Testing Agency:							Model Number:	N/A	
	System Int	egrator:		HVAC Inc.				-	
			29 Howd				Name alata lafana attan	400 \/-!	NI/A A
			Toronto, M1R 3C				Nameplate Information: Nominal Burner Input:	120 Volts 58.5 kW	N/A Amps 199.900 Btu/hr
Date First Issued: January 11, 2014						Fuel Type:		Sas / Propane / Oil	
	Date Reissued: April 17, 2019								
	Ra	itionale:	To includ	le missing info					
					PERF	DRMANCE	RATING		
					rformance Fac	• •	0.96 2,758 kWh/y		
							rmance Ratings		
Efficien	cy Ratings						Maximum Capacity Rating	gs and Related Informat	ion
	Composite S					96 (%)	Space heating (all ratings I	,	
	Water Heating Performance Factor (Wh			tor (WHPF)	1	0.95	Capacity	94,371 Btu/hr	27.6 kW 671 L/s
	Recovery Efficiency Thermal standby loss - Circ fan off			off	see comments	96 (%) W	Airflow ESP (Return)	1,423 <i>SCFM</i> 0.2 " w.c.	6/1 L/s 50 Pa
Thermal standby loss - Circ fan on					see comments	W	ESP (Supply)	0.2 <i>w.c.</i>	50 Pa
							Return air temperature	,. <u>.</u>	22.9 °C
Space I	leating Part Lo	oad Effic	iency Rat	ings			Air temperature rise		34.1 °C
	_oad Factor	Net Et	fficiency	Average	Circulating		Entering water temperatu	re to coil	81.0 °C
	(PLF)		,	Electricity Us			Water flow rate	2.8 USGPM	10.6 L/min
@ PLF @ PLF			4 (%) 3 (%)	592 ' 584 '		454 W 453 W	DHW One-Hour Delivery R	ating (OUP)	
@ PLF			5 (%) 4 (%)	199		161 W	OHR - no call for space h	• ,	1,444 L
<u> </u>	* measured w	, ,		•••	101 11	OHR - concurrent call for	· ·	1,459 L	
Concur	rant Spaca 9 I	NUW Too	t Doculte				Additional Electrical Ration	nge	
Concurrent Space & DHW Test Results Water draws at 49 ±3°C with & without concurrent call fo				ocurrent call for I	r heat		Standby power (P(circ))	ngs	83 W
					within ±3°C tolerance		Standby power (P(cont))		15 W
(L/min) (minutes)					(minutes)				0.19 kWh
,	with	wit	hout	with	withou	t	Annual electricity use for wa		68 kWh
	heating call	heati	ng call	heating call	heating o	all			
3	0.8		0.8	indefinite	indefinit	_			
15	0.3		).3	indefinite	indefinit	е			
				Descripti	on of Major	Compone	nts of Packaged Combo	)	
Packag	ed System Co	mponent	s						
					Navien, NPE 24	<mark>0A</mark>			
Air Handler (AH) make, model:				(	iFLOW, iFL-1690P0 (Also applies to iFLH160000, iFLH16000W, iFLH16000D)				
Circulating blower motor make, model, size, type:					Genteq, 5SBA39GL, 1/2 HP, Eon ECM				
Circulator make / model and location:					Navien, integral to heat generator				
Addition	al controls exte	rnal to H	G and AH:		None				
Automa	tic means for a	djusting v	vater temp	erature while sp	ace heating (Y/N	N):	Υ		
	Related type,	nake and	d model nu	mber:	Navien 'Comfort	tAir+' kit, PN	BD 000001		
Intercon	nect piping (ler	igth, nom	ı.dia., insul	ation):	26 ft. equivalent	length. 3/4"	(nominal) PEX, R4 insulation		
Other:	, 1 .3 (.01	J ,	,			w check valves, Honeywell AM	101-US-1, set to 120°F (4	19°C) for DHW	
-							- included in 'ComfortAir+' kit	,	,
							'ComfortAir+' kit		
				,					
_	ency Commer								
	Water heater temperature set to 120°F (49°C) for DHW tests						Filter use during testing	Yes	x No
Water h	Nater heater temperature programmed to180°F (82°C) for space heating (PLF=1).						Filter rating		MERV
Pump e	xercise sequen	ce: 0.5 m	inutes eve	ery 24-hrs					
Pump exercise sequence does not initiate burner operation							Segregated DHW System	Yes	x No
Pump e	Circulating blower has a 10 second 'On' delay						Water Circulation	x Yes	No
	ing biotroi mao						Í		*
Circulati	ng blower has	a 45 seco	ond 'Off' de	elay					
Circulati Circulati	ng blower has			elay nerwise specified	i		DHW Priority	x Yes	No
Circulati Circulati All contr	ng blower has a ols set to factor age tank - thern	y default	unless oth	nerwise specified	i		DHW Priority	Yes Reference R	