

HTN/HTG-709R32				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Cooling		Y		Average (mandatory)		Y	
Heating		Y		Warmer (if designed)		Y	
				Colder (if designed)		Y	
Item	symbol	value	unit	Item	symbol	value	unit
Design load				Seasonal efficiency			
Cooling	Pdesignc	2.5	kW	Cooling	SEER	6.1	-
Heating/Average	Pdesignh	2.6	kW	Heating/Average	SCOP/A	4.0	-
Heating/Warmer	Pdesignh	2.8	kW	Heating/Warmer	SCOP/W	5.1	-
Heating/Colder	Pdesignh	-	kW	Heating/Colder	SCOP/C	-	-
Declared capacity (*) for cooling, at indoor temperature 27(19) °C and outdoor temperature Tj				Declared energy efficiency ratio (*), at indoor temperature 27(19) °C and outdoor temperature Tj			
Tj = 35 °C	Pdc	2.69	kW	Tj = 35 °C	EERd	3.30	-
Tj = 30 °C	Pdc	1.89	kW	Tj = 30 °C	EERd	4.80	-
Tj = 25 °C	Pdc	1.19	kW	Tj = 25 °C	EERd	7.85	-
Tj = 20 °C	Pdc	1.00	kW	Tj = 20 °C	EERd	11.29	-
Declared capacity (*) for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance (*)/Average season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	2.31	kW	Tj = - 7 °C	COPd	2.74	-
Tj = 2 °C	Pdh	1.41	kW	Tj = 2 °C	COPd	4.05	-
Tj = 7 °C	Pdh	0.92	kW	Tj = 7 °C	COPd	4.84	-
Tj = 12 °C	Pdh	0.87	kW	Tj = 12 °C	COPd	5.97	-
Tj = bivalent temperature	Pdh	2.12	kW	Tj = bivalent temperature	COPd	2.54	-
Tj = operating limit	Pdh	2.31	kW	Tj = operating limit	COPd	2.74	-
Declared capacity (*) for heating/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance (*)/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj = 2 °C	Pdh	2.93	kW	Tj = 2 °C	COPd	2.48	-
Tj = 7 °C	Pdh	1.83	kW	Tj = 7 °C	COPd	4.94	-
Tj = 12 °C	Pdh	0.87	kW	Tj = 12 °C	COPd	5.98	-
Tj = bivalent temperature	Pdh	2.93	kW	Tj = bivalent temperature	COPd	2.48	-
Tj = operating limit	Pdh	2.93	kW	Tj = operating limit	COPd	2.48	-
Declared capacity (*) for heating/Colder season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance (*)/Colder season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	N/A	kW	Tj = - 7 °C	COPd	N/A	-
Tj = 2 °C	Pdh	N/A	kW	Tj = 2 °C	COPd	N/A	-
Tj = 7 °C	Pdh	N/A	kW	Tj = 7 °C	COPd	N/A	-
Tj = 12 °C	Pdh	N/A	kW	Tj = 12 °C	COPd	N/A	-
Tj = bivalent temperature	Pdh	N/A	kW	Tj = bivalent temperature	COPd	N/A	-
Tj = operating limit	Pdh	N/A	kW	Tj = operating limit	COPd	N/A	-
Tj = - 15 °C	Pdh	-	kW	Tj = - 15 °C	COPd	-	-
Bivalent temperature				Operating limit temperature			
Heating/Average	Tbiv	-7	°C	Heating/Average	Toi	-10	°C
Heating/Warmer	Tbiv	2	°C	Heating/Warmer	Toi	2	°C
Heating/Colder	Tbiv	-10	°C	Heating/Colder	Toi	-20	°C
Cycling interval capacity				Cycling interval efficiency			
For Cooling	Pcycc	x,x	kW	For Cooling	EERcyc	x,x	-
For Heating	Pcyh	x,x	kW	For Heating	COPcyc	x,x	-
Degradation co-efficient cooling (**)	Cdc	x,x	-	Degradation co-efficient cooling (**)	Cdh	x,x	-
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
Off Mode	P _{OFF}	0.00427	kW	Cooling	Q _{Ce}	143	kWh/a
Standby Mode	P _{SB}	0.00427	kW	Heating/Average	Q _{HE}	910	kWh/a
Thermostat-Off Mode	P _{TO}	0.00483/ 0.00912	kW	Heating/Warmer	Q _{HE}	769	kWh/a
Crankcase Heater Mode	P _{CK}	0	kW	Heating/Colder	Q _{HE}	-	kWh/a
Capacity control (indicate one of three options)				Other items			
Fixed	N			Sound power level (indoor/outdoor)	L _{WA}	(55/61)	dB(A)
Staged	N			Global warming potential	GWP	675	kgCO ₂ e q.
