

# Indoor Condensing Units

Reciprocating Compressor Technology



## **ABOUT US**

The world is evolving faster than ever, so are we, we are rethinking, everything that goes into our technology moving forward and embracing the future.

We understand our role and responsibility as a global citizen to protect the environment.

We are building our future with a focus on natural refrigerants, revolutionizing the industry with variable speed technology and relentlessly innovating with our value-added system solutions.

Tecumseh Products India Pvt. Ltd. Subsidiary of Tecumseh Products Company is a leading global manufacturer of hermetic compressors ranging in capacity from 1/15-7 horsepower, as well as offering a complete line of condensing units and systems for use in residential and commercial refrigeration and air conditioning applications.

From chilling to freezing, Tecumseh compressors, condensing units and systems offer solutions, we sometimes take for granted: safe food storage, ice cream at just the right temperature, a cold refreshment and a comfortable home or work environment.

### **Tecumseh Products is present almost in all cold chain process.**

- Commercial Refrigeration
- Domestic Refrigeration or Freezer
- Coldroom, Bulk Milk Coolers, IceCubes
- Specialty Air Conditioning

## NOMENCLATURE

S No.	1	2	3	4	5	6
	THK	9410	Y	CG	N	A

- 1 Compressor Platform - THK, AE, TYA, AW, TAG ..etc
- 2 Compressor model as per Application and Capacity
- 3 Refrigerant - Y-R134a, Z-R404A, E-R22 ..etc
- 4 Compressor Voltage code - CG, JE, XN, XG, ZT ..etc
- 5 N - India
- 6 A - Compressor, Condenser with Fan motor, Pencil Type Filter Drier  
B - Compressor, Condenser with Fan motor, Liquid Receiver, Adjustable HP/LP.

## ASHRAE / T RATING CONDITIONS

Application	Ambient Temperature	Eaporating Temperature	Condensing Temperature	Return Gas Temperature	Liquid Temperature
	°C	°C	°C	°C	°C
High Back Pressure (HBP)	35	7.2	54.4	35	46
High/Medium Back Pressure(HMBP)	35	7.2	54.4	35	46
Commercial Back Pressure(CBP)	35	-6.7	54.4	35	46
Low Back Pressure (LBP)	32	-23.3	54.4	32	32

### FRACTIONAL HORSE POWER (230V 1Ph 50Hz)

Application	New Model Nomenclature	Compressor Model	Compressor Cooling Capacity (Btu/Hr)	Compressor Power (W)	Compressor Current (A)	Fan motor Shaft Power Each (W)	Fan motor Current Each (A)	No of Fan Motors	Fan Motor Input Power Each (W)	Unit Dimensions			Mounting Hole Dimensions		Weight (Kg)
										L (mm)	W (mm)	H (mm)	B (mm)	C (mm)	
<b>R-134a</b>															<b>STANDARD</b>
LBP	THK1365YCGNA	THK1365YCG	540	128	1.00	10	0.3	1	45	285	360	246	230	220	14
	THK2390YJENA	THK2390YJE	770	160	0.85	10	0.3	1	45	355	410	306	305	260	19
	AE2415YGHNA	AE2415YGH	1170	270	1.78	10	0.3	1	45	355	410	306	305	260	21
CBP	THK9384YCGNA	THK9384YCG	755	148	1.20	10	0.3	1	45	285	360	246	230	220	16
	THK9410YCGNA	THK9410YCG	940	175	1.40	10	0.3	1	45	285	360	246	230	220	16
	THK9414YJENA	THK9414YJE	1250	230	1.85	10	0.3	1	45	285	360	246	230	220	16
	THK9417YJENA	THK9417YJE	1600	260	1.18	10	0.3	1	45	355	410	306	305	260	19
HMBP	AE4440YGHNA	AE4440Y-GH3C	3650	417	2.00	10	0.3	1	45	355	410	306	305	260	20
	AE4460YGHNA	AE4460Y-GH3C	5400	635	3.00	10	0.3	1	45	355	410	306	305	260	20
	TYA4466YKSNA	TYA4466YKS	5900	845	4.90	16	0.35	1	50	355	410	306	305	260	28
	TYA4475YKSNA	TYA4475YKS	7100	822	3.94	16	0.35	1	50	355	410	306	305	260	30
	TYA4489YKSNA	TYA4489YKS	8200	980	4.76	16	0.35	1	50	380	460	306	350	275	35
<b>R-134a</b>															<b>LOW HEIGHT</b>
LBP	THK2390YJENA	THK2390YJE	770	160	0.85	10	0.3	1	45	310	460	260	267	280	25
	THK2411YGHNA	THK2411YGH	910	202	1.40	10	0.3	1	45	310	460	260	267	280	25
	AE2415YGHNA	AE2415YGH	1170	270	1.78	10	0.3	1	45	310	460	260	267	280	25
CBP	THK9417YJENA	THK9417YJE	1600	260	1.18	10	0.3	1	45	310	460	260	267	280	25
HMBP	AE4440YGHNA	AE4440Y-GH3C	3650	417	2.00	10	0.3	1	45	310	460	260	267	280	25
	AE4460YGHNA	AE4460Y-GH3C	5400	635	3.00	10	0.3	1	45	310	460	260	267	280	25
	AE4460YGHNA	AE4460Y-GH3C	5400	635	3.00	10	0.3	1	45	500	400	240	440	230	28
<b>R-22</b>															<b>STANDARD</b>
HMBP	TYA9467EKSNA	TYA9467EKS	9800	1270	5.30	16	0.35	1	50	380	460	306	350	275	35
<b>R-404A</b>															<b>STANDARD</b>
LBP	TYA2438ZKSNA	TYA2438ZKS	3175	745	4.00	16	0.35	1	50	355	410	306	305	260	28
	TYA2446ZKSNA	TYA2446ZKS	3980	925	4.48	16	0.35	1	50	380	460	306	350	275	28
CBP	TYA9456ZKSNA	TYA9456ZKS	4900	970	6.25	16	0.35	1	50	380	460	306	350	275	35
	TYA9472ZKSNA	TYA9472ZKS	6000	1122	7.57	16	0.35	1	50	380	460	306	350	275	35
	TYA9486ZKSNA	TYA9486ZKS	7125	1370	7.62	90	1.1	1	194	512	607	445	472	390	75

