TRANE®

MITSUBISHI ELECTRIC

N-GENERATION

CITY**MULTI**® *VRF*


TRANE
MITSUBISHI
ELECTRIC

INTRODUCING THE CITY**MULTI**® *N-GENERATION*

Mitsubishi Electric Trane HVAC US (METUS) presents the CITY MULTI N-Generation outdoor unit, a technological advancement in a smaller package. The new generation represents the latest in a long line of innovations designed to maximize energy efficiency, improve flexibility, and increase performance without sacrificing occupant comfort. Whether you're a property owner, engineer, architect or contractor, CITY MULTI N-Generation is the ideal choice. With operating and lifecycle costs lower than you might expect, there's never been a better time to get comfortable with VRF.

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WHY CHOOSE N-GENERATION FROM MITSUBISHI ELECTRIC TRANE HVAC US

METUS is an industry leader in VRF heating and cooling technology. The CITY MULTI® product line was introduced to the United States over 15 years ago as the first Variable Refrigerant Flow system for commercial use in the USA. Since then, we've rapidly advanced the technology to provide solutions to meet most commercial applications. Here are just a few advantages that the N-Generation brings to your next commercial project.

FEATURES:

Improved Design Flexibility

Tiered product line-up – Standard Efficiency, High Efficiency, and improved H2i® hyper-heating models, resulting in further application flexibility for an owner.

- With up to a 30% smaller footprint than previous outdoor units, and a unique four sided heat exchanger, the N-Generation maximizes usable space and outdoor unit placement without sacrificing performance
- Expanded vertical piping limits, up to 295 feet, increase design options within a building
- The redesigned main Branch Circuit (BC) Controller features a 14% reduction in height over previous models along with a removable drain pan which provides service access from the bottom
- Connect up to 11 sub-BC Controllers to one main BC controller to increase design possibilities
- N-Generation outdoor units require up to 13% less refrigerant charge than L-Generation systems, saving you installation time and money
- Broader range of capacities, with models from 6 to 36 tons

Improved Operational Flexibility

- Increased energy efficiency with up to 27% IEER improvement over prior generations
- New four sided heat exchanger, compressor and fan blade design improve both nominal and seasonal efficiency levels
- Unique flat tube aluminum heat exchanger ensures maximum heat transfer, particularly at part-load conditions
- Improved heating performance, with flash injection technology standard on High-Efficiency models, provides comfort in any climate
- Built-in USB port allows for storage and download of up to five days of operational data directly into Maintenance tool, leading to simplified troubleshooting and maintenance

HexiCoil™ Technology

Inverter Compressor

Ultra-quiet noise levels

- Improved compressor and fan designs reduce noise output, with decibel levels as low as 56.5 dB(A), a reduction from prior generations
- Sound levels further reduced with five adjustable airflow settings, with incremental capacity steps, resulting in varied system noise levels

Industry-Leading Support

- No one supports VRF technology better than Mitsubishi Electric Trane HVAC US
- Unmatched project assistance from system design through start-up and ongoing technical support
- Powerful network of distribution, installation and service professionals
- Industry-leading training programs that help you apply and get the most out of CITY MULTI® systems

N-Generation offers more design flexibility, along with industry leading support from METUS and your local Trane office. These are just a few of the powerful reasons to choose the new CITY MULTI N-Generation outdoor unit for your next project. Let the experts at Trane and Mitsubishi Electric Trane US LLC solve your design, comfort and efficiency challenges. For more information, visit trane.com/ductless or contact your sales representative at Trane.com/contactus.

CITY MULTI® N-GENERATION: TIERED PRODUCT LINEUP

The CITY MULTI N-Generation features a tiered product lineup to satisfy the diverse design conditions of commercial applications. N-Generation outdoor units offer improved heating and cooling performance in virtually any application. Our product lineup includes:

Standard Efficiency

- IEER improvement of up to 17% over prior generations
- Up to 295 feet of vertical separation between outdoor and indoor unit(s) – an improvement of 131 feet
- Reduced footprint of up to 30% over prior generations
- Reduced refrigerant volume – up to 36% over K-Generation and up to 13% over L-Generation

High Efficiency

- Improved heating performance providing up to 78% heating capacity down to -13° F
- Flash injection technology built-in as standard
- Up to 11% IEER improvement over N-Generation Standard Efficiency
- Larger single capacity modules: 16, 18, and 20 ton R2-Series units (Fall 2019)

H2i®

- Improved Hyper-Heating INVERTER® (H2i) technology delivers superior heating performance in extreme climates
- Introduction of 10 ton single module
- Provides continuous heating during defrost, reducing occupant comfort complaints
- Up to 85% heating capacity at -13° F and up to 70% heating capacity at -22° F

BC Controllers (for R2-Series Systems)

- Reduction in height of approximately 14% compared to previous model
- Connect up to 11 sub-BC Controllers per main BC Controller
- Increased piping distance from the main BC Controller to the furthest indoor unit
- Inclusion of service access from the bottom

SPECIFICATION TABLES

TURYP**(3/4)AN40AN

SPECIFICATION			MODEL NAMES				
VOLTAGES		208V /230V	TURYP0723AN40A (N/B)	TURYP0963AN40A (N/B)	TURYP1203AN40A (N/B)	TURYP1443AN40A (N/B)	TURYP1684AN40A (N/B)
		460V	TURYP0724AN40A (N/B)	TURYP0964AN40A (N/B)	TURYP1204AN40A (N/B)	TURYP1444AN40A (N/B)	TURYP1684AN40A (N/B)
Power Source			3-phase 3-wire 208-230 V ±10% 60 Hz				
			3-phase 3-wire 460 V ±10% 60 Hz				
Capacity (Nominal)	Cooling	Btu/h	72,000	96,000	120,000	144,000	168,000
	Heating	Btu/h	80,000	108,000	135,000	160,000	188,000
Electrical Supply	MCA	A	24/22	33/30	43/40	52/48	61/57
			11	15	18	20	28
	MOP	A	40/35	50/45	70/60	80/70	100/90
			15	20	25	30	40
	SCCR	A	5				
	Recommended Fuse Size	A	30/30	40/40	50/50	60/60	70/70
			15	20	25	30	40
Fan	Type X Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Airflow Rate	CFM	6,000	7,400	8,300	9,550	14,850
	External Static Pressure		Selectable; 0, 0.12, 0.24, 0.32 in.WG; factory set to 0 in.WG				
Compressor	Type X Quantity		Inverter scroll hermetic compressor x 1				
	Operating Range		15% to 100%	15% to 100%	15% to 100%	15% to 100%	15% to 100%
	Lubricant		MEL32				
Refrigerant	Type		R410A				
External Finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>				
Dimensions	Height	In.	71-5/8				
	Width		36-1/4	48-7/8	48-7/8	48-7/8	68-29/32
	Depth		29-5/32				
Net Weight		lbs.	483	576	598	646	739
			516	611	633	682	774
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	56.5/58.0	58.5/60.0	60.0/62.0	65.0/65.5	62.5/66.5
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	75.5/77.0	77.5/79.0	80.0/80.5	85.5/85.5	81.0/85.5
Protection Devices	High Pressure		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)				
	Inverter Circuit (Compressor/Fan)		Over-heat protection, Over-current protection				
Refrigerant Pipe Dimensions	Liquid (High Pressure) (Brazed)	In.	5/8 Brazed	3/4 Brazed	3/4 Brazed	7/8 Brazed	7/8 Brazed
	Gas (Low Pressure) (Brazed)		3/4 Brazed	7/8 Brazed	1-1/8 Brazed	1-1/8 Brazed	1-1/8 Brazed
Indoor Unit Connectable	Total capacity		50~150% of outdoor unit capacity				
	Model / Quantity		P05~P96/1~18	P05~P96/1~24	P05~P96/1~30	P05~P96/1~36	P05~P96/1~42
Guaranteed Operating Range *1	Cooling (Outdoor) *2		23~126°F (-5~52°C)				
	Heating (Outdoor) *3		-4~60°F (-20~15.5°C)				
Extended Operating Range *4	Heating (Outdoor)		-18~60°F (-28~15.5°C)				
Efficiency Ratings *5	EER (Ducted/Non-Ducted)		13.1 / 14.7	12.8 / 14.5	12.1 / 13.2	11.0 / 12.2	10.6 / 11.0
	IEER (Ducted/Non-Ducted)		23.8 / 29.2	25.5 / 31.9	23.3 / 28.8	23.1 / 28.7	21.3 / 25.8
	COP (Ducted/Non-Ducted)		3.76 / 4.09	3.88 / 4.14	3.61 / 4.01	3.43 / 3.84	3.30 / 3.80
	SCHE (Ducted/Non-Ducted)		25.9 / 25.5	23.5 / 28.3	25.3 / 29.1	24.8 / 27.7	24.7 / 28.3

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)

1. Harsh weather environments may demand performance enhancing equipment. Ask your sales representative for more details about your region.
2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.
3. When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.
5. Efficiency ratings are based on AHRI 1230 test method