Variable	Y			Rated air flow (indoor/outdoor)	-	(560/2200)	m ³ /h
Contact details for obtaining more information	TOYOTOMI CO., LTD. 5-17, MOMOZONO-CHO MIZUHO-KU, NAGOYA, 467-0855 JAPAN						
(*)For staged capacity units, two values divided by a slash ('/') will be declared in each box in the section 'Declared capacity of the unit' and 'declared EER/COP' of the unit.							
(**)If default Cd = 0,25 is chosen then (results from) cycling tests are not required. Otherwise either the heating or cooling cycling test value is required.							

HTN/HTG-712R32				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Cooling		Y		Average (mandatory)		Y	
Heating		Y		Warmer (if designed)		Y	
				Colder (if designed)		Y	
Item	symbol	value	unit	Item	symbol	value	unit
Design load				Seasonal efficiency			
Cooling	Pdesignc	3.2	kW	Cooling	SEER	6.1	-
Heating/Average	Pdesignh	3.2	kW	Heating/Average	SCOP/A	4.0	-
Heating/Warmer	Pdesignh	3.4	kW	Heating/Warmer	SCOP/W	5.1	-
Heating/Colder	Pdesignh	-	kW	Heating/Colder	SCOP/C	-	-
Declared capacity (*) for cooling, at indoor temperature 27(19) °C and outdoor temperature Tj				Declared energy efficiency ratio (*), at indoor temperature 27(19) °C and outdoor temperature Tj			
Tj = 35 °C	Pdc	3.22	kW	Tj = 35 °C	EERd	3.36	-
Tj = 30 °C	Pdc	2.37	kW	Tj = 30 °C	EERd	4.82	-
Tj = 25 °C	Pdc	1.51	kW	Tj = 25 °C	EERd	7.49	-
Tj = 20 °C	Pdc	1.03	kW	Tj = 20 °C	EERd	10.25	-
Declared capacity (*) for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance (*)/Average season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	2.92	kW	Tj = - 7 °C	COPd	2.61	-
Tj = 2 °C	Pdh	1.75	kW	Tj = 2 °C	COPd	4.04	-
Tj = 7 °C	Pdh	1.12	kW	Tj = 7 °C	COPd	5.09	-
Tj = 12 °C	Pdh	1.31	kW	Tj = 12 °C	COPd	6.37	-
Tj = bivalent temperature	Pdh	2.71	kW	Tj = bivalent temperature	COPd	2.45	-
Tj = operating limit	Pdh	2.92	kW	Tj = operating limit	COPd	2.61	-
Declared capacity (*) for heating/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance (*)/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj = 2 °C	Pdh	3.46	kW	Tj = 2 °C	COPd	3.32	-
Tj = 7 °C	Pdh	2.19	kW	Tj = 7 °C	COPd	4.75	-
Tj = 12 °C	Pdh	1.31	kW	Tj = 12 °C	COPd	6.37	-
Tj = bivalent temperature	Pdh	3.46	kW	Tj = bivalent temperature	COPd	3.32	-
Tj = operating limit	Pdh	3.46	kW	Tj = operating limit	COPd	3.32	-
Declared capacity (*) for heating/Colder season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance (*)/Colder season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	N/A	kW	Tj = - 7 °C	COPd	N/A	-
Tj = 2 °C	Pdh	N/A	kW	Tj = 2 °C	COPd	N/A	-
Tj = 7 °C	Pdh	N/A	kW	Tj = 7 °C	COPd	N/A	-
Tj = 12 °C	Pdh	N/A	kW	Tj = 12 °C	COPd	N/A	-
Tj = bivalent temperature	Pdh	N/A	kW	Tj = bivalent temperature	COPd	N/A	-
