

DOMESTIC WATER INLET-OUTLET °F (°C)	BOILER WATER INLET TEMP °F (°C)	SINGLE-WALL MODEL	DOMESTIC WATER SIDE		BOILER WATER SIDE		
			FLOW GPM (LPM)	TOTAL PRESSURE DROP PSIG (kPa)	FLOW GPM (LPM)	OUTLET TEMP °F (°C)	TOTAL PRESSURE DROP PSIG (kPa)
<b>40-110 (4-43)</b>	<b>115 (46)</b>	SP23	9 (34)	1 (7)	25 (95)	90 (32)	7 (46)
		SP33	13 (50)	1 (9)	37 (140)	90 (32)	9 (62)
		SP45	18 (69)	1 (6)	51 (193)	90 (32)	9 (65)
		SP69	28 (104)	1 (8)	75 (284)	89 (32)	15 (101)
		SP150	40 (151)	1 (8)	85 (322)	82 (28)	14 (99)
	<b>120 (49)</b>	SP23	12 (46)	2 (12)	26 (98)	87 (31)	7 (50)
		SP33	17 (65)	2 (15)	37 (140)	87 (31)	9 (62)
		SP45	25 (93)	2 (11)	51 (193)	86 (30)	10 (66)
		SP69	37 (141)	2 (13)	75 (284)	85 (29)	15 (101)
		SP150	52 (197)	2 (13)	85 (322)	77 (25)	14 (99)
	<b>130 (54)</b>	SP23	17 (65)	3 (23)	26 (98)	83 (28)	7 (50)
		SP33	25 (95)	4 (29)	37 (140)	82 (28)	9 (62)
		SP45	35 (131)	3 (21)	51 (193)	82 (28)	9 (65)
		SP69	52 (197)	4 (25)	75 (284)	81 (27)	15 (101)
		SP150	72 (273)	3 (23)	86 (326)	71 (21)	15 (101)
	<b>140 (60)</b>	SP23	22 (82)	5 (35)	26 (98)	81 (27)	7 (49)
SP33		31 (119)	6 (43)	37 (140)	80 (27)	9 (62)	
SP45		44 (167)	5 (33)	51 (193)	79 (26)	9 (65)	
SP69		66 (249)	6 (39)	75 (284)	78 (26)	15 (100)	
SP150		90 (341)	5 (35)	90 (341)	69 (20)	16 (110)	
<b>150 (66)</b>	SP23	26 (97)	7 (47)	26 (98)	79 (26)	7 (49)	
	SP33	37 (140)	8 (57)	38 (144)	80 (27)	9 (64)	
	SP45	50 (189)	6 (42)	51 (193)	80 (27)	9 (64)	
	SP69	73 (276)	7 (47)	75 (284)	80 (27)	14 (100)	
	SP150	90 (341)	5 (35)	90 (341)	79 (26)	16 (110)	
<b>160 (71)</b>	SP23	26 (97)	7 (47)	26 (98)	90 (32)	7 (48)	
	SP33	37 (140)	8 (57)	38 (144)	90 (32)	9 (65)	
	SP45	49 (185)	6 (40)	51 (193)	91 (33)	9 (64)	
	SP69	73 (276)	7 (47)	76 (288)	91 (33)	15 (102)	
	SP150	90 (341)	5 (35)	90 (341)	88 (31)	16 (110)	
<b>170 (77)</b>	SP23	26 (97)	7 (47)	27 (102)	102 (39)	7 (51)	
	SP33	37 (140)	8 (58)	38 (144)	100 (38)	9 (63)	
	SP45	50 (189)	6 (42)	52 (197)	101 (38)	10 (66)	
	SP69	73 (276)	7 (47)	77 (291)	102 (39)	15 (104)	
	SP150	90 (341)	5 (35)	90 (341)	98 (37)	16 (110)	
<b>180 (82)</b>	SP23	26 (97)	7 (47)	27 (102)	112 (44)	7 (51)	
	SP33	37 (140)	8 (58)	38 (144)	110 (43)	9 (63)	
	SP45	50 (189)	6 (42)	52 (197)	111 (44)	10 (66)	
	SP69	73 (276)	7 (47)	76 (288)	111 (44)	15 (101)	
	SP150	90 (341)	5 (35)	90 (341)	108 (42)	16 (110)	
<b>190 (88)</b>	SP23	26 (97)	7 (47)	26 (98)	122 (50)	7 (50)	
	SP33	37 (140)	8 (58)	38 (144)	120 (49)	9 (63)	