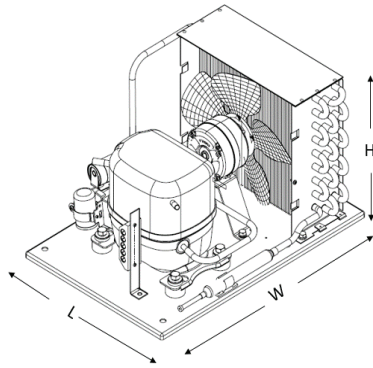
### HIGH HORSE POWER (230V 1Ph 50Hz)

Application	New Model Nomenclature	Compressor Model	Compressor Cooling Capacity (Btu/Hr)	Compressor Power (W)	Compressor Current (A)	Fan motor Shaft Power Each (W)	Fan motor Current Each (A)	No of Fan Motors	Fan motor Input Power Each (W)	Unit Dimensions			Mounting Hole Dimensions		Weight (Kg)
										L (mm)	W (mm)	H (mm)	B (mm)	C (mm)	
<b>R-134a</b>															<b>STANDARD</b>
HMBP	AWS4515YGENB	AWS4515YGE	12500	1200	5.40	93	1.1	1	165	575	607	475	472	390	82
	AWS4518YXCNB	AWS4518YXC	15500	1490	6.75	93	1.1	1	165	575	607	475	472	390	82
	AWS4525YXCNB	AWS4525YXC	21200	2040	9.50	185	0.8	1	120	575	607	545	472	390	88
<b>R-22</b>															<b>STANDARD</b>
HMBP	AWS4522EGENB	AWS5522EGE	20700	2080	10.00	185	0.8	1	120	575	607	545	472	390	88
	AWS4530EGHNB	AWS5530EGH	26800	2720	12.20	185	0.8	1	120	575	607	545	472	390	88
<b>R-404A</b>															<b>STANDARD</b>
LBP	AWS2470ZGENB	AWS2470ZGE	5800	1300	7.90	93	1.1	1	165	575	607	475	472	390	82
	AWS2495ZGENB	AWS2495ZGE	8350	1250	7.50	185	0.8	1	120	575	607	545	472	390	88
HMBP	AWS4522ZXNNB	AWS4522ZXN	20200	2120	11.45	185	0.8	1	120	575	607	545	472	390	88
	AWS4532ZXNNB	AWS4532ZXN	27000	2900	17.60	185	0.8	1	120	575	607	545	472	390	88

