

# PRODUCT PLATFORMS

AL



1/10<sup>th</sup> HP to 6 HP



TH

TC

AE

HG

TYA

AL

AJ

AW

AG



VTC



MASTERFLUX

# APPLICATIONS

### Milk cooler



AJ, FH  
AG, VS, AW

### Walk In



AE, AJ, FH,  
AG, AW

### Display case



AE, AJ, AK,  
HG, VTC

### Beverage coolers



AE, AJ, AK,  
VTC

### Industrial process



AJ, RG, AG,  
RG, RK, RN

### Ice machine



TH, AE,  
AJ, FH  
AG, AK,  
AW

### Reach In



AE, AJ, FH, AG  
HG, AK, AW,  
VTC

### Others: Medical, Specific food



AE, AJ, HG, VTC,  
Masterflux

# BEVERAGE COOLER / VISI-COOLER



No Of Cases ( Liters)	Model
1 ( 100 )	THK9384YCG
2 (150)	THK9410YCG
4 (175- 250)	THK9414YCG
7 (280 -400)	THK9417YJE
9 (400-550)	AE4440YGH
12 (600 -850)	AE4460YGH

R-134a TH , AE<sup>2</sup> compressors for Visi – Cooler applications approved for Coke – D conditions

# DEEP FREEZERS/ CHEST FREEZERS



Volume( Liters)	Model
70 – 110	THK1340YCF
100 - 150	THK1351YJF
200 - 250	THK1365YCG
250 - 300	THK1374YFS
300 - 400	THK2390YJE
400 - 450	THK2411YGH
500	AE2415YGH



R-134a TH , AE<sup>2</sup> compressors for Deep freezer application

# FREEZER ON WHEELS COMPRESSOR

Model : THK2390YJE

- Specially designed for 110L Ice cream Freezer on Wheels
- Improved design to with stand higher vibrations
- Light weight & Compact in its category
- Works in High ambient



## WATER COOLERS



Flow rate	
LPH	Model
3 LPH (Bubble top)	THK1330Y
10-15	THK9384Y
20	THK9410Y
30-35	THK9417Y
40	AE4440Y
60	AE4460Y
80	TYA4475Y
100	TYA9467E
150	AWS4515Y
200	AWQ5522E/AWS4525Y
300	AWR5530E

Water In let 32 Deg C , Water Out let 13 Deg C



# Display Cabinets



## Display Cabinet

Sizes	Refrigerant	Models	Refrigerant	Models
3 Feet	R 134a	THK9417YJE	R 404A	AE4430Z
4 Feet	R 134a	AE4440YGH	R 404A	AE4440Z
5 Feet	R 134a	AE4460YGH	R 404A	AE4460Z
6 Feet	R 134a	TYA4475YKS	R 404A	AE4470Z/TYA9456ZKS
7 Feet	R 22	TYA9467EKS	R 404A	TYA9472ZKS

# Under Counter ( Coolers )



Under Counters ( Coolers )				
Sizes	Refrigerant	Current Models	Future Refrigerant	Future Models
300L/ 400L	R 134a	THK9417YJE / AE4440YGH	R 404A	AE4440Z
400L/ 500L	R 134a	AE4460YFZ	R 404A	AE4460Z
500L/ 600L	R 134a	TY4475YKS	R 404A	TYA9456Z/AE4470Z
700L/ 1000L	R 22	TYA9467EKS	R 404A	TYA9472Z



# Freezers



Freezers				
Sizes	Refrigerant	Current Models	Refrigerant	Future Models
300L	R 134a	THK2390YJE	R 404A	AE2415Z
400L	R 134a	THK2390YJE	R 404A	
500L	R 134a	AE2415YGH	R 404A	
600L			R 404A	
800L			R 404A	
1000 - 1200 L	R 404a	CAJ2446Z	R 404A	CAJ2446Z
1200 - 1500 L	R 404a	AWS2470ZGE / CAJ2464Z	R 404A	AWS2470ZGE / CAJ2464Z

# Reach In Chillers



## Reach In Refrigerator

Sizes	Refrigerant	Current Models	Future Refrigerant	Future Models
500L	R 134a	AE4460YGH	R 404A	AE4460Z
1000L	R 22	TYA9467EKS	R 404A	TYA9472ZKS

# AIR DRYERS

Refrigerated - air dryers ( Air flow CFM)	Model
80 CFM	AKR4460YGH
100 CFM	AKR4476YGH
300 -350 CFM	AWS4522CGH
400CFM	AWS4530CGH



## ICE CANDY : APPLICATION



No of Candies of 60ml/Day	Model
2350	CAJ2432Z / AE2430Z*
4000	CAJ2446Z
6000	AWS2495Z
10000	AWS2512Z

# RANGE LBP R404A FOR LOW TEMPERATURE



2400- 3800



3900- 6000



1160 - 1600



770 - 1200



250 - 790

- Capacities at ASHRAE LBP (-23.3/54.4)
- Reliable and Optimized for Low temperature Applications
- Wider Operating envelop -40 Deg C to -10 Deg C