TURYP**(3/4)BN40AN

SPECIFICATIONS			MODEL NAMES			
VOLTAGES		208V /230V	TURYP1923BN40A (N/B) With 2 TURYP0963AN40A (N/B)	TURYP2163BN40A (N/B) With 1 TURYP1203AN40A (N/B) and 1 TURYP0963AN40A (N/B)	TURYP2403BN40A (N/B) With 2 TURYP1203AN40A (N/B)	TURYP2643BN40A (N/B) With 1 TURYP1443AN40A (N/B) and 1 TURYP1203AN40A (N/B)
		460V	TURYP1924BN40-A (N/B) With 2 TURYP0964AN40A (N/B)	TURYP2164BN40A (N/B) With 1 TURYP1204AN40A (N/B) and 1 TURYP0964AN40A (N/B)	TURYP2404BN40A (N/B) With 2 TURYP1204AN40A (N/B)	TURYP2644BN40A (N/B) With 1 TURYP1444AN40A (N/B) and 1 TURYP1204AN40A (N/B)
Power Source			3-phase 3-wire 208-230 V ±10% 60 Hz			
			3-phase 3-wire 460 V ±10% 60 Hz			
Capacity (Nominal)	Cooling	Btu/h	192,000	216,000	240,000	264,000
	Heating	Btu/h	215,000	243,000	270,000	295,000
Electrical Supply	MCA	A	Refer to: TURYP0963AN40A (N/B)	Refer to: TURYP1203AN40A (N/B) TURYP0963AN40A (N/B)	Refer to: TURYP1203AN40A (N/B)	Refer to: TURYP1443AN40A (N/B) TURYP1203AN40A (N/B)
	MOP	A				
	SCCR	A	TURYP0964AN40A (N/B)	TURYP1204AN40A (N/B) TURYP0964AN40A (N/B)	TURYP1204AN40A (N/B)	TURYP1444AN40A (N/B) TURYP1204AN40A (N/B)
	Recommended Fuse Size	A				
Fan	Type X Quantity					
	Airflow Rate	CFM				
	External Static Pressure					
Compressor	Type X Quantity					
	Operating Range		7.5% to 100%	7.5% to 100%	7.5% to 100%	7.5% to 100%
	Lubricant		Refer to: TURYP0963AN40A (N/B)	Refer to: TURYP1203AN40A (N/B) TURYP0963AN40A (N/B)	Refer to: TURYP1203AN40A (N/B)	Refer to: TURYP1443AN40A (N/B) TURYP1203AN40A (N/B)
Refrigerant	Type					
External Finish						
Dimensions	Height	In.				
	Width		TURYP0964AN40A (N/B)	TURYP1204AN40A (N/B) TURYP0964AN40A (N/B)	TURYP1204AN40A (N/B)	TURYP1444AN40A (N/B) TURYP1204AN40A (N/B)
	Depth					
Net Weight		lbs.				
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	61.5/63.0	62.5/64.5	63.0/65.0	66.5/67.5
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	80.5/82.0	82.0/83.0	83.0/83.5	87.0/87.0
Protection Devices	High Pressure		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			
	Inverter Circuit (Compressor/Fan)		Over-heat protection, Over-current protection			
Refrigerant Pipe Dimensions	Liquid (High Pressure) (Brazed)	In.	7/8 Brazed	7/8 Brazed (1-1/8 Brazed for the part that exceeds 65 m)	7/8 Brazed (1-1/8 Brazed for the part that exceeds 65 m)	1-1/8 Brazed
	Gas (Low Pressure) (Brazed)		1-1/8 Brazed	1-1/8 Brazed	1-3/8 Brazed	1-3/8 Brazed
Indoor Unit Connectable	Total capacity		50~150% of outdoor unit capacity			
	Model / Quantity		P05~P96/1~48			
Guaranteed Operating Range *1	Cooling (Outdoor) *2		23~126°F (-5~52°C)			
	Heating (Outdoor) *3		-4~60°F (-20~15.5°C)			
Extended Operating Range *4	Heating (Outdoor)		-18~60°F (-28~15.5°C)			
Efficiency Ratings *5	EER (Ducted/Non-Ducted)		11.9 / 13.5	11.6 / 13.0	11.2 / 11.7	10.7 / 11.3
	IEER (Ducted/Non-Ducted)		24.3 / 30.7	23.3 / 29.2	22.3 / 26.3	22.2 / 26.4
	COP (Ducted/Non-Ducted)		3.60 / 3.88	3.49 / 3.82	3.36 / 3.56	3.28 / 3.50
	SCHE (Ducted/Non-Ducted)		23.0 / 28.0	22.7 / 26.9	22.9 / 26.8	22.3 / 25.7

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)

Twinning kit is required for combining multiple individual outdoor units in the field for TURYP**(3/4)BN40A(N/B) combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your sales representative for more details about your region.
2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.
3. When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.
5. Efficiency ratings are based on AHRI 1230 test method

TURYP**(3/4)BN40AN

SPECIFICATIONS			MODEL NAMES		
VOLTAGES		208V /230V	TURYP2883BN40A (N/B) With 2 TURYP1443AN40A (N/B)	TURYP3123BN40A (N/B) With 1 TURYP1963AN40A (N/B) and 1 TURYP1443AN40A (N/B)	TURYP3363BN40A (N/B) With 2 TURYP1683AN40A (N/B)
		460V	TURYP2884BN40A (N/B) With 2 TURYP1444AN40A (N/B)	TURYP3124BN40A (N/B) With 1 TURYP1684AN40A (N/B) and 1 TURYP1444AN40A (N/B)	TURYP3364BN40A (N/B) With 2 TURYP1684AN40A (N/B)
Power Source			3-phase 3-wire 208-230 V ±10% 60 Hz 3-phase 3-wire 460 V ±10% 60 Hz		
Capacity (Nominal)	Cooling	Btu/h	288,000	312,000	336,000
	Heating	Btu/h	323,000	350,000	378,000
Electrical Supply	MCA	A	Refer to: With 2 TURYP1443AN40A (N/B)	Refer to: With 1 TURYP1963AN40A (N/B) and 1 TURYP1443AN40A (N/B)	Refer to: With 2 TURYP1683AN40A (N/B)
	MOP	A			
	SCCR	A	TURYP1444AN40A (N/B)	TURYP1684AN40A (N/B)	TURYP1684AN40A (N/B)
	Recommended Fuse Size	A		TURYP1444AN40A (N/B)	
Fan	Type X Quantity				
	Airflow Rate	CFM			
	External Static Pressure				
Compressor	Type X Quantity				
	Operating Range		7.5% to 100%	7.5% to 100%	7.5% to 100%
	Lubricant		Refer to: With 2 TURYP1443AN40A (N/B)	Refer to: With 1 TURYP1963AN40A (N/B) and 1 TURYP1443AN40A (N/B)	Refer to: With 2 TURYP1683AN40A (N/B)
Refrigerant	Type				
External Finish					
Dimensions	Height	In.			
	Width		TURYP1444AN40A (N/B)	TURYP1684AN40A (N/B) TURYP1444AN40A (N/B)	TURYP1684AN40A (N/B)
	Depth				
Net Weight		lbs.			
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	68.0/68.5	67.0/69.0	65.5/69.5
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	88.5/88.5	87.0/88.5	84.0/88.5
Protection Devices	High Pressure		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter Circuit (Compressor/Fan)		Over-heat protection, Over-current protection		
Refrigerant Pipe Dimensions	Liquid (High Pressure) (Brazed)	In.	1-1/8 Brazed		
	Gas (Low Pressure) (Brazed)		1-3/8 Brazed	1-5/8 Brazed	1-5/8 Brazed
Indoor Unit Connectable	Total capacity		50~150% of outdoor unit capacity		
	Model / Quantity		P05~P96/2~50		
Guaranteed Operating Range *1	Cooling (Outdoor) *2		23~126°F (-5~52°C)		
	Heating (Outdoor) *3		-4~60°F (-20~15.5°C)		
Extended Operating Range *4	Heating (Outdoor)		-18~60°F (-28~15.5°C)		
Efficiency Ratings *5	EER (Ducted/Non-Ducted)		10.2 / 10.9	10.1 / 10.2	9.9 / 9.5
	IEER (Ducted/Non-Ducted)		22.1 / 26.4	21.4 / 24.6	20.5 / 23
	COP (Ducted/Non-Ducted)		3.20 / 3.44	3.20 / 3.36	3.2 / 3.29
	SCHE (Ducted/Non-Ducted)		21.7 / 24.5	20.6 / 23.8	20.4 / 23.4

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)

Twinning kit is required for combining multiple individual outdoor units in the field for TURYP**(3/4)BN40A(N/B) combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your sales representative for more details about your region.
2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.
3. When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.
5. Efficiency ratings are based on AHRI 1230 test method

TUHYP**(3/4)AN40AN

SPECIFICATIONS			MODEL NAME				
VOLTAGES		208V /230V	TUHYP0723AN40A (N/B)	TUHYP0963AN40A (N/B)	TUHYP1203AN40A (N/B)	TUHYP1443AN40A (N/B)	TUHYP1683AN40A (N/B)
		460V	TUHYP0724AN40A (N/B)	TUHYP0964AN40A (N/B)	TUHYP1204AN40A (N/B)	TUHYP1444AN40A(N/B)	TUHYP1684AN40A (N/B)
Power Source			3-phase 3-wire 208-230 V ±10% 60 Hz				
			3-phase 3-wire 460 V ±10% 60 Hz				
Capacity (Nominal)	Cooling	Btu/h	72,000	96,000	120,000	144,000	168,000
	Heating	Btu/h	80,000	108,000	135,000	160,000	188,000
Electrical Supply	MCA	A	24/22	33/31	41/38	49/45	59/54
			11	15	19	22	27
	MOP	A	40/35	50/45	60/60	80/70	90/90
			15	20	30	35	45
	SCCR	A	5	5	5	5	5
	Recommended Fuse Size	A	30/30	40/40	50/50	60/60	70/70
			15	20	25	30	40
Fan	Type X Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Airflow Rate	CFM	6,000	6,700	7,750	9,200	10,600
	External Static Pressure		Selectable; 0, 0.12, 0.24, 0.32 in.WG; factory set to 0 in.WG				
Compressor	Type X Quantity		Inverter scroll hermetic compressor x 1				
	Operating Range		15% to 100%	15% to 100%	15% to 100%	15% to 100%	15% to 100%
	Lubricant		MEL32				
Refrigerant	Type		R410A				
External Finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>				
Dimensions	Height	In.	71-10/16				
	Width		36-4/16	48-14/16	48-14/16	48-14/16	68-15/16
	Depth		29-3/1	29-3/16	29-3/16	29-3/16	29-3/16
Net Weight		lbs.	479	569	594	640	713
			512	605	629	675	748
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	55.0/57.5	56.5/58.5	60.0/62.0	62.5/65.0	60.5/64.5
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	74.0/76.5	75.5/77.5	80.0/81.0	83.0/84.0	79.0/83.5
Protection Devices	High Pressure		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)				
	Inverter Circuit (Compressor/Fan)		Over-current protection				
Refrigerant Pipe Dimensions	Liquid (High Pressure) (Brazed)	In.	3/8 Brazed	3/8 Brazed (1/2 Brazed, the farthest pipe length >= 90 m)	3/8 Brazed (1/2 Brazed, the farthest pipe length >= 40 m)	1/2 Brazed	5/8 Brazed
	Gas (Low Pressure) (Brazed)		7/8 Brazed	7/8 Brazed	1-1/8 Brazed	1-1/8 Brazed	1-1/8 Brazed
Indoor Unit Connectable	Total capacity		50~130% of outdoor unit capacity				
	Model / Quantity		P05~P72/1~15	P05~P96/1~20	P05~P96/1~26	P05~P96/1~31	P05~P96/1~36
Guaranteed Operating Range *1	Cooling (Outdoor) *2		23~126°F (-5~52°C)				
	Heating (Outdoor) *3		-4~60°F (-20~15.5°C)				
Extended Operating Range *4	Heating (Outdoor)		-18~60°F (-28~15.5°C)				
Efficiency Ratings *5	EER (Ducted/ Non-Ducted)		13.1 / 13.5	13.4 / 14.6	12.3 / 13.3	12.2 / 12.6	11.2 / 11.7
	IEER (Ducted/ Non-Ducted)		24.8 / 31.5	26.2 / 32.6	23.6 / 28.8	23.2 / 29.6	23.4 / 29.8
	COP (Ducted/ Non-Ducted)		3.97 / 4.34	3.98 / 4.34	3.70 / 4.05	3.57 / 3.90	3.59 / 4.02

