 A	74 W	31" x 23" x 15"	31" x 17" x 15"
PT430R	30 HP	38.2 kVA	440 - 520 V	Equal To Input	46 A	80 A	87 W	38" x 25" x 20"	37" x 25" x 17"
PT440R	40 HP	50.7 kVA	440 - 520 V	Equal To Input	61 A	105 A	180 W	46" x 26" x 20"	45" x 26" x 17"
PT450R	50 HP	64.0 kVA	440 - 520 V	Equal To Input	77 A	134 A	190 W	46" x 26" x 20"	45" x 26" x 17"
PT460R	60 HP	75.6 kVA	440 - 520 V	Equal To Input	91 A	157 A	220 W	46" x 26" x 20"	45" x 26" x 17"
PT475R	75 HP	88.9 kVA	440 - 520 V	Equal To Input	107 A	185 A	270 W	46" x 26" x 20"	45" x 26" x 17"
PT4100R	100 HP	118.0 kVA	440 - 520 V	Equal To Input	142 A	246 A	300 W	46" x 26" x 20"	45" x 26" x 17"
PT4150R	150 HP	164.4 kVA	440 - 520 V	Equal To Input	198 A	343 A	300 W	46" x 26" x 20"	45" x 26" x 17"
PT4175R	175 HP	182.9 kVA	440 - 520 V	Equal To Input	220 A	381 A	300 W	46" x 26" x 20"	45" x 26" x 17"

PT(E) 3.0\_04172023



Kay Industries Manufacturer of Phasemaster®  
3 Phase Rotary Converters.  
Distributor of Phase Perfect™ Digital Converter  
7834 Queen Rd, Plymouth, IN 46550

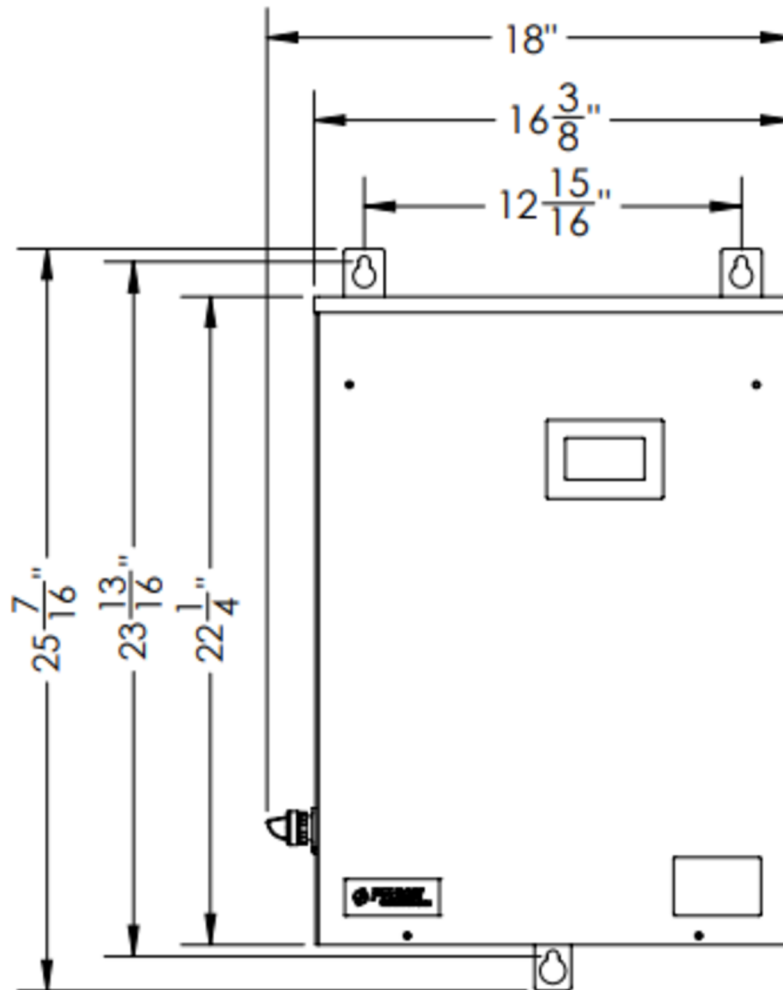


www.kayind.com  
(574) 236-6220

Other Brands Distributed:  
Miniphase™, Kandlestick™, Phazpak Technologies.



# PTE-007 Dimensions



## Have Questions?

Contact Kay Industries, your 3 phase converter experts.

[www.kayind.com](http://www.kayind.com)  
(574) 236-6220