Tj = operating limit	Pdh	N/A	kW	Tj = operating limit	COPd	N/A	-
Tj = - 15 °C	Pdh	-	kW	Tj = - 15 °C	COPd	-	-
Bivalent temperature				Operating limit temperature			
Heating/Average	Tbiv	-7	°C	Heating/Average	Toi	-10	°C
Heating/Warmer	Tbiv	2	°C	Heating/Warmer	Toi	2	°C
Heating/Colder	Tbiv	-10	°C	Heating/Colder	Toi	-20	°C
Cycling interval capacity				Cycling interval efficiency			
For Cooling	Pcycc	x,x	kW	For Cooling	EERcyc	x,x	-
For Heating	Pcyh	x,x	kW	For Heating	COPcyc	x,x	-
Degradation co-efficient cooling (**)	Cdc	x,x	-	Degradation co-efficient cooling (**)	Cdh	x,x	-
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
Off Mode	P _{OFF}	0.004116	kW	Cooling	Q _{Ce}	184	kWh/a
Standby Mode	P _{SB}	0.004116	kW	Heating/Average	Q _{HE}	1120	kWh/a
Thermostat-Off Mode	P _{TO}	0.002065 / 0.00679	kW	Heating/Warmer	Q _{HE}	933	kWh/a
Crankcase Heater Mode	P _{CK}	0	kW	Heating/Colder	Q _{HE}	-	kWh/a
Capacity control (indicate one of three options)				Other items			
Fixed	N			Sound power level (indoor/outdoor)	L _{WA}	(55/62)	dB(A)
Staged	N			Global warming potential	GWP	675	kgCO ₂ e q.
Variable	Y			Rated air flow (indoor/outdoor)	-	(560/2200)	m ³ /h
Contact details for obtaining more information	TOYOTOMI CO., LTD. 5-17, MOMOZONO-CHO MIZUHO-KU, NAGOYA, 467-0855 JAPAN						
(*)For staged capacity units, two values divided by a slash ('/') will be declared in each box in the section 'Declared capacity of the unit' and 'declared EER/COP' of the unit.							
(**)If default Cd = 0,25 is chosen then (results from) cycling tests are not required. Otherwise either the heating or cooling cycling test value is required.							

HTN/HTG-717R32				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Cooling		Y		Average (mandatory)		Y	
Heating		Y		Warmer (if designed)		Y	
				Colder (if designed)		Y	
Item	symbol	value	unit	Item	symbol	value	unit
Design load				Seasonal efficiency			
Cooling	Pdesignc	4.6	kW	Cooling	SEER	6.1	-
Heating/Average	Pdesignh	3.6	kW	Heating/Average	SCOP/A	4.0	-
Heating/Warmer	Pdesignh	3.6	kW	Heating/Warmer	SCOP/W	5.1	-
Heating/Colder	Pdesignh	-	kW	Heating/Colder	SCOP/C	-	-
Declared capacity (*) for cooling, at indoor temperature 27(19) °C and outdoor temperature Tj				Declared energy efficiency ratio (*), at indoor temperature 27(19) °C and outdoor temperature Tj			
Tj = 35 °C	Pdc	4.65	kW	Tj = 35 °C	EERd	3.18	-
Tj = 30 °C	Pdc	3.45	kW	Tj = 30 °C	EERd	4.73	-
Tj = 25 °C	Pdc	2.17	kW	Tj = 25 °C	EERd	7.12	-
Tj = 20 °C	Pdc	0.98	kW	Tj = 20 °C	EERd	9.36	-
Declared capacity (*) for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance (*)/Average season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	3.19	kW	Tj = - 7 °C	COPd	2.89	-
Tj = 2 °C	Pdh	2.02	kW	Tj = 2 °C	COPd	3.98	-