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)

1. Harsh weather environments may demand performance enhancing equipment. Ask your sales representative for more details about your region.
2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.
3. When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.
5. Efficiency ratings are based on AHRI 1230 test method

TUHYP**(3/4)BN40AN

SPECIFICATIONS			MODEL NAMES				
VOLTAGES		208V /230V	TUHYP1923BN40A (N/B) With 2 TUHYP0963AN40A (N/B)	TUHYP2163BN40A (N/B) With 1 TUHYP1203AN40A (N/B) and 1 TUHYP0963AN40A (N/B)	TUHYP2403BN40A (N/B) With 2 TUHYP1203AN40A N/B)	TUHYP2643BN40A (N/B) With 2 TUHYP0963AN40A (N/B) and 1 TUHYP0723AN40A (N/B)	TUHYP2883BN40A (N/B) With TUHYP1203AN40A (N/B) and TUHYP0963AN40A (N/B) and TUHYP0723AN40A (N/B)
		460V	TUHYP1924BN40A (N/B) With 2 TUHYP0964AN40A (N/B)	TUHYP2164BN40A (N/B) With 1 TUHYP1204AN40A (N/B) and 1 TUHYP0964AN40A (N/B)	TUHYP2404BN40A (N/B) With 2 TUHYP1204AN40A (N/B)	TUHYP2644BN40A (N/B) With 2 TUHYP0964AN40A (N/B) and 1 TUHYP0724AN40A (N/B)	TUHYP2884BN40A (N/B) With TUHYP1204AN40A (N/B) and TUHYP0964AN40A (N/B) and TUHYP0724AN40A (N/B)
Power Source			3-phase 3-wire 208-230 V ±10% 60 Hz				
			3-phase 3-wire 460 V ±10% 60 Hz				
Capacity (Nominal)	Cooling	Btu/h	192,000	216,000	240,000	264,000	288,000
	Heating	Btu/h	216,000	243,000	270,000	296,000	323,000
Electrical Supply	MCA	A	Refer to: With 2 TUHYP0963AN40A (N/B)	Refer to: With 1 TUHYP1203AN40A (N/B) and 1 TUHYP0963AN40A (N/B)	Refer to: With 2 TUHYP1203AN40A N/B)	Refer to: With 2 TUHYP0963AN40A (N/B) and 1 TUHYP0723AN40A (N/B)	Refer to: With TUHYP1203AN40A (N/B) and TUHYP0963AN40A (N/B) and TUHYP0723AN40A (N/B)
	MOP	A					
	SCCR	A	TUHYP0964AN40A (N/B)	TUHYP1204AN40A (N/B) TUHYP0964AN40A (N/B)	TUHYP1204AN40A (N/B)	TUHYP0964AN40A (N/B) TUHYP0724AN40A (N/B)	TUHYP1204AN40A (N/B) TUHYP0964AN40A (N/B) TUHYP0724AN40A (N/B)
	Recom-mended Fuse Size	A					
Fan	Type X Quantity						
	Airflow Rate	CFM					
	External Static Pressure						
Compressor	Type X Quantity						
	Operating Range		7.5% to 100%	7.5% to 100%	7.5% to 100%	5% to 100%	5% to 100%
	Lubricant		Refer to: With 2 TUHYP0963AN40A (N/B)	Refer to: With 1 TUHYP1203AN40A (N/B) and 1 TUHYP0963AN40A (N/B)	Refer to: With 2 TUHYP1203AN40A N/B)	Refer to: With 2 TUHYP0963AN40A (N/B) and 1 TUHYP0723AN40A (N/B)	Refer to: With TUHYP1203AN40A (N/B) and TUHYP0963AN40A (N/B) and TUHYP0723AN40A (N/B)
Refrigerant	Type						
External Finish							
Dimensions	Height	In.					
	Width		TUHYP0964AN40A (N/B)	TUHYP1204AN40A (N/B) TUHYP0964AN40A (N/B)	TUHYP1204AN40A (N/B)	TUHYP0964AN40A (N/B) TUHYP0724AN40A (N/B)	TUHYP1204AN40A (N/B) TUHYP0964AN40A (N/B) TUHYP0724AN40A (N/B)
	Depth						
Net Weight		lbs.					
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	60.0/62.0	62.0/64.0	63.5/65.5	61.0/63.0	62.5/65.0
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	79.0/81.0	81.5/83.0	83.5/84.5	80.0/82.0	82.5/84.0
Protection Devices	High Pressure		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)				
	Inverter Circuit (Compressor/Fan)		Over-current protection				
Refrigerant Pipe Dimensions	Liquid (High Pressure) (Brazed)	In.	5/8 Brazed	5/8 Brazed	5/8 Brazed	3/4 Brazed	3/4 Brazed
	Gas (Low Pressure) (Brazed)		1-1/8 Brazed	1-1/8 Brazed	1-1/8 Brazed	1-3/8 Brazed	1-3/8 Brazed
Indoor Unit Con-nectable	Total capacity		50~130% of outdoor unit capacity				
	Model / Quantity		P05~P96/1~41	P05~P96/2~46	P05~P96/2~50	P05~P96/2~50	P05~P96/2~50
Guaranteed Operating Range *1	Cooling (Outdoor) *2		23~126°F (-5~52°C)				
	Heating (Outdoor) *3		-4~60°F (-20~15.5°C)				
Extended Operating Range *4	Heating (Outdoor)		-18~60°F (-28~15.5°C)				
Efficiency Ratings *5	EER (Ducted/ Non-Ducted)		12.4 / 13.6	11.9 / 13.0	11.4 / 11.8	12.2 / 12.6	11.9 / 12.2
	IEER (Ducted/ Non-Ducted)		25.0 / 31.3	23.8 / 29.5	22.6 / 26.3	24.3 / 29.3	23.5 / 28.3
	COP (Ducted/ Non-Ducted)		3.70/ 4.06	3.57 / 3.93	3.45 / 3.59	3.66 / 3.84	3.58 / 3.78

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)

Twinning kit is required for combining multiple individual outdoor units in the field for TUHYP**(3/4)BN40A(N/B) combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your sales representative for more details about your region.
2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.
3. When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.
5. Efficiency ratings are based on AHRI 1230 test method

TUHYP**(3/4)BN40AN

SPECIFICATIONS			MODEL NAMES		
VOLTAGES		208V /230V	TUHYP3123BN40A (N/B) With 2 TUHYP1203AN40A (N/B) and 1 TUHYP0723AN40A (N/B)	TUHYP3363BN40A (N/B) With 2 TUHYP1203AN40A (N/B) and 1 TUHYP0963AN40A (N/B)	TUHYP3603BN40A (N/B) With 3 TUHYP1203AN40A (N/B)
		460V	TUHYP3124BN40A (N/B) With 2 TUHYP1204AN40A (N/B) and 1 TUHYP0724AN40A (N/B)	TUHYP3364BN40A (N/B) With 2 TUHYP1204AN40A (N/B) and 1 TUHYP0964AN40A (N/B)	TUHYP3604BN40A (N/B) With 3 TUHYP1204AN40A (N/B)
Power Source			3-phase 3-wire 208-230 V ±10% 60 Hz		
			3-phase 3-wire 460 V ±10% 60 Hz		
Capacity (Nominal)	Cooling	Btu/h	312,000	336,000	360,000
	Heating	Btu/h	350,000	378,000	405,000
Electrical Supply	MCA	A	Refer to: With 2 TUHYP1203AN40A (N/B) and 1 TUHYP0723AN40A (N/B)	Refer to: With 2 TUHYP1203AN40A (N/B) and 1 TUHYP0963AN40A (N/B)	Refer to: With 3 TUHYP1203AN40A (N/B)
	MOP	A			
	SCCR	A	With 2 TUHYP1204AN40A (N/B) and 1 TUHYP0724AN40A (N/B)	With 2 TUHYP1204AN40A (N/B) and 1 TUHYP0964AN40A (N/B)	With 3 TUHYP1204AN40A (N/B)
	Recommended Fuse Size	A			
Fan	Type X Quantity				
	Airflow Rate	CFM			
	External Static Pressure				
Compressor	Type X Quantity				
	Operating Range		5% to 100%	5% to 100%	5% to 100%
	Lubricant		Refer to: With 2 TUHYP1203AN40A (N/B) and 1 TUHYP0723AN40A (N/B)	Refer to: With 2 TUHYP1203AN40A (N/B) and 1 TUHYP0963AN40A (N/B)	Refer to: With 3 TUHYP1203AN40A (N/B)
Refrigerant	Type				
External Finish					
Dimensions	Height	In.			
	Width		With 2 TUHYP1204AN40A (N/B) and 1 TUHYP0724AN40A (N/B)	With 2 TUHYP1204AN40A (N/B) and 1 TUHYP0964AN40A (N/B)	With 3 TUHYP1204AN40A (N/B)
	Depth				
Net Weight		lbs.			
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	64.0/66.0	64.0/66.0	65.0/67.0
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	84.0/85.0	84.0/85.0	85.0/86.0
Protection Devices	High Pressure		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter Circuit (Compressor/Fan)		Over-current protection		
Refrigerant Pipe Dimensions	Liquid (High Pressure) (Brazed)	In.	3/4 Brazed		
	Gas (Low Pressure) (Brazed)		1-3/8 Brazed	1-5/8 Brazed	1-5/8 Brazed
Indoor Unit Connectable	Total capacity		50~130% of outdoor unit capacity		
	Model / Quantity		P05~P96/2~50		
Guaranteed Operating Range *1	Cooling (Outdoor) *2		23~126°F (-5~52°C)		
	Heating (Outdoor) *3		-4~60°F (-20~15.5°C)		
Extended Operating Range *4	Heating (Outdoor)		-18~60°F (-28~15.5°C)		
Efficiency Ratings *5	EER (Ducted/Non-Ducted)		11.6 / 11.7	11.7 / 11.8	11.3 / 11.5
	IEER (Ducted/ Non-Ducted)		22.7 / 26.7	23.2 / 26.6	22.4 / 25.7
	COP (Ducted/ Non-Ducted)		3.50 / 3.63	3.50 / 3.57	3.42 / 3.51