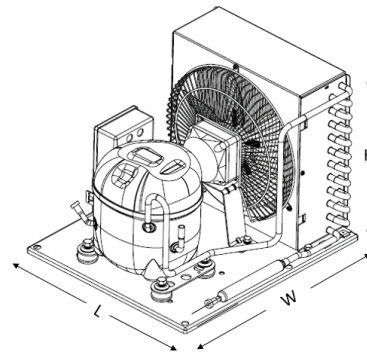
### R-134a STANDARD

### HIGH HORSE POWER (380V 3Ph 50Hz)

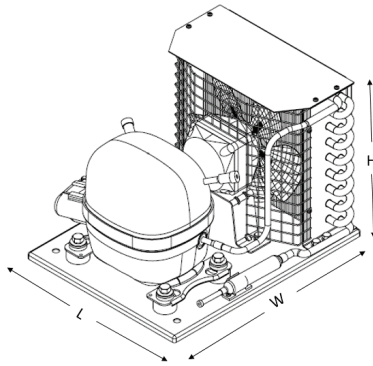
Application	New Model Nomenclature	Compressor Model	Compressor Cooling Capacity (Btu/Hr)	Compressor Power (W)	Compressor Current (A)	Fan motor Shaft Power Each (W)	Fan motor Current Each (A)	No of Fan Motors	Fan motor Power each (W)	Unit Dimensions			Mounting Hole Dimensions		Weight (Kg)
										L (mm)	W (mm)	H (mm)	B (mm)	C (mm)	
HMBP	AWS4518YXGNB	AWS4518YXG	15000	1450	2.50	93	1.1	1	165	575	607	475	472	390	82
	AWS4525YXGNB	AWS4525YXG	20480	1965	3.38	185	0.8	1	120	575	607	545	472	390	88
<b>R-22</b>															<b>STANDARD</b>
HMBP	AWS4522EGFNB	AWS4522EGF	19500	1980	3.40	185	0.8	1	120	575	607	545	472	390	88
	AWS4530EGFNB	AWS4530EGF	26400	2575	4.30	185	0.8	1	120	575	607	545	472	390	88
	AWS4538EGFNB	AWS4538EGF	31900	3075	5.35	124	1	1	145	575	607	545	472	390	88
	AWS4542EXGNB	AWS4542EXG	35660	3500	6.00	124	1	2	145	1075	632	445	934	350	145
	TAG4573TTZNB	TAG4573TTZ	61158	7160	11.00	185	0.8	2	120	1075	632	567	934	350	165
<b>R-404A</b>															<b>STANDARD</b>
LBP	AWS2512TZNB	AWS2512TZ	11500	2270	4.20	93	1.1	2	165	995	612	475	854	390	95
	TAG2516TZNB	TAG2516TZ	13530	3011	5.40	93	1.1	2	165	995	612	475	854	405	128
	TAG2522TZNB	TAG2522TZ	18270	3624	6.50	93	1.1	2	165	1075	632	567	934	350	135
	TAG2525TZNB	TAG2525TZ	20454	4078	7.00	124	1	2	145	1075	632	592	934	350	165
HMBP	AWS4522ZXGNB	AWS4522ZXG	19400	2000	3.20	185	0.8	1	120	575	607	545	472	390	88
	AWS4532ZXGNB	AWS4532ZXG	25600	2640	4.12	185	0.8	1	120	575	607	545	472	390	88
	AWS4544ZXGNB	AWS4544ZXG	37000	4060	6.70	185	0.8	2	120	1075	632	445	934	350	145
	TAG4573TZNB	TAG4573TZ	58000	7143	12.70	185	0.8	2	120	1075	632	567	934	350	165
TAG4581TZNB	TAG4581TZ	62400	7942	12.70	185	0.8	2	120	1075	632	592	934	350	165	



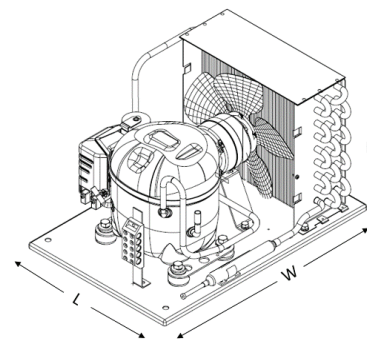
**Low Height FHP : TH**  
 THK9417YJEXR  
 THK2390YJEXR  
 THK2411YGHXR



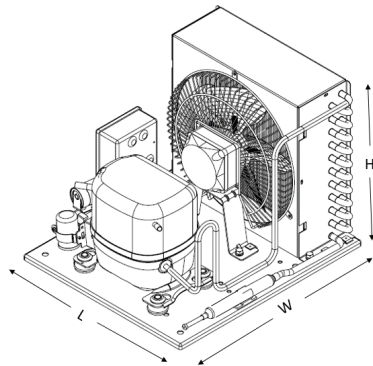
**Standard FHP: AE**  
 AE4440YGHXR  
 AE2415YGHXR



