

Quick Reference Guide

Voyager™ 12.5 to 25 Tons Packaged Rooftop Units Cooling & Gas/Electric

Table 1. Model number description

T*D	Cooling Only (Electric Heat Optional), Downflow
T*H	Cooling Only (Electric Heat Optional), Horizontal
Y*D	Gas Heat Unit, Downflow
Y*H	Gas Heat Unit, Horizontal

* Standard (S) or High (H) Efficiency

March 2017

RT-PRC038K-EN
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1

Table 2. List of factory installed options (FIOPs)^(a)

2" MERV 8 or MERV 13 Pleated Filters w/ Removal Tool	Hinged Access Panels
Air-Fi™ Wireless Communication Interface (WCI)	Horizontal Side Access with Circuit Breaker
BACnet™ Communication Interface (BCI)	Horizontal Side Access with Disconnect Switch
Barometric Relief ^(b) (c)	LonTalk® Communication Interface (LCI)
Clogged Filter/Fan Failure Switch ^(d)	Modulating Gas Heat Furnace w/ a 2.5:1 Turndown Ratio ^(d)
Complete Coat™ Microchannel Condenser Coil	Motor Shaft Grounding Ring ^(e)
Condensate Overflow Switch	Oversized Motors
DCV Harness	Powered/Unpowered Convenience Outlet ^(f)
Dehumidification	Stainless Steel Drain Pan
Delivered VAV ^(d)	Stainless Steel Heat Exchanger
Discharge Air Sensing Kit ^(d)	Supply & Return Air Smoke Detectors ^(d)
Economizer - Low Leak/Downflow ^(c)	Through the Base Electrical with Circuit Breaker
Economizer - Standard/Downflow ^(c)	Through the Base Electrical with Disconnect Switch
Electric Heaters	Through the Base Gas Provision
Fault Detection & Diagnostics (FDD)	Tool-less Hail Guard
Frostat™ ^(d) (g)	Trane® Communication Interface (TCI) ^(h)
High Efficiency Motors	Two Speed Fan Provision
High Short Circuit Current Rated (SCCR) Electrical Subsystem ⁽ⁱ⁾	Variable Speed Fan Provision for Single Zone VAV

- (a) Most Factory Installed Options are available for downflow air discharge units only. Verify with ordering system for availability.
- (b) Requires an Economizer.
- (c) Some field set up required.
- (d) Requires ReliaTel Options Module.
- (e) Available with Two Speed Fan or Variable Speed Fan.
- (f) Must be ordered with Through the Base Electrical option or Horizontal Side Access, and either Unit Mounted Disconnect switch or Circuit Breaker.
- (g) Standard on high efficiency units.
- (h) TCI is for use with non-VariTrac™ systems and VariTrac systems.
- (i) Available on 208V/60 Hz, 230V/60 Hz, and 480V/60 Hz only.

2

Table 3. 12½-25 ton packaged rooftop performance data (gas or electric heat)

Nominal Size (Tons)	Standard Efficiency					High Efficiency				
	12.5	15	17.5	20	25	12.5	15	17.5	20	25
Cooling Performance										
Nominal Airflow CFM / ARI Rated CFM	5,000/4,000	6,000/5,400	7,000/6,125	8,000/6,400	10,000/7,750	5,000/4,000	6,000/5,250	7,000/5,600	8,000/6,400	10,000/8,000
Tot / Sens Cap (MBh) ^(a) (b)	150.1/116.0	186.1/139.1	210.3/165.0	258.9/197.3	296.4/228.4	149.6/113.4	181.5/138.0	212.7/165.5	259.0/192.5	295.3/234.2
EER ^(c)	11	11	11	10.0	10.0	12.1	12.1	11.8	11.0	10.6
IEER (One Speed Fan / Multi or Variable Speed Fan) ^(d)	TS* = 12.4/13.5 YS* = 12.2/13.5	TS* = 12.4/13.2 YS* = 12.2/13.2	TS* = 12.4/13.2 YS* = 12.2/13.2 ^(e)	TS* = 11.6/12.4 YS* = 11.4/12.4	TS* = 11.6/12.4 YS* = 11.4/12.4 ^(e)	13.5/15.0	14.0/15.0	13.0/14.0	12.4/14.0	12.4/15.0
Gas Heating Performance^(f)										
Low Heat (Input/output) - (MBh)	150.0/120.0	250.0/200.0	250.0/200.0	250.0/200.0	250.0/200.0	150.0/120.0	250.0/200.0	250.0/200.0	250.0/200.0	250.0/200.0
Medium Heat (Input/output) - (MBh)	350.0/280.0	350.0/280.0	350.0/280.0	350.0/280.0	350.0/280.0	350.0/280.0	350.0/280.0	350.0/280.0	350.0/280.0	350.0/280.0
High Heat (Input/output) - (MBh)	250.0/200.0	350.0/280.0	350.0/280.0	400.0/320.0	400.0/320.0	250.0/200.0	350.0/280.0	350.0/280.0	400.0/320.0	400.0/320.0
Weight										
Net Weight (Lbs) - Gas Heat	1448	1838	1894	1977	2020	1971	2222	2186	2257	2291
Net Weight (Lbs) - Electric Heat	1373	1763	1819	1902	1945	1868	2076	2037	2107	2108
Roof curb	BAYCURB026B					BAYCURB027B				
Unit Cabinet Size	B		C			C+				
Filters^(g) - Type Furnished										
Downflow - Number & Size Recommended	Throwaway (2) 20x20x2 (4) 20x25x2	Throwaway (4) 20x20x2 (4) 20x25x2	Throwaway (4) 20x20x2 (4) 20x25x2	Throwaway (4) 20x20x2 (4) 20x25x2	Throwaway (4) 20x20x2 (4) 20x25x2	Throwaway (4) 20x20x2 (4) 20x25x2	Throwaway (8) 20x20x2 (4) 20x16x2	Throwaway (8) 20x20x2 (4) 20x16x2	Throwaway (8) 20x20x2 (4) 20x16x2	Throwaway (8) 20x20x2 (4) 20x16x2
Horizontal - Number & Size Recommended	(2) 20x20x2 (4) 20x25x2	(8) 20x25x2	(8) 20x25x2	(8) 20x25x2	(8) 20x25x2	(8) 20x25x2	(12) 20x20x2	(12) 20x20x2	(12) 20x20x2	(12) 20x20x2