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)

Twinning kit is required for combining multiple individual outdoor units in the field for TUHYP**(3/4)BN40A(N/B) combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your sales representative for more details about your region.
2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.
3. When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.
5. Efficiency ratings are based on AHRI 1230 test method

TUHYP**(3/4)BN40AN

SPECIFICATIONS			MODEL NAMES		
VOLTAGES		208V /230V	TUHYP3843BN40A (N/B) With 1 TUHYP1443AN40A (N/B) and 2 TUHYP1203AN40A (N/B)	TUHYP4083BN40A (N/B) With 2 TUHYP1443AN40A (N/B) and 1 TUHYP1203AN40A (N/B)	TUHYP4323BN40A (N/B) With 3 TUHYP1443AN40A (N/B)
		460V	TUHYP3844BN40A (N/B) With 1 TUHYP1444AN40A (N/B) and 2 TUHYP1204AN40A (N/B)	TUHYP4084BN40A (N/B) With 2 TUHYP1444AN40A (N/B) and 1 TUHYP1204AN40A (N/B)	TUHYP4324BN40A (N/B) With 3 TUHYP1444AN40A (N/B)
Power Source			3-phase 3-wire 208-230 V ±10% 60 Hz		
			3-phase 3-wire 460 V ±10% 60 Hz		
Capacity (Nominal)	Cooling	Btu/h	384,000	408,000	432,000
	Heating	Btu/h	430,000	455,000	480,000
Electrical Supply	MCA	A	Refer to: With 1 TUHYP1443AN40A (N/B) and 2 TUHYP1203AN40A (N/B)	Refer to: With 2 TUHYP1443AN40A (N/B) and 1 TUHYP1203AN40A (N/B)	Refer to: With 3 TUHYP1443AN40A (N/B)
	MOP	A			
	SCCR	A	With 1 TUHYP1444AN40A (N/B) and 2 TUHYP1204AN40A (N/B)	With 2 TUHYP1444AN40A (N/B) and 1 TUHYP1204AN40A (N/B)	With 3 TUHYP1444AN40A (N/B)
	Recommended Fuse Size	A			
Fan	Type X Quantity				
	Airflow Rate	CFM			
	External Static Pressure				
Compressor	Type X Quantity				
	Operating Range		5% to 100%	5% to 100%	5% to 100%
	Lubricant		Refer to: With 1 TUHYP1443AN40A (N/B) and 2 TUHYP1203AN40A (N/B)	Refer to: With 2 TUHYP1443AN40A (N/B) and 1 TUHYP1203AN40A (N/B)	Refer to: With 3 TUHYP1443AN40A (N/B)
Refrigerant	Type				
External Finish					
Dimensions	Height	In.			
	Width		With 1 TUHYP1444AN40A (N/B) and 2 TUHYP1204AN40A (N/B)	With 2 TUHYP1444AN40A (N/B) and 1 TUHYP1204AN40A (N/B)	With 3 TUHYP1444AN40A (N/B)
	Depth				
Net Weight		lbs.			
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	66.0/68.5	67.0/69.0	67.5/70.0
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	86.5/87.5	87.0/88.0	88.0/89.0
Protection Devices	High Pressure		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter Circuit (Compressor/Fan)		Over-current protection		
Refrigerant Pipe Dimensions	Liquid (High Pressure) (Brazed)	In.	3/4 Brazed		
	Gas (Low Pressure) (Brazed)		1-5/8 Brazed		
Indoor Unit Connectable	Total capacity		50~130% of outdoor unit capacity		
	Model / Quantity		P05~P96/2~50	P05~P96/3~50	P05~P96/3~50
Guaranteed Operating Range *1	Cooling (Outdoor) *2		23~126°F (-5~52°C)		
	Heating (Outdoor) *3		-4~60°F (-20~15.5°C)		
Extended Operating Range *4	Heating (Outdoor)		-18~60°F (-28~15.5°C)		
Efficiency Ratings *5	EER (Ducted/Non-Ducted)		11.3 / 11.2	11.3 / 10.9	11.3 / 10.7
	IEER (Ducted/Non-Ducted)		22.3 / 25.8	22.2 / 25.8	22.1 / 25.9
	COP (Ducted/Non-Ducted)		3.39 / 3.45	3.35 / 3.38	3.31 / 3.32

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)

Twinning kit is required for combining multiple individual outdoor units in the field for TUHYP**(3/4)BN40A(N/B) combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your sales representative for more details about your region.
2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.
3. When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.
5. Efficiency ratings are based on AHRI 1230 test method

TURYE**(3/4)AN40AN

SPECIFICATIONS			MODEL NAMES				
VOLTAGES		208V /230V	TURYE0723AN40A (N/B)	TURYE0963AN40A (N/B)	TURYE1203AN40A (N/B)	TURYE1443AN40A (N/B)	TURYE1684AN40A (N/B)
		460V	TURYE0724AN40A (N/B)	TURYE0964AN40A (N/B)	TURYE1204AN40A (N/B)	TURYE1444AN40A (N/B)	TURYE1684AN40A (N/B)
Power Source			3-phase 3-wire 208-230 V ±10% 60 Hz				
			3-phase 3-wire 460 V ±10% 60 Hz				
Capacity (Nominal)	Cooling	Btu/h	72,000	96,000	120,000	144,000	168,000
	Heating	Btu/h	80,000	108,000	135,000	160,000	188,000
Electrical Supply	MCA	A	23/21	31/29	41/38	49/45	57/53
			10	14	19	22	26
	MOP	A	35/30	45/45	60/60	80/70	90/80
			15	20	30	35	40
	SCCR	A	5	5	5	5	5
	Recommended Fuse Size	A	35/30	45/45	60/60	60/60	70/70
			15	20	30	35	40
Fan	Type X Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Airflow Rate	CFM	6,000	7,400	8,300	9,550	14,850
	External Static Pressure		Selectable; 0, 0.12, 0.24, 0.32 in.WG; factory set to 0 in.WG				
Compressor	Type X Quantity		Inverter scroll hermetic compressor x 1				
	Operating Range		15% to 100%	15% to 100%	15% to 100%	15% to 100%	15% to 100%
	Lubricant		MEL32				
Refrigerant	Type		R410A				
External Finish			Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>				
Dimensions	Height	In.	71-5/8				
	Width		36-1/4	48-7/8	48-7/8	48-7/8	68-29/32
	Depth		29-5/32				
Net Weight		lbs.	519	613	622	680	777
			552	649	657	715	807
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	56.5/58.0	58.5/60.0	60.0/62.0	65.0/65.5	62.5/66.5
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	75.5/77.0	77.5/79.0	80.0/80.5	85.5/85.5	81.0/85.5
Protection Devices	High Pressure		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)				
	Inverter Circuit (Compressor/Fan)		Over-heat protection, Over-current protection				
Refrigerant Pipe Dimensions	Liquid (High Pressure) (Brazed)	In.	5/8 Brazed	3/4 Brazed	3/4 Brazed	7/8 Brazed	7/8 Brazed
	Gas (Low Pressure) (Brazed)		3/4 Brazed	7/8 Brazed	1-1/8 Brazed	1-1/8 Brazed	1-1/8 Brazed
Indoor Unit Connectable	Total capacity		50~150% of outdoor unit capacity				
	Model / Quantity		P05~P96/1~18	P05~P96/1~24	P05~P96/1~30	P05~P96/1~36	P05~P96/1~42
Guaranteed Operating Range *1	Cooling (Outdoor) *2		23~126°F (-5~52°C)				
	Heating (Outdoor) *3		-13F~60°F (-25~15.5°C)				
Extended Operating Range *4	Heating (Outdoor)		-25~60°F (-31.5~15.5°C)				
Efficiency Ratings *5	EER (Ducted/ Non-Ducted)		13.4 / 15.4	13.7 / 15.1	12.6 / 13.8	11.7 / 12.9	11.2 / 11.9
	IEER (Ducted/ Non-Ducted)		24.5 / 31.2	26.5 / 33.1	25.0 / 30.1	24.1 / 29.7	23.4 / 28.0
	COP (Ducted/ Non-Ducted)		3.81 / 4.37	3.94 / 4.26	3.71 / 4.04	3.49 / 3.86	3.30 / 3.80
	SCHE (Ducted/ Non-Ducted)		25.9 / 25.5	23.5 / 28.3	25.3 / 29.1	24.8 / 27.7	24.7 / 28.3

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)

1. Harsh weather environments may demand performance enhancing equipment. Ask your sales representative for more details about your region.
2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.
3. When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.
5. Efficiency ratings are based on AHRI 1230 test method

