



Enhancing everyday living



# ENGINEERING SUBMITTAL DATA SHEET

Commercial electric water heaters, Flexible

**105 MODELS (Light & Medium Duty)**

40 imperial gallons / 184 litres

Insulated with 2" Eco-Friendly **GREENFOAM**

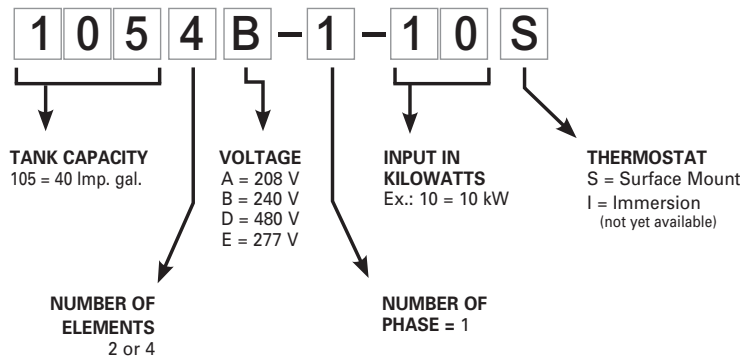
**208, 240, 277 & 480 Volts / Single phase**

These models meet the safety and construction requirements of CSA Standard C22.2 No. 110 and meet or exceed the standby loss requirements of NRCan and ASHRAE 90.1 Standard.

Models*	Input	Amperage				Phase	Number of elements
	(kW)	208 Volts	240 Volts	277 Volts	480 Volts		
Light & Medium Duty with 2 or 4 elements							
1052Y-1-3S	3	14.4	12.5	10.8	6.3	1	2
1052Y-1-4.5S	4.5	21.6	18.8	16.2	9.4		
1052Y-1-5S	5	24.0	20.8	18.1	10.4		
1052Y-1-6S	6	—	25.0	21.7	12.5		
1054Y-1-6S	6	28.8	25.0	21.7	12.5		4
1054Y-1-9S	9	43.3	37.5	32.5	18.8		
1054Y-1-10S	10	48.1	41.7	36.1	20.8		
1054Y-1-12S	12	—	50.0	43.3	25.0		

\* Replace the "Y" by the letter referring to its voltage (refer to the following "Voltage index" as well as the "Model Number Structure" for further details).

## Model Number Structure



## Voltage index

A	208 Volts
B	240 Volts
D	480 Volts
E	277 Volts

Notes: \_\_\_\_\_

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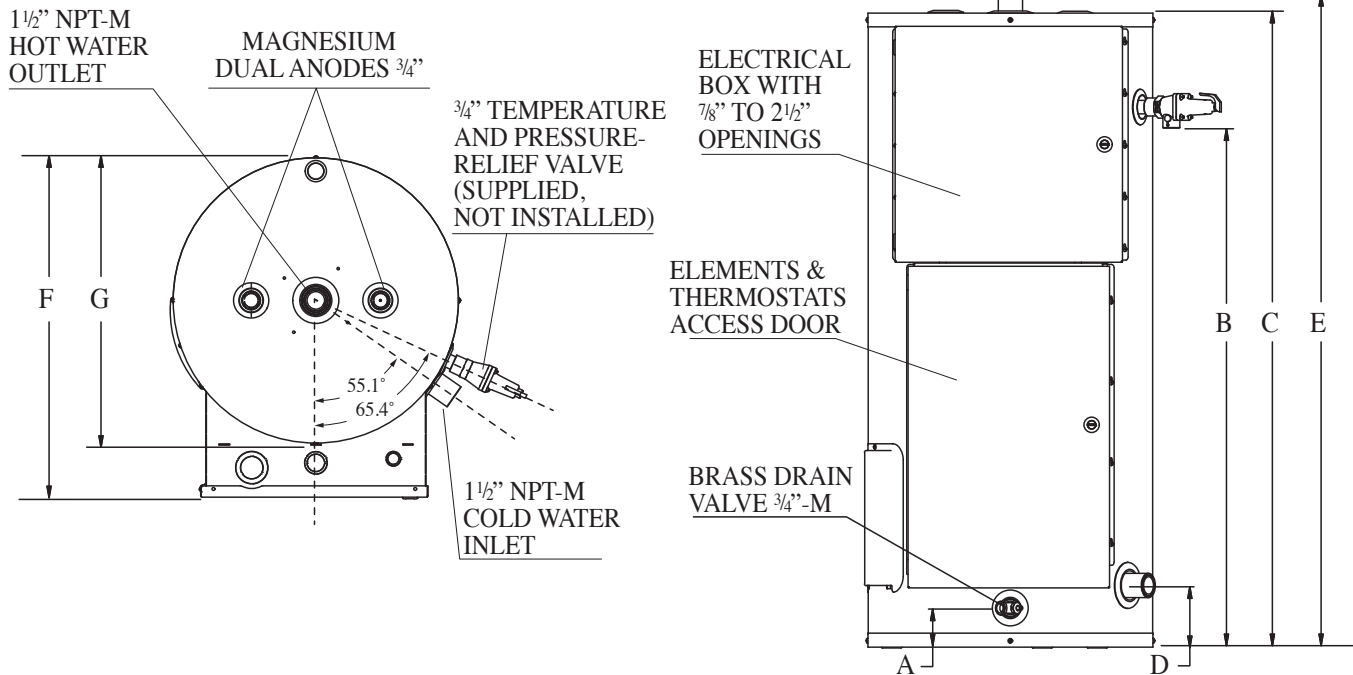
See reverse for this model drawing as well as order details.