0      0.5      1.0      1.5      2.0      4.0      6.0 kW

# RANGE HMBP R404A ,R407C,R22 FOR MEDIUM TEMPERATURE



6000- 11300

3000- 6000



2000 – 3000



970 - 2000



500 - 1100

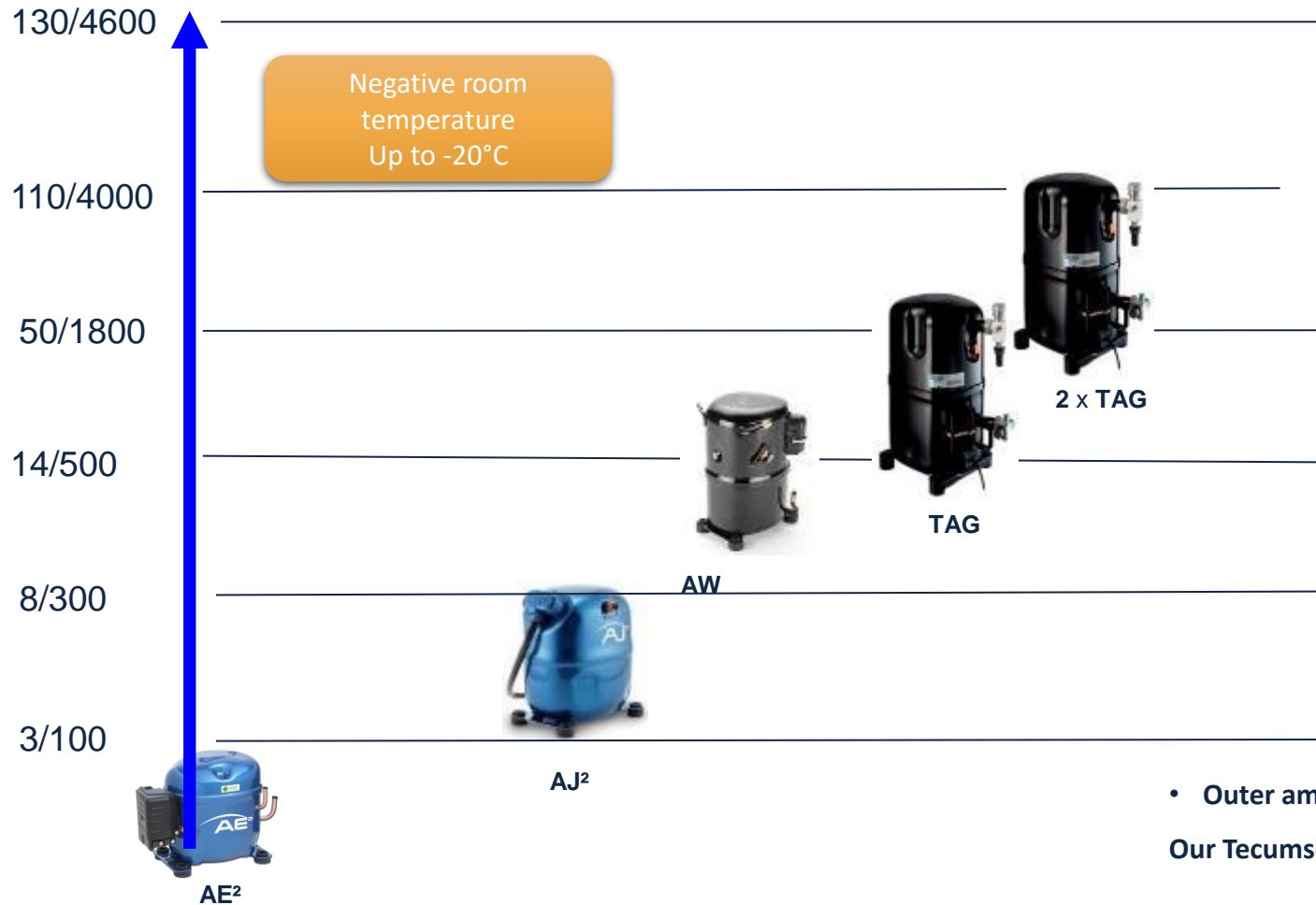
- Capacities at ASHRAE LBP (-6.7/54.4)
- Designed with stand Demanding Pull down conditions
- Wider Operating envelop -15 Deg C to +15 Deg C

0 1.0 2.0 3.0 4.0 6.0 12.0 kW



# WALK IN COLD ROOMS AND COMPRESSORS PLATFORM

Inner volume (m3/cft)



- Outer ambient = 38°C / 120 mm PUF
- Our Tecumseh unit can up to 46°C

Condenser designed for high ambient temperature. Optimized range with New AW R404A HMBP Compressors

# COLDROOMS

Freezer			Chiller		
-20 Deg C Room			0-4 Deg C , Room temperature		
Room Size (ft)	Cooling Capacity (Btu/Hr)	Tecumseh Model	Room Size (ft)	Cooling Capacity (Btu/Hr)	Tecumseh Model
8 X 8 X 8	5900	AWX2460Z	8 X 8 X 8	7700	AWS4522Z
10 X 10 X 8	7700	AWX2511Z	10 X 10 X 8	10570	AWS4532Z
15 X 15 X 10	14000	TAG2516Z	15 X 15 X 10	14120	AWS4538Z
20 X 15 X 10	17000	TAG2522Z	20 X 15 X 10	29130	TAG4573Z
20 X 20 X 10	20500	TAG2525Z	20 X 20 X 10	36920	TAG4581Z



Ambient temperature – 38 Deg C