TURYE**(3/4)BN40AN

SPECIFICATIONS			MODEL NAMES			
VOLTAGES		208V /230V	TURYE1923BN40A (N/B) With 2 TURYE0963AN40A (N/B)	TURYE2163BN40A (N/B) With 1 TURYE1203AN40A (N/B) and 1 TURYE0963AN40A (N/B)	TURYE2403BN40A (N/B) With 2 TURYE1203AN40A (N/B)	TURYE2643BN40A (N/B) With 1 TURYE1443AN40A (N/B) and 1 TURYE1203AN40A (N/B)
		460V	TURYE1924BN40A (N/B) With 2 TURYE0964AN40A (N/B)	TURYE2164BN40A (N/B) With 1 TURYE1204AN40A (N/B) and 1 TURYE0964AN40A (N/B)	TURYE2404BN40A (N/B) With 2 TURYE1204AN40A (N/B)	TURYE2644BN40A (N/B) With 1 TURYE1444AN40A (N/B) and 1 TURYE1204AN40A (N/B)
Power Source			3-phase 3-wire 208-230 V ±10% 60 Hz			
			3-phase 3-wire 460 V ±10% 60 Hz			
Capacity (Nominal)	Cooling	Btu/h	192,000	216,000	240,000	264,000
	Heating	Btu/h	215,000	243,000	270,000	295,000
Electrical Supply	MCA	A	Refer to: With 2 TURYE0963AN40A (N/B)	Refer to: With 1 TURYE1203AN40A (N/B) and 1 TURYE0963AN40A (N/B)	Refer to: With 2 TURYE1203AN40A (N/B)	Refer to: With 1 TURYE1443AN40A (N/B) and 1 TURYE1203AN40A (N/B)
	MOP	A				
	SCCR	A	With 2 TURYE0964AN40A (N/B)	With 1 TURYE1204AN40A (N/B) and 1 TURYE0964AN40A (N/B)	With 2 TURYE1204AN40A (N/B)	With 1 TURYE1444AN40A (N/B) and 1 TURYE1204AN40A (N/B)
	Recommended Fuse Size	A				
Fan	Type X Quantity					
	Airflow Rate	CFM				
	External Static Pressure					
Compressor	Type X Quantity					
	Operating Range		7.5% to 100%	7.5% to 100%	7.5% to 100%	7.5% to 100%
	Lubricant		Refer to: With 2 TURYE0963AN40A (N/B)	Refer to: With 1 TURYE1203AN40A (N/B) and 1 TURYE0963AN40A (N/B)	Refer to: With 2 TURYE1203AN40A (N/B)	Refer to: With 1 TURYE1443AN40A (N/B) and 1 TURYE1203AN40A (N/B)
Refrigerant	Type					
External Finish						
Dimensions	Height	In.				
	Width		With 2 TURYE0964AN40A (N/B)	With 1 TURYE1204AN40A (N/B) and 1 TURYE0964AN40A (N/B)	With 2 TURYE1204AN40A (N/B)	With 1 TURYE1444AN40A (N/B) and 1 TURYE1204AN40A (N/B)
	Depth					
Net Weight		lbs.				
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	61.5/63.0	62.5/64.5	63.0/65.0	66.5/67.5
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	80.5/82.0	82.0/83.0	83.0/83.5	87.0/87.0
Protection Devices	High Pressure		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			
	Inverter Circuit (Compressor/Fan)		Over-heat protection, Over-current protection			
Refrigerant Pipe Dimensions	Liquid (High Pressure) (Brazed)	In.	7/8 Brazed	7/8 Brazed (1-1/8 Brazed for the part that exceeds 65 m)	7/8 Brazed (1-1/8 Brazed for the part that exceeds 65 m)	1-1/8 Brazed
	Gas (Low Pressure) (Brazed)		1-1/8 Brazed	1-1/8 Brazed	1-3/8 Brazed	1-3/8 Brazed
Indoor Unit Connectable	Total capacity		50~150% of outdoor unit capacity			
	Model / Quantity		P05~P96/1~48	P05~P96/2~50	P05~P96/2~50	P05~P96/2~50
Guaranteed Operating Range *1	Cooling (Outdoor) *2		23~126°F (-5~52°C)			
	Heating (Outdoor) *3		-13F~60°F (-25~15.5°C)			
Extended Operating Range *4	Heating (Outdoor)		-25~60°F (-31.5~15.5°C)			
Efficiency Ratings *5	EER (Ducted/Non-Ducted)		12.7 / 14.1	12.2 / 13.5	11.7 / 12.2	11.3 / 11.9
	IEER (Ducted/Non-Ducted)		25.3 / 31.8	24.6 / 30.4	23.9 / 27.4	23.5 / 27.4
	COP (Ducted/Non-Ducted)		3.66 / 3.99	3.56 / 3.89	3.46 / 3.58	3.36 / 3.53
	SCHE (Ducted/Non-Ducted)		23.0 / 28.0	22.7 / 26.9	22.9 / 26.8	22.3 / 25.7

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)

Twinning kit is required for combining multiple individual outdoor units in the field for TURYE**(3/4)BN40A(N/B) combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your sales representative for more details about your region.
2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.
3. When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.
5. Efficiency ratings are based on AHRI 1230 test method

TURYE**(3/4)BN40AN

SPECIFICATIONS			MODEL NAMES		
VOLTAGES		208V /230V	TURYE2883BN40A (N/B) With 2 TURYE1443AN40A (N/B)	TURYE3123BN40A (N/B) With 1 TURYE1683AN40A (N/B) and 1 TURYE1443AN40A (N/B)	TURYE3363BN40A (N/B) With 2 TURYE1683AN40A (N/B)
		460V	TURYE2884BN40A (N/B) With 2 TURYE1444AN40A (N/B)	TURYE3124BN40A (N/B) With 1 TURYE1684AN40A (N/B) and 1 TURYE1444AN40A (N/B)	TURYE3364BN40A (N/B) with 2 TURYE1684AN40A (N/B)
Power Source			3-phase 3-wire 208-230 V ±10% 60 Hz		
			3-phase 3-wire 460 V ±10% 60 Hz		
Capacity (Nominal)	Cooling	Btu/h	288,000	312,000	336,000
	Heating	Btu/h	323,000	350,000	378,000
Electrical Supply	MCA	A	Refer to: With 2 TURYE1443AN40A (N/B)	Refer to: With 1 TURYE1683AN40A (N/B) and 1 TURYE1443AN40A (N/B)	Refer to: With 2 TURYE1683AN40A (N/B)
	MOP	A			
	SCCR	A	With 2 TURYE1444AN40A (N/B)	With 1 TURYE1684AN40A (N/B) and 1 TURYE1444AN40A (N/B)	with 2 TURYE1684AN40A (N/B)
	Recommended Fuse Size	A			
Fan	Type X Quantity				
	Airflow Rate	CFM			
	External Static Pressure				
Compressor	Type X Quantity				
	Operating Range		7.5% to 100%	7.5% to 100%	7.5% to 100%
	Lubricant		Refer to: With 2 TURYE1443AN40A (N/B)	Refer to: With 1 TURYE1683AN40A (N/B) and 1 TURYE1443AN40A (N/B)	Refer to: With 2 TURYE1683AN40A (N/B)
Refrigerant	Type				
External Finish					
Dimensions	Height	In.			
	Width		With 2 TURYE1444AN40A (N/B)	With 1 TURYE1684AN40A (N/B) and 1 TURYE1444AN40A (N/B)	with 2 TURYE1684AN40A (N/B)
	Depth				
Net Weight		lbs.			
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	68.0/68.5	67.0/69.0	65.5/69.5
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	88.5/88.5	87.0/88.5	84.0/88.5
Protection Devices	High Pressure		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter Circuit (Compressor/Fan)		Over-heat protection, Over-current protection		
Refrigerant Pipe Dimensions	Liquid (High Pressure) (Brazed)	In.	1-1/8 Brazed		
	Gas (Low Pressure) (Brazed)		1-3/8 Brazed	1-5/8 Brazed	1-5/8 Brazed
Indoor Unit Connectable	Total capacity		50~150% of outdoor unit capacity		
	Model / Quantity		P05~P96/2~50		
Guaranteed Operating Range *1	Cooling (Outdoor) *2		23~126°F (-5~52°C)		
	Heating (Outdoor) *3		-13F~60°F (-25~15.5°C)		
Extended Operating Range *4	Heating (Outdoor)		-25~60°F (-31.5~15.5°C)		
Efficiency Ratings *5	EER (Ducted/Non-Ducted)		10.9 / 11.5	10.7 / 10.9	10.5 / 10.3
	IEER (Ducted/Non-Ducted)		23.1 / 27.4	22.8 / 26.1	22.5 / 24.9
	COP (Ducted/Non-Ducted)		3.26 / 3.46	3.24 / 3.37	3.22 / 3.29
	SCHE (Ducted/Non-Ducted)		21.7 / 24.5	20.6 / 23.8	20.4 / 23.4

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)

Twinning kit is required for combining multiple individual outdoor units in the field for TURYE**(3/4)BN40A(N/B) combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your sales representative for more details about your region.
2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.
3. When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.
5. Efficiency ratings are based on AHRI 1230 test method