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In accordance with our company policy of on-going product improvement, Giant Factories Inc. reserves the right to make changes without prior notice.



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Models	Storage Capacity			A Inches (cm)	B Inches (cm)	C Inches (cm)	D Inches (cm)	E Inches (cm)	F Inches (cm)	G Inches (cm)	Est. Ship. Weight	
	Imp. gal.	Litres	U.S. gal.								lb.	kg
All 105	40	184	49	3 1/8 (7.9)	40 3/16 (102.1)	49 1/8 (124.8)	4 7/8 (12.4)	50 3/4 (129)	26 1/4 (66.7)	22 (55.9)	230	104

Notes: \_\_\_\_\_

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\_\_\_\_\_

JOB TITLE \_\_\_\_\_

ADDRESS \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

ADDRESS \_\_\_\_\_

ENGINEER \_\_\_\_\_

SUBMITTED DATE \_\_\_\_\_

REQUIRED PRODUCT \_\_\_\_\_

MODEL NO. \_\_\_\_\_ SIZE \_\_\_\_\_ QUANTITY \_\_\_\_\_

MODEL NO. \_\_\_\_\_ SIZE \_\_\_\_\_ QUANTITY \_\_\_\_\_

MODEL NO. \_\_\_\_\_ SIZE \_\_\_\_\_ QUANTITY \_\_\_\_\_

MODEL NO. \_\_\_\_\_ SIZE \_\_\_\_\_ QUANTITY \_\_\_\_\_

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# ENGINEERING SUBMITTAL DATA SHEET

Commercial electric water heaters, Flexible

**105 MODELS (Heavy Duty)**

40 imperial gallons / 184 litres

Insulated with 2" Eco-Friendly **GREENFOAM**

**208, 240, 277 & 480 Volts**

These models meet the safety and construction requirements of CSA Standard C22.2 No. 110 and meet or exceed the standby loss requirements of NRCan and ASHRAE 90.1 Standard.