- (a) Cooling performance is rated at 80/67/95 & 400 cfm/ton.
- (b) Short orifice metering device.
- (c) EER is rated at ARI conditions and in accordance with ARI standard 210/240 or 340/360.
- (d) Integrated Energy Efficiency Ratio (IEER) is rated in accordance with AHRI standard 210/240 or 340/360.
- (e) T/YS*211 = 11.8/12.9. T/YS*301 = 10.4/12.0
- (f) Verify option availability in product data catalog.
- (g) Optional 2" MERV 8 and MERV 13 filters also available.

Table 4. Unit MCA & MOP electrical data (standard indoor fan motor)

T/Y/S*	Volts	MCA	MOP
150	208-230/3	61	80
	460/3	29	40
	575/3	22	30
	380/3	36	45
180	208-230/3	69	90
	460/3	34	45
	575/3	31	40
	380/3	45	60
210/211	208-230/3	77	100
	460/3	37	50
	575/3	34	45
	380/3	52	70
240	208-230/3	105	125
	460/3	50	70
	575/3	43	60
	380/3	60	80
300/301	208-230/3	112	150
	460/3	53	70
	575/3	45	60
	380/3	69	90

T/YH*	Volts	MCA	MOP
150	208-230/3	64	90
	460/3	30	40
	575/3	23	30
180	208-230/3	68	90
	460/3	33	45
	575/3	25	35
210	208-230/3	83	110
	460/3	41	50
	575/3	33	45
240	208-230/3	96	125
	460/3	44	60
	575/3	38	50
300	208-230/3	117	150
	460/3	54	70
	575/3	44	50

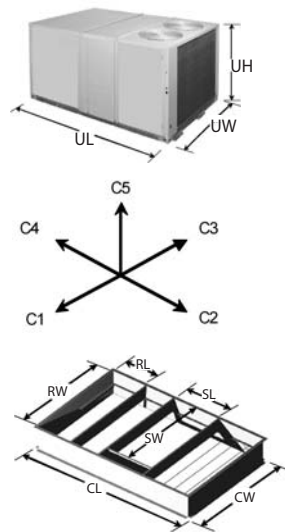
Table 5. Unit indoor fan data

T/Y/S*	Volts	Standard HP - RPM	Oversized HP - RPM
150	208-230/3	3 - 1740	5 - 3450
	460/3		
	575/3	5 - 3450	N/A
	380/3		
180	208-230/3	3 - 1740	5 - 3450
	460/3		
	575/3	5 - 3450	N/A
	380/3		
210/211	208-230/3	5 - 3450	7.5 - 3470
	460/3		
	575/3	7.5 - 3470	N/A
	380/3		
240	208-230/3	5 - 3450	7.5 - 3470
	460/3		
	575/3	7.5 - 3470	N/A
	380/3		
300/301	208-230/3	7.5 - 3470	N/A
	460/3		
	575/3	N/A	N/A
	380/3		

T/YH*	Volts	Standard HP - RPM	Oversized HP - RPM
150	208-230/3	3 - 1740	5 - 3450
	460/3		
	575/3		
180	208-230/3	3 - 1740	5 - 3450
	460/3		
	575/3		
210	208-230/3	5 - 3450	7.5 - 3470
	460/3		
	575/3		
240	208-230/3	5 - 3450	7.5 - 3470
	460/3		
	575/3		
300	208-230/3	7.5 - 3470	N/A
	460/3		
	575/3		

Table 6. Unit dimensional data

	B	C	C+
Unit Length UL	106 11/16	122 5/16	122 5/16
Unit Width UW	70 13/16	84 3/16	84 3/16
Unit Height UH	52 1/4	56 1/8	66 1/4
Clearance C1	60	60	60
Clearance C2	48	48	48
Clearance C3	36 1/8	36 1/8	36 1/8
Clearance C4	38	38	38
Clearance C5	72	72	72
Curb Length CL	102 1/2	116 7/8	116 7/8
Curb Width CW	67	81	81
Supply Length SL^(a)	28 1/2	28 9/16	28 9/16
Supply Width SW^(a)	55 1/2	69 1/2	69 1/2
Return Length RL^(a)	20 7/8	22 1/4	22 1/4
Return Width RW^(a)	63	77	77



(a) Dimensions are for curb openings and not duct inserts. Reference the product catalog for duct insert dimensions.



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