TUHYE(3/4)AN40AN

SPECIFICATIONS				MODEL NAMES		
VOLTAGES			208V /230V	TUHYE0723AN40A (N/B)	TUHYE0963AN40A (N/B)	TUHYE1203AN40A (N/B)
			460V	TUHYE0724AN40A (N/B)	TUHYE0964AN40A (N/B)	TUHYE1204AN40A (N/B)
Power Source				3-phase 3-wire 208-230 V ±10% 60 Hz		
				3-phase 3-wire 460 V ±10% 60 Hz		
Capacity (Nominal)	Cooling	Btu/h		72,000	96,000	120,000
	Heating	Btu/h		80,000	108,000	135,000
Electrical Supply	MCA	A		23/21	31/29	40/37
				10	14	18
	MOP	A		35/30	45/40	60/50
				15	20	25
	SCCR	A		5	5	5
	Recommended Fuse Size	A		35/30	45/40	60/50
				15	20	25
Fan	Type X Quantity			Propeller fan x 1	Propeller fan x 2	Propeller fan x 2
	Airflow Rate	CFM		6,000	6,700	7,750
	External Static Pressure			Selectable; 0, 0.12, 0.24, 0.32 in.WG; factory set to 0 in.WG		
Compressor	Type X Quantity			Inverter scroll hermetic compressor x 1		
	Operating Range			15% to 100%	15% to 100%	15% to 100%
	Lubricant			MEL32		
Refrigerant	Type			R410A		
External Finish				Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
Dimensions	Height	In.		71-5/8		
	Width			36-1/4	48-7/8	48-7/8
	Depth			29-3/16		
Net Weight		lbs.		512	622	633
				545	657	668
Sound Pressure Level (Measured in Anechoic Room)		dB(A)		55.0/57.0	56.0/58.5	59.5/61.5
Sound Pressure Level (Measured in Anechoic Room)		dB(A)		74.0/76.0	75.0/77.5	79.5/80.5
Protection Devices	High Pressure			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter Circuit (Compressor/Fan)			Over-current protection		
Refrigerant Pipe Dimensions	Liquid (High Pressure) (Brazed)	In.		3/8 Brazed	3/8 Brazed (1/2 Brazed, the farthest pipe length >= 90 m)	3/8 Brazed (1/2 Brazed, the farthest pipe length >= 40 m)
	Gas (Low Pressure) (Brazed)			7/8 Brazed	7/8 Brazed	1-1/8 Brazed
Indoor Unit Connectable	Total capacity			50~130% of outdoor unit capacity		
	Model / Quantity			P05~P72/1~15	P05~P96/1~20	P05~P96/1~26
Guaranteed Operating Range *1	Cooling (Outdoor) *2			23~126°F (-5~52°C)		
	Heating (Outdoor) *3			-13F~60°F (-25~15.5°C)		
Extended Operating Range *4	Heating (Outdoor)			-25~60°F (-31.5~15.5°C)		
Efficiency Ratings *5	EER (Ducted/Non-Ducted)			13.5 / 15.5	14.1 / 15.3	13.3 / 14.3
	IEER (Ducted/Non-Ducted)			25.3 / 32.5	26.7 / 34.0	25.4 / 30.8
	COP (Ducted/Non-Ducted)			4.05 / 4.57	4.04 / 4.39	3.80 / 4.21

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)

1. Harsh weather environments may demand performance enhancing equipment. Ask your sales representative for more details about your region.
2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.
3. When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.
5. Efficiency ratings are based on AHRI 1230 test method

TUHYE**(3/4)AN40AN

SPECIFICATIONS				MODEL NAMES		
VOLTAGES			208V /230V	TUHYE1443AN40A (N/B)	TUHYE1683AN40A (N/B)	TUHYE1923AN40A (N/B)
			460V	TUHYE1444AN40A (N/B)	TUHYE1684AN40A (N/B)	TUHYE1924AN40A (N/B)
Power Source				3-phase 3-wire 208-230 V ±10% 60 Hz		
				3-phase 3-wire 460 V ±10% 60 Hz		
Capacity (Nominal)	Cooling		Btu/h	144,000	168,000	192,000
	Heating		Btu/h	160,000	188,000	215,000
Electrical Supply	MCA		A	47/44	56/51	68/62
				21	25	31
	MOP		A	70/70	90/80	110/100
				35	40	40
	SCCR		A	5	5	5
	Recommended Fuse Size		A	60/60	70/70	70/70
				35	40	40
Fan	Type X Quantity			Propeller fan x 2		
	Airflow Rate		CFM	9,200	10,600	12,700
	External Static Pressure			Selectable; 0, 0.12, 0.24, 0.32 in.WG; factory set to 0 in.WG		
Compressor	Type X Quantity			Inverter scroll hermetic compressor x 1		
	Operating Range			15% to 100%	15% to 100%	15% to 100%
	Lubricant			MEL32		
Refrigerant	Type			R410A		
External Finish				Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar>		
Dimensions	Height		In.	71-5/8		
	Width			48-7/8	68-15/16	68-15/16
	Depth			29-3/16		
Net Weight			lbs.	680	757	757
				715	788	788
Sound Pressure Level (Measured in Anechoic Room)			dB(A)	62.0/64.5	60.0/61.5	61.5/63.5
Sound Pressure Level (Measured in Anechoic Room)			dB(A)	82.5/83.5	78.5/80.5	80.0/82.5
Protection Devices	High Pressure			High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter Circuit (Compressor/Fan)			Over-current protection		
Refrigerant Pipe Dimensions	Liquid (High Pressure) (Brazed)		In.	1/2 Brazed	5/8 Brazed	5/8 Brazed
	Gas (Low Pressure) (Brazed)			1-1/8 Brazed	1-1/8 Brazed	1-1/8 Brazed
Indoor Unit Connectable	Total capacity			50~130% of outdoor unit capacity		
	Model / Quantity			P05~P96/1~31	P05~P96/1~36	P05~P96/1~41
Guaranteed Operating Range *1	Cooling (Outdoor) *2			23~126°F (-5~52°C)		
	Heating (Outdoor) *3			-13F~60°F (-25~15.5°C)		
Extended Operating Range *4	Heating (Outdoor)			-25~60°F (-31.5~15.5°C)		
Efficiency Ratings *5	EER (Ducted/Non-Ducted)			12.4 / 13.4	11.7 / 12.4	10.7 / 11.7
	IEER (Ducted/Non-Ducted)			24.6 / 30.4	24.0 / 31.2	23.1 / 30.0
	COP (Ducted/Non-Ducted)			3.68 / 4.01	3.61 / 4.11	3.51 / 4.04

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)

1. Harsh weather environments may demand performance enhancing equipment. Ask your sales representative for more details about your region.
2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.
3. When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.
5. Efficiency ratings are based on AHRI 1230 test method

TUHYE**(3/4)BN40AN

SPECIFICATIONS			MODEL NAMES			
VOLTAGES		208V /230V	TUHYE1923BN40A (N/B) With 2 TUHYE0963AN40A (N/B)	TUHYE2163BN40A (N/B) With 1 TUHYE1203AN40A (N/B) and 1 TUHYE0963AN40A (N/B)	TUHYE2403BN40A (N/B) With 2 TUHYE1203AN40A (N/B)	TUHYE2643BN40A (N/B) With 2 TUHYE0963AN40A (N/B) and 1 TUHYE0723AN40A (N/B)
		460V	TUHYE1924BN40A (N/B) With 2 TUHYE0964AN40A (N/B)	TUHYE2164BN40A (N/B) With 1 TUHYE1204AN40A (N/B) and 1 TUHYE0964AN40A (N/B)	TUHYE2404BN40A (N/B) With 2 TUHYE1204AN40A (N/B)	TUHYE2644BN40A (N/B) With 2 TUHYE0964AN40A (N/B) and 1 TUHYE0724AN40A (N/B)
Power Source			3-phase 3-wire 208-230 V ±10% 60 Hz			
			3-phase 3-wire 460 V ±10% 60 Hz			
Capacity (Nominal)	Cooling	Btu/h	192,000	216,000	240,000	264,000
	Heating	Btu/h	216,000	243,000	270,000	296,000
Electrical Supply	MCA	A	Refer to: With 2 TUHYE0963AN40A (N/B)	Refer to: With 1 TUHYE1203AN40A (N/B) and 1 TUHYE0963AN40A (N/B)	Refer to: With 2 TUHYE1203AN40A (N/B)	Refer to: With 2 TUHYE0963AN40A (N/B) and 1 TUHYE0723AN40A (N/B)
	MOP	A				
	SCCR	A	With 2 TUHYE0964AN40A (N/B)	With 1 TUHYE1204AN40A (N/B) and 1 TUHYE0964AN40A (N/B)	With 2 TUHYE1204AN40A (N/B)	With 2 TUHYE0964AN40A (N/B) and 1 TUHYE0724AN40A (N/B)
	Recommended Fuse Size	A				
Fan	Type X Quantity					
	Airflow Rate	CFM				
	External Static Pressure					
Compressor	Type X Quantity					
	Operating Range		7.5% to 100%	7.5% to 100%	7.5% to 100%	5% to 100%
	Lubricant		Refer to: With 2 TUHYE0963AN40A (N/B)	Refer to: With 1 TUHYE1203AN40A (N/B) and 1 TUHYE0963AN40A (N/B)	Refer to: With 2 TUHYE1203AN40A (N/B)	Refer to: With 2 TUHYE0963AN40A (N/B) and 1 TUHYE0723AN40A (N/B)
Refrigerant	Type					
External Finish						
Dimensions	Height	In.				
	Width					
	Depth		With 2 TUHYE0964AN40A (N/B)	With 1 TUHYE1204AN40A (N/B) and 1 TUHYE0964AN40A (N/B)	With 2 TUHYE1204AN40A (N/B)	With 2 TUHYE0964AN40A (N/B) and 1 TUHYE0724AN40A (N/B)
Net Weight		lbs.				
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	59.5/62.0	61.5/63.5	63.0/65.0	60.5/63.0
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	78.5/81.0	81.0/82.5	83.0/84.0	79.5/82.0
Protection Devices	High Pressure		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			
	Inverter Circuit (Compressor/Fan)		Over-current protection			
Refrigerant Pipe Dimensions	Liquid (High Pressure) (Brazed)	In.	5/8 Brazed	5/8 Brazed	5/8 Brazed	3/4 Brazed
	Gas (Low Pressure) (Brazed)		1-1/8 Brazed	1-1/8 Brazed	1-1/8 Brazed	1-3/8 Brazed
Indoor Unit Connectable	Total capacity		50~130% of outdoor unit capacity			
	Model / Quantity		P05~P96/1~41	P05~P96/2~46	P05~P96/2~50	P05~P96/2~50
Guaranteed Operating Range *1	Cooling (Outdoor) *2		23~126°F (-5~52°C)			
	Heating (Outdoor) *3		-13F~60°F (-25~15.5°C)			
Extended Operating Range *4	Heating (Outdoor)		-25~60°F (-31.5~15.5°C)			
Efficiency Ratings *5	EER (Ducted/Non-Ducted)		13.0 / 14.3	12.7 / 13.8	12.3 / 12.5	12.7 / 13.4
	IEER (Ducted/Non-Ducted)		25.3 / 32.6	24.8 / 31.1	24.2 / 27.7	24.6 / 30.0
	COP (Ducted/Non-Ducted)		3.75 / 4.11	3.65 / 4.03	3.54 / 3.73	3.72 / 3.94

