



ENERGY STAR® QUALIFIED

Power Direct Vent Gas Water Heaters

The Power Direct Vent (PDV) features a sealed combustion chamber, low-profile design and state-of-the-art gas control for highly accurate and reliable temperature control. Perfect for both residential new home construction and replacement water heater applications, the Power Direct Vent will provide the ultimate solution for your hot water needs.

SAVE MONEY ON ENERGY COSTS

- All models meet ENERGY STAR® requirements
- Exceeds energy efficiency standards
- No heated indoor air used for combustion
- Factory installed heat trap nipples

DESIGNED FOR PERFORMANCE

- Exclusive TankSaver® design to prolong tank life
- Compact design makes it great for tight space installations

KEEPING YOU SAFE

- Sealed combustion chamber design prevents accidental ignition of flammable vapours

EASY TO INSTALL AND REPAIR

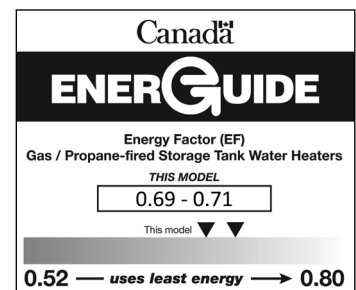
- Low-profile design is ideal for replacement applications
- Conveniently located T&P, drain valve, junction box and anode

FLEXIBLE VENTING CONFIGURATIONS

- 40,000 and 45,000 BTU models can be vented with ULC S636 PVC, CPVC or polypropylene up to 50 equivalent feet with 2" pipe, up to 125 equivalent feet with 3" pipe and up to 180 equivalent feet with 4" pipe, horizontally through the wall or vertically through the roof (see installation manual for full details)
- 62,000 and 72,000 BTU high input models can be vented up to 50 equivalent feet with 3" pipe and up to 125 equivalent feet with 4" pipe (see installation manual for full details)
- Can be installed using a concentric vent kit (see reverse or installation manual for full details)
- Auto-reset temperature switch monitors vent temperature

LIMITED TANK AND PARTS WARRANTY

- Consult written warranty on the back of this sheet, with documentation included with water heater or contact GSW for complete warranty information





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PERFORMANCE

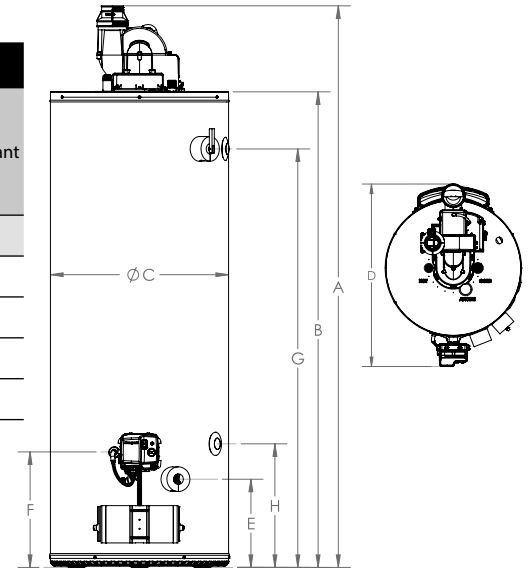
Tank Warranty**	Model	Capacity	Maximum Certified Altitude	Input	Recovery Rate at 90°F Temperature Rise	First Hour Rating	Energy Factor	BC Compliant
NATURAL GAS								
6	G640S40N-PDV-ES2	40 (151)	10,100 (3,077)	40,000	45 (170)	71 (269)	0.71	✓
6	G650T45N-PDV-ES2	50 (189)	10,100 (3,077)	45,000	50 (189)	93 (352)	0.70	✓
6	G650T62N-PDV-ES2*	50 (189)	10,100 (3,077)	62,000	73 (276)	115 (435)	0.71	✓
6	G675T72N-PDV-ES2	75 (284)	10,100 (3,077)	72,000	82 (310)	154 (583)	0.69	✓

For propane models sub N for P.

* 58,000 BTU/h for propane model.