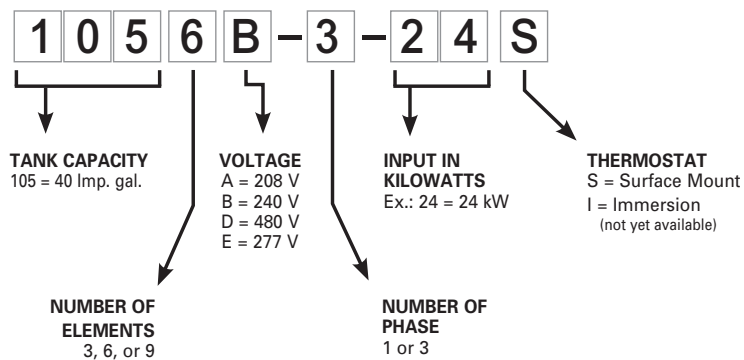
Models*	Input	Amperage				Phase(s)	Number of elements
	(kW)	208 Volts	240 Volts	277 Volts	480 Volts		
Heavy Duty with 3, 6, or 9 elements							
1053Y-1-6S	6	28.8	25.0	21.7	12.5	1	3
1053Y-3-6S		16.7	14.5	—	7.2	3	
1053Y-1-9S	9	43.3	37.5	32.5	18.8	1	
1053Y-3-9S		25.0	21.7	—	10.8	3	
1053Y-1-12S	12	57.7	50.0	43.3	25.0	1	
1053Y-3-12S		33.3	28.9	—	14.4	3	
1053Y-1-13.5S	13.5	64.9	56.3	48.7	28.1	1	
1053Y-3-13.5S		37.5	32.5	—	16.2	3	
1053Y-1-15S	15	72.1	62.5	54.2	31.3	1	
1053Y-3-15S		41.6	36.1	—	18.0	3	
105XY-1-18S	18	86.5†	75.0	65.0	37.5	1	3 or 6
105XY-3-18S		50.0†	43.3	—	21.7	3	
1056Y-1-24S	24	115.4	100.0	86.6	50.0	1	6
1056Y-3-24S		66.6	57.7	—	28.9	3	
1056Y-1-27S	27	129.8	112.5	97.5	56.3	1	
1056Y-3-27S		74.9	65.0	—	32.5	3	
1056Y-1-30S	30	144.2	125.0	108.3	62.5	1	
1056Y-3-30S		83.3	72.2	—	36.1	3	
105XY-1-36S	36	173.1††	150.0	130.0	75.0	1	6 or 9
105XY-3-36S		99.9††	86.6	—	43.3	3	
1059Y-1-40.5S	40.5	194.7	168.8	146.2	84.4	1	9
1059Y-3-40.5S		112.4	97.4	—	48.7	3	
1059Y-1-45S	45	216.3	187.5	162.5	93.8	1	
1059Y-3-45S		124.9	108.3	—	54.1	3	
1059Y-1-54S	54	—	255.0	194.9	112.5	1	
1059Y-3-54S		—	129.9	—	65.0	3	

\* Replace the "X" in the model number by the element quantity shown in the "Number of elements" column as well as the "Y" by the letter referring to its voltage (refer to the following "Voltage index" as well as the "Model Number Structure" for further details).

† For 208 V Models with a 18 kW input, only the 6-element configuration is possible.

†† For 208 V Models with a 36kW input, only the 9-element configuration is possible.