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)

Twinning kit is required for combining multiple individual outdoor units in the field for TUHYE**(3/4)BN40A(N/B) combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your sales representative for more details about your region.
2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.
3. When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.
5. Efficiency ratings are based on AHRI 1230 test method

TUHYE**(3/4)BN40AN

SPECIFICATIONS			MODEL NAMES			
VOLTAGES		208V /230V	TUHYE2883BN40A (N/B) With TUHYE1203AN40A (N/B) and TUHYE0963AN40A (N/B) and TUHYE0723AN40A (N/B)	TUHYE3123BN40A (N/B) With 2 TUHYE1203AN40A (N/B) and 1 TUHYE0723AN40A (N/B)	TUHYE3363BN40A (N/B) With 2 TUHYE1203AN40A (N/B) and 1 TUHYE0963AN40A (N/B)	TUHYE3603BN40A (N/B) With 3 TUHYE1203AN40A (N/B)
		460V	TUHYE2884BN40A (N/B) With TUHYE1204AN40A (N/B) and TUHYE0964AN40A (N/B) and TUHYE0724AN40A (N/B)	TUHYE3124BN40A (N/B) With 2 TUHYE1204AN40A (N/B) and 1 TUHYE0724AN40A (N/B)	TUHYE3364BN40A (N/B) With 2 TUHYE1204AN40A (N/B) and 1 TUHYE0964AN40A (N/B)	TUHYE3604BN40A (N/B) With 3 TUHYE1204AN40A (N/B)
Power Source			3-phase 3-wire 208-230 V ±10% 60 Hz			
			3-phase 3-wire 460 V ±10% 60 Hz			
Capacity (Nominal)	Cooling	Btu/h	288,000	312,000	336,000	360,000
	Heating	Btu/h	323,000	350,000	378,000	405,000
Electrical Supply	MCA	A	Refer to: With TUHYE1203AN40A (N/B) and TUHYE0963AN40A (N/B) and TUHYE0723AN40A (N/B)	Refer to: With 2 TUHYE1203AN40A (N/B) and 1 TUHYE0723AN40A (N/B)	Refer to: With 2 TUHYE1203AN40A (N/B) and 1 TUHYE0963AN40A (N/B)	Refer to: With 3 TUHYE1203AN40A (N/B)
	MOP	A				
	SCCR	A	With TUHYE1204AN40A (N/B) and TUHYE0964AN40A (N/B) and TUHYE0724AN40A (N/B)	With 2 TUHYE1204AN40A (N/B) and 1 TUHYE0724AN40A (N/B)	With 2 TUHYE1204AN40A (N/B) and 1 TUHYE0964AN40A (N/B)	With 3 TUHYE1204AN40A (N/B)
	Recommended Fuse Size	A				
Fan	Type X Quantity					
	Airflow Rate	CFM				
	External Static Pressure					
Compressor	Type X Quantity					
	Operating Range		5% to 100%	5% to 100%	5% to 100%	5% to 100%
	Lubricant		Refer to: With TUHYE1203AN40A (N/B) and TUHYE0963AN40A (N/B) and TUHYE0723AN40A (N/B)	Refer to: With 2 TUHYE1203AN40A (N/B) and 1 TUHYE0723AN40A (N/B)	Refer to: With 2 TUHYE1203AN40A (N/B) and 1 TUHYE0963AN40A (N/B)	Refer to: With 3 TUHYE1203AN40A (N/B)
Refrigerant	Type					
External Finish						
Dimensions	Height	In.				
	Width		With TUHYE1204AN40A (N/B) and TUHYE0964AN40A (N/B) and TUHYE0724AN40A (N/B)	With 2 TUHYE1204AN40A (N/B) and 1 TUHYE0724AN40A (N/B)	With 2 TUHYE1204AN40A (N/B) and 1 TUHYE0964AN40A (N/B)	With 3 TUHYE1204AN40A (N/B)
	Depth					
Net Weight		lbs.				
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	62.5/64.5	63.5/65.5	63.5/65.5	64.5/66.5
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	82.0/83.5	83.5/84.5	83.5/84.5	84.5/85.5
Protection Devices	High Pressure		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)			
	Inverter Circuit (Compressor/Fan)		Over-current protection			
Refrigerant Pipe Dimensions	Liquid (High Pressure) (Brazed)	In.	3/4 Brazed			
	Gas (Low Pressure) (Brazed)		1-3/8 Brazed	1-3/8 Brazed	1-5/8 Brazed	1-5/8 Brazed
Indoor Unit Connectable	Total capacity		50~130% of outdoor unit capacity			
	Model / Quantity		P05~P96/2~50			
Guaranteed Operating Range *1	Cooling (Outdoor) *2		23~126°F (-5~52°C)			
	Heating (Outdoor) *3		-13F~60°F (-25~15.5°C)			
Extended Operating Range *4	Heating (Outdoor)		-25~60°F (-31.5~15.5°C)			
Efficiency Ratings *5	EER (Ducted/Non-Ducted)		12.4 / 13.2	12.2 / 12.6	12.4 / 12.3	12.2 / 12.1
	IEER (Ducted/Non-Ducted)		24.2 / 29.3	23.9 / 27.7	24.3 / 27.6	24.0 / 26.9
	COP (Ducted/Non-Ducted)		3.65 / 3.91	3.58 / 3.78	3.58 / 3.68	3.51 / 3.65

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)

Twinning kit is required for combining multiple individual outdoor units in the field for TUHYE**(3/4)BN40A(N/B) combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your sales representative for more details about your region.
2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.
3. When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.
5. Efficiency ratings are based on AHRI 1230 test method

TUHYE**(3/4)BN40AN

SPECIFICATIONS			MODEL NAMES		
VOLTAGES		208V /230V	TUHYE3843BN40A (N/B) With 1 TUHYE1443AN40A (N/B) and 2 TUHYE1203AN40A (N/B)	TUHYE4083BN40A (N/B) With 2 TUHYE1443AN40A (N/B) and 1 TUHYE1203AN40A (N/B)	TUHYE4323BN40A (N/B) With 3 TUHYE1443AN40 (N/B)
		460V	TUHYE3844BN40A (N/B) With 1 TUHYE1444AN40A (N/B) and 2 TUHYE1204AN40A (N/B)	TUHYE4084BN40A (N/B) With 2 TUHYE1444AN40A (N/B) and 1 TUHYE1204AN40A (N/B)	TUHYE4324BN40A (N/B) With 3 TUHYE1444AN40A (N/B)
Power Source			3-phase 3-wire 208-230 V ±10% 60 Hz		
			3-phase 3-wire 460 V ±10% 60 Hz		
Capacity (Nominal)	Cooling	Btu/h	384,000	408,000	432,000
	Heating	Btu/h	430,000	455,000	480,000
Electrical Supply	MCA	A	Refer to: With 1 TUHYE1443AN40A (N/B) and 2 TUHYE1203AN40A (N/B)	Refer to: With 2 TUHYE1443AN40A (N/B) and 1 TUHYE1203AN40A (N/B)	Refer to: With 3 TUHYE1443AN40 (N/B)
	MOP	A			
	SCCR	A	With 1 TUHYE1444AN40A (N/B) and 2 TUHYE1204AN40A (N/B)	With 2 TUHYE1444AN40A (N/B) and 1 TUHYE1204AN40A (N/B)	With 3 TUHYE1444AN40A (N/B)
	Recommended Fuse Size	A			
Fan	Type X Quantity				
	Airflow Rate	CFM			
	External Static Pressure				
Compressor	Type X Quantity				
	Operating Range		5% to 100%	5% to 100%	5% to 100%
	Lubricant		Refer to: With 1 TUHYE1443AN40A (N/B) and 2 TUHYE1203AN40A (N/B)	Refer to: With 2 TUHYE1443AN40A (N/B) and 1 TUHYE1203AN40A (N/B)	Refer to: With 3 TUHYE1443AN40 (N/B)
Refrigerant	Type				
External Finish					
Dimensions	Height	In.			
	Width		With 1 TUHYE1444AN40A (N/B) and 2 TUHYE1204AN40A (N/B)	With 2 TUHYE1444AN40A (N/B) and 1 TUHYE1204AN40A (N/B)	With 3 TUHYE1444AN40A (N/B)
	Depth				
Net Weight		lbs.			
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	65.5/68.0	66.5/68.5	67.0/69.5
Sound Pressure Level (Measured in Anechoic Room)		dB(A)	86.0/87.0	86.5/87.5	87.5/88.5
Protection Devices	High Pressure		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		
	Inverter Circuit (Compressor/Fan)		Over-current protection		
Refrigerant Pipe Dimensions	Liquid (High Pressure) (Brazed)	In.	3/4 Brazed		
	Gas (Low Pressure) (Brazed)		1-5/8 Brazed		
Indoor Unit Connectable	Total capacity		50~130% of outdoor unit capacity		
	Model / Quantity		P05~P96/2~50	P05~P96/3~50	P05~P96/3~50
Guaranteed Operating Range *1	Cooling (Outdoor) *2		23~126°F (-5~52°C)		
	Heating (Outdoor) *3		-13F~60°F (-25~15.5°C)		
Extended Operating Range *4	Heating (Outdoor)		-25~60°F (-31.5~15.5°C)		
Efficiency Ratings *5	EER (Ducted/Non-Ducted)		11.9 / 11.8	11.7 / 11.4	11.4 / 11.1
	IEER (Ducted/Non-Ducted)		23.8 / 26.6	23.5 / 26.3	23.3 / 25.9
	COP (Ducted/Non-Ducted)		3.48 / 3.57	3.45 / 3.49	3.41 / 3.41

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)

Twinning kit is required for combining multiple individual outdoor units in the field for TUHYE**(3/4)BN40A(N/B) combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your sales representative for more details about your region.
2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.
3. When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating.
4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.
5. Efficiency ratings are based on AHRI 1230 test method

TCMBG**SJ11N4 (Single BC)