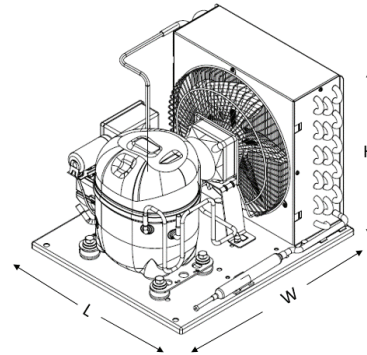
**Standard FHP : TH**  
 THK1365YCGXR  
 THK9410YCGXR  
 THK9384YCGXR  
 THK9414YGHXL



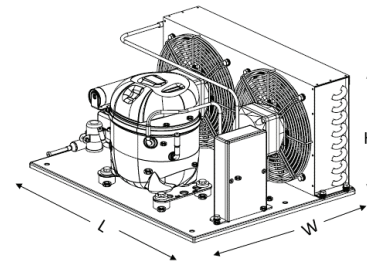
**Low height Single fan: AE**  
 AE2415YGHXR  
 AE4440YGHXR



**Standard FHP : TH**  
 THK9417YJEXR  
 THK2390YJEXR

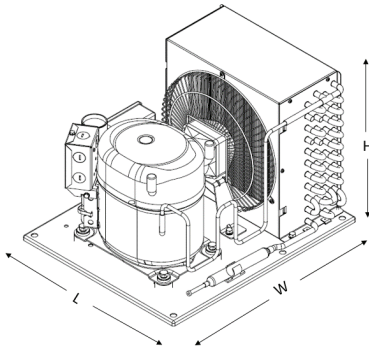


**Standard FHP: AE**  
 AE4460YGHXR

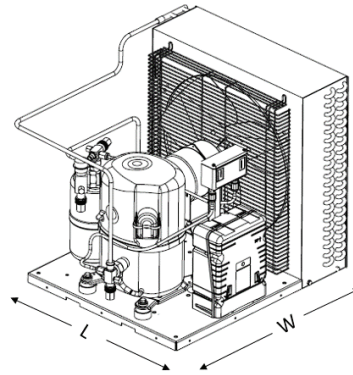


**Low height Twin fan: AE**  
 AE4460YGHXR



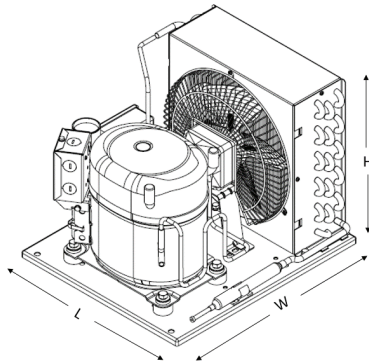


Standard FHP: TYA  
TYA9467EKS  
TYA4489YKS

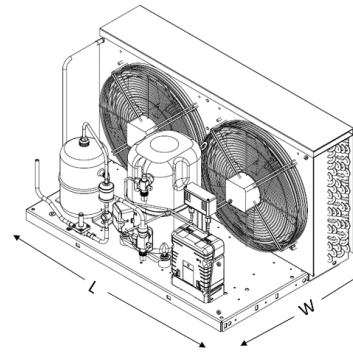


Standard HHP: AW

AWX2460ZGEXR  
AWS4522ZXNNA  
AWS4532ZXNNA-S  
AWS4520EGENB  
AWS4524EGENB  
AWS2512TZ-S  
AWS4538EGFNB-S

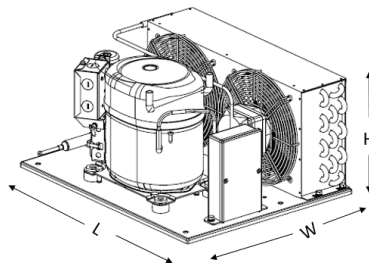


Standard FHP: TYA  
TYA4466YKS  
TYA4475YKS



HHP Condensing Unit: AG

TAGT2516ZBR  
TAGT2522ZBR  
TAG2525Z-TZ  
TAGT4573ZHR  
TAGT4581ZHR



Low height Twin fan: TYA  
TYA4475YKS



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## TECUMSEH PRODUCTS INDIA PRIVATE LIMITED

### REGISTERED OFFICE

Survey No. 667/P and 784/P, Kistapur Village,  
Medchal-Malkajgiri District, Hyderabad, Telangana - 501 401, India

### COMPRESSORS PLANT

38 KM. Stone, Delhi - Mathura Road,  
Ballabgarh - 121 004, India