## Model Number Structure



## Voltage index

A	208 Volts
B	240 Volts
D	480 Volts
E	277 Volts

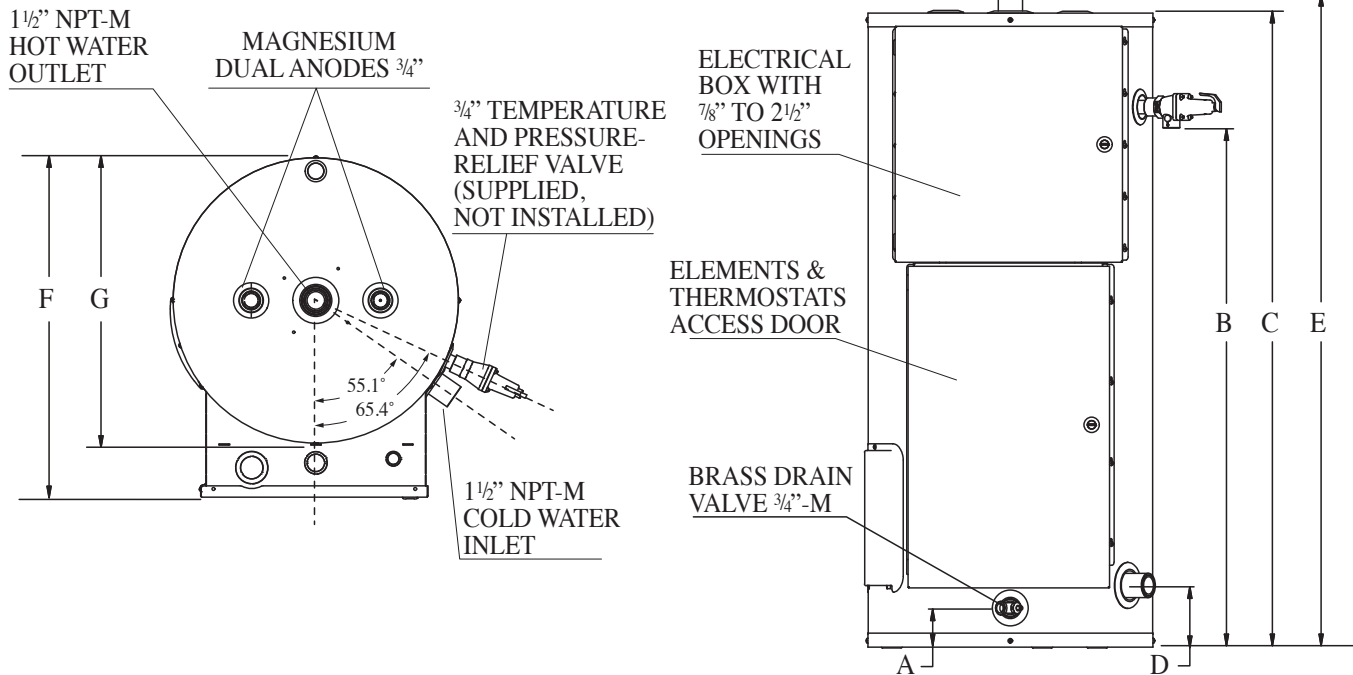
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Models	Storage Capacity			A	B	C	D	E	F	G	Est. Ship. Weight	
	Imp. gal.	Litres	U.S. gal.	Inches (cm)	Inches (cm)	Inches (cm)	Inches (cm)	Inches (cm)	Inches (cm)	Inches (cm)	lb.	kg
All 105	40	184	49	3 1/8 (7.9)	40 3/16 (102.1)	49 1/8 (124.8)	4 7/8 (12.4)	50 3/4 (129)	26 1/4 (66.7)	22 (55.9)	230	104

Notes: \_\_\_\_\_

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ENGINEER \_\_\_\_\_

SUBMITTED DATE \_\_\_\_\_

REQUIRED PRODUCT \_\_\_\_\_

MODEL NO. \_\_\_\_\_ SIZE \_\_\_\_\_ QUANTITY \_\_\_\_\_

MODEL NO. \_\_\_\_\_ SIZE \_\_\_\_\_ QUANTITY \_\_\_\_\_

MODEL NO. \_\_\_\_\_ SIZE \_\_\_\_\_ QUANTITY \_\_\_\_\_

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**105 MODELS (Heavy Duty)**

40 Imp. gallons / 184 litres

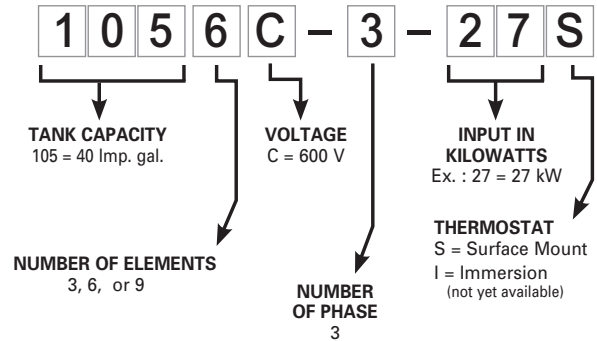
Insulated with 2" Eco-Friendly **GREENFOAM™**

**600 Volts / Three phases  
with 3, 6 or 9 elements**

These models meet the safety and construction requirements of CSA Standard C22.2 No. 110 and meet or exceed the standby loss requirements of NRCan and ASHRAE 90.1 Standard.