**In residential applications. Reduced warranty in commercial applications. Parts warranted for 1 year.

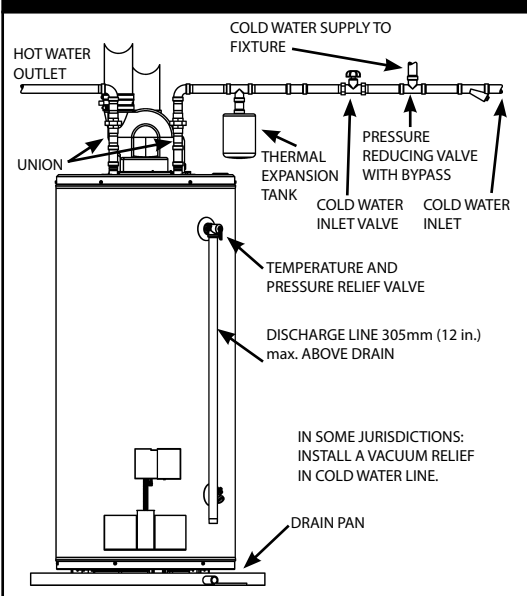
Side connections standard on 62,000 and 72,000 BTU high input models.



DIMENSIONS & SHIPPING WEIGHT

Model	Installation Height	Height to Top of Tank	Tank Diameter	Overall Depth	Height to Drain Valve	Height to Gas Inlet	Height to T&P	Height to Upper Side Connection	Height to Lower Side Connection	Vent Diameter	Shipping Weight
	A IN (CM)	B IN (CM)	C IN (CM)	D IN (CM)	E IN (CM)	F IN (CM)	G IN (CM)	G IN (CM)	H IN (CM)	IN	LBS (KG)
NATURAL GAS											
G640S40N-PDV-ES2	58 ¼ (148)	49 ½ (126)	22 (56)	29 ⅞ (76)	11 (28)	13 ¼ (34)	42 ½ (108)	N/A	N/A	2, 3 or 4	174 (79)
G650T45N-PDV-ES2	67 ½ (171)	58 ⅞ (150)	22 (56)	29 ⅞ (76)	11 (28)	13 ¼ (34)	51 ¾ (131)	N/A	N/A	2, 3 or 4	192 (87)
G650T62N-PDV-ES2	68 ⅞ (175)	60 ¼ (153)	22 (56)	29 ⅞ (76)	11 (28)	13 ¼ (34)	52 ¾ (134)	52 ¾ (134)	15 ¼ (39)	3 or 4	200 (91)
G675T72N-PDV-ES2	70 ⅞ (179)	60 ½ (154)	26 (66)	33 ⅞ (86)	11 (28)	13 ¼ (34)	53 (135)	53 (135)	15 ¼ (39)	3 or 4	277 (126)

PREFERRED INSTALLATION



VENT PIPE LENGTHS

Model	Vent Pipe Diameter IN	Minimum Number of Elbows Required*	Minimum Vent Length with One Elbow FT (M)		Maximum Equivalent Vent Length FT (M)	
			Concentric	2 Pipe	Concentric	2 Pipe
G640S40N-PDV-ES2	2	1	7 (2)	7 (2)	50 (15)	50 (15)
	3	1	7 (2)	7 (2)	125 (38)	125 (38)
	4	1	N/A	125 (38)	N/A	180 (55)
G650T45N-PDV-ES2	2	1	7 (2)	7 (2)	50 (15)	50 (15)
	3	1	7 (2)	7 (2)	125 (38)	125 (38)
	4	1	N/A	125 (38)	N/A	180 (55)
G650T62N-PDV-ES2	3	1	7 (2)	7 (2)	30 (9)	50 (15)
	4	1	N/A	50 (15)	N/A	125 (38)
G675T72N-PDV-ES2	3	1	7 (2)	7 (2)	30 (9)	50 (15)
	4	1	N/A	50 (15)	N/A	125 (38)

* Refer to installation manual for further details.

OPTIONAL KITS

Description	Part Number
2" Vent Kit - Coupling, termination elbows, sound suppressor	330828-000
3" Vent Kit - Coupling, termination elbows, sound suppressor	330851-000
2" Concentric Vent Kit	9008586005
3" Concentric Vent Kit	9006328005
Hi Ambient Kit	9009024015