Tj = 7 °C	Pdh	1.30	kW	Tj = 7 °C	COPd	4.92	-
Tj = 12 °C	Pdh	1.12	kW	Tj = 12 °C	COPd	5.54	-
Tj = bivalent temperature	Pdh	2.88	kW	Tj = bivalent temperature	COPd	2.72	-
Tj = operating limit	Pdh	3.19	kW	Tj = operating limit	COPd	2.89	-
Declared capacity (*) for heating/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance (*)/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj = 2 °C	Pdh	3.99	kW	Tj = 2 °C	COPd	3.03	-
Tj = 7 °C	Pdh	2.32	kW	Tj = 7 °C	COPd	5.18	-
Tj = 12 °C	Pdh	1.12	kW	Tj = 12 °C	COPd	5.54	-
Tj = bivalent temperature	Pdh	3.99	kW	Tj = bivalent temperature	COPd	3.03	-
Tj = operating limit	Pdh	3.99	kW	Tj = operating limit	COPd	3.03	-
Declared capacity (*) for heating/Colder season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance (*)/Colder season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	N/A	kW	Tj = - 7 °C	COPd	N/A	-
Tj = 2 °C	Pdh	N/A	kW	Tj = 2 °C	COPd	N/A	-
Tj = 7 °C	Pdh	N/A	kW	Tj = 7 °C	COPd	N/A	-
Tj = 12 °C	Pdh	N/A	kW	Tj = 12 °C	COPd	N/A	-
Tj = bivalent temperature	Pdh	N/A	kW	Tj = bivalent temperature	COPd	N/A	-
Tj = operating limit	Pdh	N/A	kW	Tj = operating limit	COPd	N/A	-
Tj = - 15 °C	Pdh	-	kW	Tj = - 15 °C	COPd	-	-
Bivalent temperature				Operating limit temperature			
Heating/Average	Tbiv	-7	°C	Heating/Average	Toi	-10	°C
Heating/Warmer	Tbiv	2	°C	Heating/Warmer	Toi	2	°C
Heating/Colder	Tbiv	-10	°C	Heating/Colder	Toi	-20	°C
Cycling interval capacity				Cycling interval efficiency			
For Cooling	Pcycc	x,x	kW	For Cooling	EERcyc	x,x	-
For Heating	Pcyh	x,x	kW	For Heating	COPcyc	x,x	-
Degradation co-efficient cooling (**)	Cdc	x,x	-	Degradation co-efficient cooling (**)	Cdh	x,x	-
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
Off Mode	P _{OFF}	0.00181	kW	Cooling	Q _{Ce}	264	kWh/a
Standby Mode	P _{SB}	0.00181	kW	Heating/Average	Q _{HE}	1260	kWh/a
Thermostat-Off Mode	P _{TO}	0.0089	kW	Heating/Warmer	Q _{HE}	988	kWh/a
Crankcase Heater Mode	P _{CK}	0	kW	Heating/Colder	Q _{HE}	-	kWh/a
Capacity control (indicate one of three options)				Other items			
Fixed	N			Sound power level (indoor/outdoor)	L _{WA}	(58/63)	dB(A)
Staged	N			Global warming potential	GWP	675	kgCO ₂ e q.
Variable	Y			Rated air flow (indoor/outdoor)	-	(850/2200)	m ³ /h
Contact details for obtaining more information	TOYOTOMI CO., LTD. 5-17, MOMOZONO-CHO MIZUHO-KU, NAGOYA, 467-0855 JAPAN						
(*)For staged capacity units, two values divided by a slash (/) will be declared in each box in the section 'Declared capacity of the unit' and 'declared EER/COP' of the unit.							
(**)If default Cd = 0,25 is chosen then (results from) cycling tests are not required. Otherwise either the heating or cooling cycling test value is required.							