Models	Input (kW)	Number of elements	Amperage
1053C-3-6S	6	3	5.8
1053C-3-9S	9		8.7
1053C-3-12S	12		11.5
1053C-3-13.5S	13.5		13.0
1053C-3-15S	15		14.4
1053C-3-18S	18		17.3
1056C-3-18S	18	6	17.3
1056C-3-24S	24		23.1
1056C-3-27S	27		26.0
1056C-3-30S	30		28.9
1056C-3-36S	36		34.6
1059C-3-36S	36	9	34.6
1059C-3-40.5S	40.5		39.0
1059C-3-45S	45		43.3
1059C-3-54S	54		52.0

## Model Number Structure



## Voltage Index

C	600 Volts
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Notes: \_\_\_\_\_

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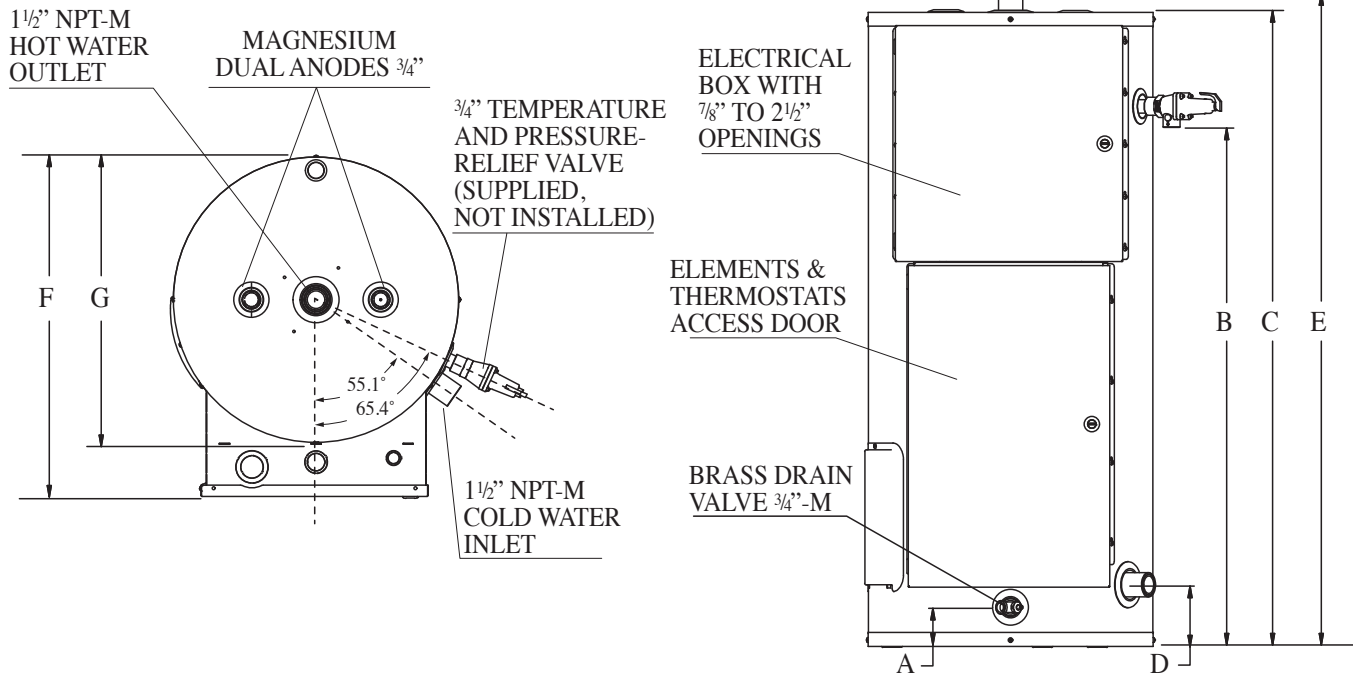
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ENGINEER \_\_\_\_\_

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REQUIRED PRODUCT

MODEL NO. _____	SIZE _____	QUANTITY _____
MODEL NO. _____	SIZE _____	QUANTITY _____
MODEL NO. _____	SIZE _____	QUANTITY _____
MODEL NO. _____	SIZE _____	QUANTITY _____

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