SPECIFICATIONS			MODEL NAMES				
			TCMBG0104SJ11N4	TCMBG0106SJ11N4	TCMBG0108SJ11N4	TCMBG1012SJ11N4	TCMBG1016SJ11N4
Number of Branches			4	6	8	12	16
Power Source			208 / 230V, 1 phase, 60Hz				
Power Input (208/230V)	Cooling	kW	0.061 / 0.078	0.091 / 0.118	0.122 / 0.157	0.182 / 0.235	0.243 / 0.314
	Heating	kW	0.030 / 0.039	0.046 / 0.059	0.061 / 0.078	0.091 / 0.118	0.122 / 0.157
Current (208/230V)	Cooling	A	0.30 / 0.35	0.44 / 0.52	0.59 / 0.69	0.88 / 1.03	1.17 / 1.37
	Heating	A	0.15 / 0.18	0.22 / 0.26	0.30 / 0.35	0.44 / 0.52	0.59 / 0.69
External Finish			Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating)				
Dimensions	Height	In.	9-7/8				
	Width		23-1/2	23-1/2	23-1/2	35-7/8	44-11/16
	Depth		15-11/16	15-11/16	15-11/16	21-1/2	21-1/2
Net Weight		Lbs.	58	64	73	109	131
Refrigerant Pipe Dimensions	To Indoor Unit	Liquid Pipe (In.)	3/8				
		Gas Pipe (In.)	5/8				
Connectable Outdoor/ Heat Source Unit Capacity		Btu/h	72,000 to 120,000				
Indoor unit Capacity Connectable to One Branch			54,000				
Drain Pipe			3/4 NPT				
Sound Power Level (Measured in Anechoic Room)		Rated Operation dB(A)	59				
		Defrost dB(A)	71				
Sound Pressure Level (Measured in Anechoic Room)		Rated Operation dB(A)	40				
		Defrost dB(A)	53				

Total Downstream Capacity (Nominal cooling) (Btu/h)	Liquid (High Pressure)	Gas (Low Pressure)	Liquid Pipe
Less than 72,000	5/8 (Brazed)	3/4 (Brazed)	3/8 (Brazed)
Between 73,000 and 108,000	3/4 (Brazed)	7/8 (Brazed)	3/8 (Brazed)
Between 109,000 and 126,000	3/4 (Brazed)	1-1/8 (Brazed)	1/2 (Brazed)
Between 127,000 and 144,000	7/8 (Brazed)	1-1/8 (Brazed)	1/2 (Brazed)
Between 145,000 and 216,000	7/8 (Brazed)	1-1/8 (Brazed)	5/8 (Brazed)
Between 217,000 and 234,000	1-1/8 (Brazed)	1-1/8 (Brazed)	5/8 (Brazed)
Between 235,000 and 288,000	1-1/8 (Brazed)	1-3/8 (Brazed)	3/4 (Brazed)
Between 289,000 and 360,000	1-1/8 (Brazed)	1-5/8 (Brazed)	3/4 (Brazed)
Greater than 361,000	1-3/8 (Brazed)	1-5/8 (Brazed)	3/4 (Brazed)

TCMBM**(JA/KA)11N4 (Main BC)

SPECIFICATIONS			MODEL NAMES			
			TCMBM0108JA11N4	TCMBM1012JA11N4	TCMBM1016JA11N4	TCMBM1016KA11N4
Number of Branches			8	12	16	16
Power Source			208 / 230V, 1 phase, 60Hz			
Power Input (208/230V)	Cooling	kW	0.137 / 0.176	0.198 / 0.255	0.258 / 0.333	0.258 / 0.333
	Heating	kW	0.076 / 0.098	0.106 / 0.137	0.137 / 0.176	0.137 / 0.176
Current (208/230V)	Cooling	A	0.66 / 0.77	0.95 / 0.11	1.25 / 1.45	1.25 / 1.45
	Heating	A	0.37 / 0.43	0.52 / 0.60	0.66 / 0.77	0.66 / 0.77
External Finish			Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating)			
Dimensions	Height	In.	9-7/8			
	Width		35-7/8	44-11/16	44-11/16	44-11/16
	Depth		21-1/2			
Net Weight		Lbs.	106	133	150	153
Refrigerant Pipe Dimensions	To Indoor Unit	Liquid Pipe (In.)	3/8			
		Gas Pipe (In.)	5/8			
Connectable Outdoor / Heat Source Unit Capacity		Btu/h	72,000 to 336,000			72,000 to 432,000
Max. Connected Capacity to Sub BC Controllers		Btu/h	126,000			
Indoor unit Capacity Connectable to One Branch			54,000			
Drain Pipe			3/4 NPT			
Sound Power Level (Measured in Anechoic Room)		Rated Operation dB(A)	68			66
		Defrost dB(A)	74			73
Sound Pressure Level (Measured in Anechoic Room)		Rated Operation dB(A)	50			48
		Defrost dB(A)	56			55

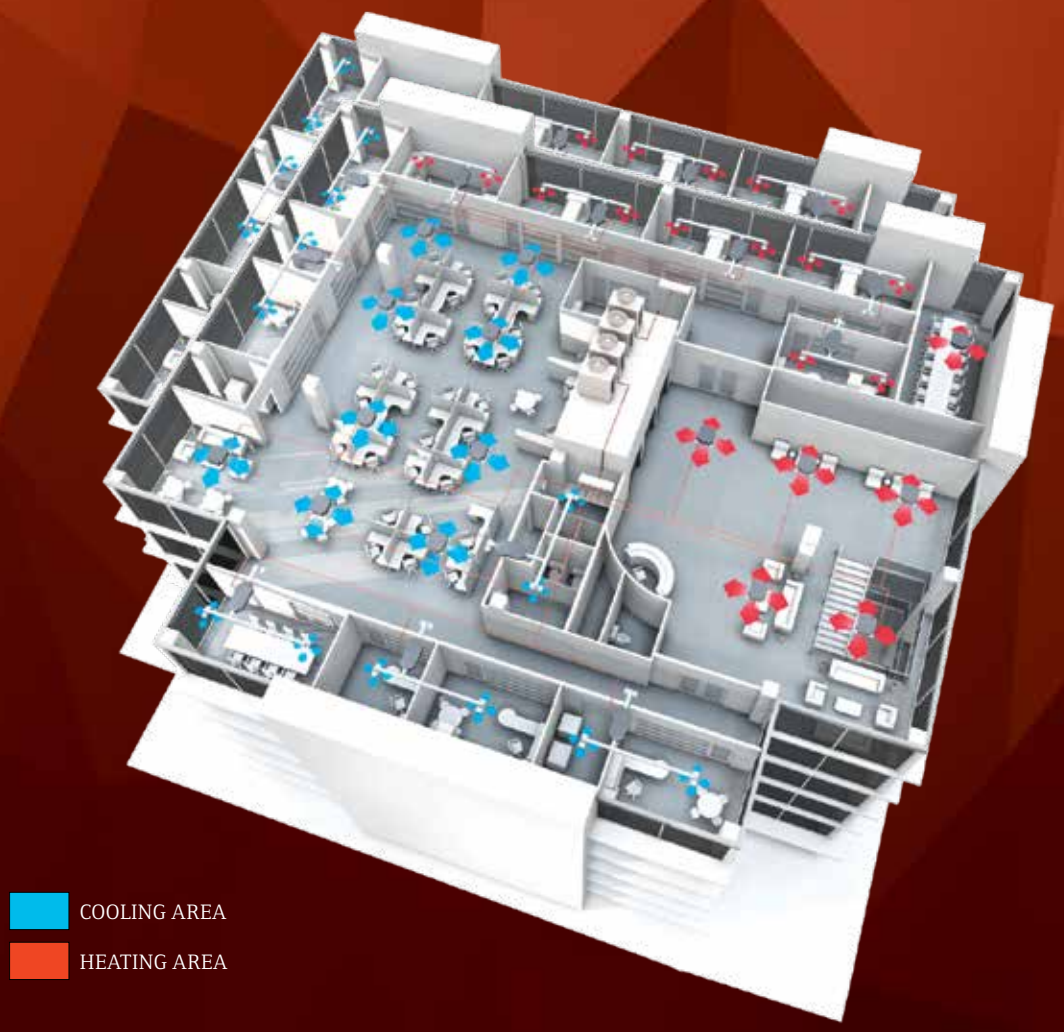
TCMBS**KB11N4 (Sub BC)

SPECIFICATIONS			MODEL NAMES	
			TCMBS0104KB11N4	TCMBS0108KB11N4
Number of Branches			4	8
Power Source			208 / 230V, 1 phase, 60Hz	
Power Input (208/230V)	Cooling	kW	0.061 / 0.078	0.122 / 0.157
	Heating	kW	0.030 / 0.039	0.061 / 0.078
Current (208/230V)	Cooling	A	0.30 / 0.35	0.59 / 0.69
	Heating	A	0.15 / 0.18	0.30 / 0.35
External Finish			Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating)	
Dimensions	Height	In.	9-7/8	
	Width	In.	23-1/2	
	Depth	In.	15-11/16	
Net Weight		Lbs.	51	69
Refrigerant Pipe Dimensions	To Indoor Unit	Liquid Pipe (In.)	3/8	
		Gas Pipe (In.)	5/8	
Maximum Connectable Sub BC Controllers			11	
Max. Connected Capacity for All Branches		Btu/h	126,000	
Indoor unit Capacity Connectable to One Branch			54,000	
Drain Pipe			3/4 NPT	
Sound Power Level (Measured in Anechoic Room)		Rated Operation dB(A)	59	
		Defrost dB(A)	71	
Sound Pressure Level (Measured in Anechoic Room)		Rated Operation dB(A)	40	
		Defrost dB(A)	53	

WANT TO KNOW MORE ABOUT VRF TECHNOLOGY

When was the last time you found a building technology that improves occupant comfort without increasing costs or complexity? Variable Refrigerant Flow is the HVAC technology that helps keep building occupants comfortable while delivering benefits conventional HVAC technologies cannot.

Conventional HVAC systems condition air or water at a central location and waste energy pushing it through a building where cooling or heating is required. With VRF, small diameter piping delivers conditioned refrigerant directly to the space requiring conditioning, improving energy efficiency and increasing the temperature precision. Since each area or zone can be controlled individually, occupants can control personal comfort without impacting surrounding zones.



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