	SP45	50 (189)	6 (42)	52 (197)	121 (49)	10 (66)	
	SP69	73 (276)	7 (47)	77 (291)	122 (50)	15 (104)	
	SP150	90 (341)	5 (35)	90 (341)	118 (48)	16 (110)	
<b>200 (93)</b>	SP23	26 (98)	7 (48)	26 (98)	128 (53)	7 (47)	
	SP33	37 (140)	8 (57)	39 (148)	131 (55)	10 (66)	
	SP45	50 (189)	6 (42)	53 (201)	132 (55)	10 (68)	
	SP69	73 (276)	7 (47)	77 (291)	131 (55)	15 (103)	
	SP150	90 (341)	5 (35)	90 (341)	128 (53)	16 (109)	
<b>210 (99)</b>	SP23	25 (95)	7 (45)	27 (102)	143 (62)	7 (50)	
	SP33	37 (140)	8 (58)	39 (148)	141 (61)	9 (65)	
	SP45	50 (189)	6 (42)	53 (201)	142 (61)	10 (68)	
	SP69	73 (276)	7 (47)	78 (295)	142 (61)	15 (106)	
	SP150	90 (341)	5 (35)	90 (341)	137 (59)	16 (109)	
<b>220 (104)</b>	SP23	26 (98)	6 (43)	26 (98)	148 (64)	7 (47)	
	SP33	38 (144)	8 (55)	38 (144)	148 (64)	9 (61)	
	SP45	51 (193)	5 (37)	51 (193)	148 (64)	9 (61)	
	SP69	76 (288)	6 (44)	76 (288)	148 (64)	14 (98)	
	SP150	90 (341)	5 (32)	90 (341)	148 (64)	16 (108)	
<b>230 (110)</b>	SP23	26 (98)	6 (43)	26 (98)	158 (70)	7 (47)	
	SP33	38 (144)	8 (55)	38 (144)	158 (70)	9 (61)	
	SP45	51 (193)	5 (37)	51 (193)	158 (70)	9 (61)	
	SP69	76 (288)	6 (44)	76 (288)	158 (70)	14 (98)	
	SP150	90 (341)	5 (32)	90 (341)	158 (70)	16 (107)	
<b>240 (116)</b>	SP23	26 (98)	6 (43)	26 (98)	168 (75)	7 (46)	
	SP33	38 (144)	8 (55)	38 (144)	168 (75)	9 (61)	
	SP45	51 (193)	5 (37)	51 (193)	168 (75)	9 (61)	
	SP69	76 (288)	6 (43)	76 (288)	168 (75)	14 (98)	
	SP150	90 (341)	5 (31)	90 (341)	168 (75)	16 (107)	
<b>250 (121)</b>	SP23	26 (98)	6 (43)	26 (98)	177 (81)	7 (46)	
	SP33	38 (144)	8 (54)	38 (144)	177 (81)	9 (61)	
	SP45	51 (193)	5 (36)	51 (193)	177 (81)	9 (61)	
	SP69	76 (288)	6 (43)	76 (288)	177 (81)	14 (97)	
	SP150	90 (341)	5 (31)	90 (341)	177 (81)	16 (107)	

DOMESTIC WATER INLET-OUTLET °F (°C)	BOILER WATER INLET TEMP °F (°C)	SINGLE-WALL MODEL	DOMESTIC WATER SIDE		BOILER WATER SIDE		
			FLOW GPM (LPM)	TOTAL PRESSURE DROP PSIG (kPa)	FLOW GPM (LPM)	OUTLET TEMP °F (°C)	TOTAL PRESSURE DROP PSIG (kPa)
<b>40-120 (4-49)</b>	<b>125 (52)</b>	SP23	9 (33)	1 (7)	26 (98)	98 (37)	7 (50)
		SP33	13 (48)	1 (9)	37 (140)	97 (36)	9 (62)
		SP45	18 (67)	1 (6)	51 (193)	97 (36)	9 (65)
		SP69	27 (102)	1 (7)	75 (284)	96 (36)	15 (101)
		SP150	40 (151)	1 (8)	87 (329)	88 (31)	15 (103)
	<b>130 (54)</b>	SP23	12 (44)	2 (11)	26 (98)	94 (34)	7 (50)
		SP33	17 (64)	2 (15)	37 (140)	93 (34)	9 (62)
		SP45	23 (89)	1 (10)	51 (193)	93 (34)	9 (65)
		SP69	35 (134)	2 (12)	75 (284)	92 (33)	15 (101)