HTN/HTG-721R32				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Cooling		Y		Average (mandatory)		Y	
Heating		Y		Warmer (if designed)		Y	
				Colder (if designed)		Y	
Item	symbol	value	unit	Item	symbol	value	unit
Design load				Seasonal efficiency			
Cooling	Pdesignc	6.1	kW	Cooling	SEER	6.1	-
Heating/Average	Pdesignh	4.7	kW	Heating/Average	SCOP/A	4.0	-
Heating/Warmer	Pdesignh	4.7	kW	Heating/Warmer	SCOP/W	5.1	-
Heating/Colder	Pdesignh	-	kW	Heating/Colder	SCOP/C	-	-
Declared capacity (*) for cooling, at indoor temperature 27(19) °C and outdoor temperature Tj				Declared energy efficiency ratio (*), at indoor temperature 27(19) °C and outdoor temperature Tj			
Tj = 35 °C	Pdc	6.11	kW	Tj = 35 °C	EERd	3.27	-
Tj = 30 °C	Pdc	4.56	kW	Tj = 30 °C	EERd	4.81	-
Tj = 25 °C	Pdc	2.89	kW	Tj = 25 °C	EERd	6.65	-
Tj = 20 °C	Pdc	1.47	kW	Tj = 20 °C	EERd	10.50	-
Declared capacity (*) for heating/Average season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance (*)/Average season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	4.34	kW	Tj = - 7 °C	COPd	2.39	-
Tj = 2 °C	Pdh	2.53	kW	Tj = 2 °C	COPd	4.34	-
Tj = 7 °C	Pdh	1.63	kW	Tj = 7 °C	COPd	4.63	-
Tj = 12 °C	Pdh	1.42	kW	Tj = 12 °C	COPd	5.72	-
Tj = bivalent temperature	Pdh	4.02	kW	Tj = bivalent temperature	COPd	2.25	-
Tj = operating limit	Pdh	4.34	kW	Tj = operating limit	COPd	2.39	-
Declared capacity (*) for heating/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance (*)/Warmer season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj = 2 °C	Pdh	4.70	kW	Tj = 2 °C	COPd	3.19	-
Tj = 7 °C	Pdh	3.02	kW	Tj = 7 °C	COPd	4.85	-
Tj = 12 °C	Pdh	1.42	kW	Tj = 12 °C	COPd	5.72	-
Tj = bivalent temperature	Pdh	4.70	kW	Tj = bivalent temperature	COPd	3.19	-
Tj = operating limit	Pdh	4.70	kW	Tj = operating limit	COPd	3.19	-
Declared capacity (*) for heating/Colder season, at indoor temperature 20 °C and outdoor temperature Tj				Declared coefficient of performance (*)/Colder season, at indoor temperature 20 °C and outdoor temperature Tj			
Tj = - 7 °C	Pdh	N/A	kW	Tj = - 7 °C	COPd	N/A	-
Tj = 2 °C	Pdh	N/A	kW	Tj = 2 °C	COPd	N/A	-
Tj = 7 °C	Pdh	N/A	kW	Tj = 7 °C	COPd	N/A	-
Tj = 12 °C	Pdh	N/A	kW	Tj = 12 °C	COPd	N/A	-
Tj = bivalent temperature	Pdh	N/A	kW	Tj = bivalent temperature	COPd	N/A	-
Tj = operating limit	Pdh	N/A	kW	Tj = operating limit	COPd	N/A	-
Tj = - 15 °C	Pdh	-	kW	Tj = - 15 °C	COPd	-	-
Bivalent temperature				Operating limit temperature			
Heating/Average	Tbiv	-7	°C	Heating/Average	Toi	-10	°C
Heating/Warmer	Tbiv	2	°C	Heating/Warmer	Toi	2	°C
Heating/Colder	Tbiv	-10	°C	Heating/Colder	Toi	-20	°C
Cycling interval capacity				Cycling interval efficiency			
For Cooling	Pcycc	x,x	kW	For Cooling	EERcyc	x,x	-
For Heating	Pcyh	x,x	kW	For Heating	COPcyc	x,x	-
Degradation co-efficient cooling (**)	Cdc	x,x	-	Degradation co-efficient cooling (**)	Cdh	x,x	-
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
Off Mode	P _{OFF}	0.00388	kW	Cooling	Q _{Ce}	350	kWh/a
Standby Mode	P _{SB}	0.00388	kW	Heating/Average	Q _{HE}	1645	kWh/a
Thermostat-Off Mode	P _{TO}	0.001332	kW	Heating/Warmer	Q _{HE}	1290	kWh/a
Crankcase Heater Mode	P _{CK}	0	kW	Heating/Colder	Q _{HE}	-	kWh/a
Capacity control (indicate one of three options)				Other items			
Fixed	N			Sound power level (indoor/outdoor)	L _{WA}	(59/67)	dB(A)
Staged	N			Global warming potential	GWP	675	kgCO ₂ e q.
Variable	Y			Rated air flow (indoor/outdoor)	-	(850/3200)	m ³ /h
Contact details for obtaining more information	TOYOTOMI CO., LTD. 5-17, MOMOZONO-CHO MIZUHO-KU, NAGOYA, 467-0855 JAPAN						
(*)For staged capacity units, two values divided by a slash (/) will be declared in each box in the section 'Declared capacity of the unit' and 'declared EER/COP' of the unit.							
(**)If default Cd = 0,25 is chosen then (results from) cycling tests are not required. Otherwise either the heating or cooling cycling test value is required.							