		SP150	51 (193)	2 (12)	87 (329)	82 (28)	15 (103)
	<b>140 (60)</b>	SP23	16 (62)	3 (21)	26 (98)	89 (32)	7 (49)
		SP33	24 (90)	4 (26)	37 (140)	88 (31)	9 (62)
		SP45	33 (124)	3 (19)	51 (193)	88 (31)	9 (65)
		SP69	49 (186)	3 (22)	75 (284)	87 (31)	15 (100)
		SP150	69 (261)	3 (21)	87 (329)	76 (24)	15 (103)
	<b>150 (66)</b>	SP23	21 (78)	5 (31)	26 (98)	86 (30)	7 (49)
		SP33	30 (112)	6 (39)	37 (140)	85 (29)	9 (61)
		SP45	41 (155)	4 (28)	51 (193)	85 (29)	9 (65)
		SP69	61 (232)	5 (34)	75 (284)	84 (29)	15 (100)
		SP150	83 (314)	4 (30)	87 (329)	72 (22)	15 (103)
	<b>160 (71)</b>	SP23	24 (92)	6 (43)	26 (98)	84 (29)	7 (49)
		SP33	36 (135)	8 (54)	38 (144)	84 (29)	9 (64)
		SP45	49 (184)	6 (39)	51 (193)	83 (28)	9 (65)
		SP69	73 (277)	7 (48)	75 (284)	81 (27)	15 (100)
		SP150	90 (341)	5 (35)	90 (341)	78 (26)	16 (110)
	<b>170 (77)</b>	SP23	26 (97)	7 (46)	27 (102)	93 (34)	7 (51)
		SP33	37 (140)	8 (58)	38 (144)	90 (32)	9 (63)
		SP45	50 (189)	6 (41)	52 (197)	91 (33)	10 (66)
		SP69	74 (280)	7 (49)	77 (291)	91 (33)	15 (104)
		SP150	90 (341)	5 (35)	90 (341)	88 (31)	16 (110)
	<b>180 (82)</b>	SP23	26 (97)	7 (46)	27 (102)	102 (39)	7 (51)
		SP33	37 (140)	8 (56)	38 (144)	100 (38)	9 (64)
		SP45	50 (189)	6 (41)	52 (197)	101 (38)	10 (66)
		SP69	74 (280)	7 (49)	77 (291)	101 (38)	15 (104)
		SP150	90 (341)	5 (35)	90 (341)	98 (37)	16 (110)
	<b>190 (88)</b>	SP23	26 (97)	7 (46)	27 (102)	112 (45)	7 (51)
		SP33	37 (140)	8 (58)	38 (144)	110 (43)	9 (63)
		SP45	50 (189)	6 (41)	52 (197)	111 (44)	10 (67)
		SP69	74 (280)	7 (49)	77 (291)	111 (44)	15 (104)
		SP150	90 (341)	5 (35)	90 (341)	108 (42)	16 (110)
	<b>200 (93)</b>	SP23	26 (98)	7 (48)	27 (102)	120 (49)	7 (51)
		SP33	37 (140)	8 (58)	38 (144)	120 (49)	9 (62)
		SP45	50 (189)	6 (42)	52 (197)	121 (49)	9 (65)
		SP69	74 (280)	7 (49)	77 (291)	121 (49)	15 (103)
		SP150	90 (341)	5 (35)	90 (341)	117 (47)	16 (109)
	<b>210 (99)</b>	SP23	26 (98)	7 (48)	27 (102)	130 (55)	7 (50)
		SP33	37 (140)	8 (58)	39 (148)	131 (55)	9 (65)
		SP45	50 (189)	6 (42)	53 (201)	132 (55)	10 (68)
SP69		74 (280)	7 (49)	78 (295)	131 (55)	15 (106)	
SP150		90 (341)	5 (35)	90 (341)	127 (53)	16 (109)	
<b>220 (104)</b>	SP23	26 (98)	6 (43)	26 (98)	138 (59)	7 (47)	
	SP33	38 (144)	8 (55)	38 (144)	138 (59)	9 (61)	
	SP45	51 (193)	5 (37)	51 (193)	138 (59)	9 (61)	
	SP69	76 (288)	6 (44)	76 (288)	138 (59)	14 (98)	
	SP150	90 (341)	5 (32)	90 (341)	138 (59)	16 (108)	
<b>230 (110)</b>	SP23	26 (98)	6 (43)	26 (98)	148 (64)	7 (47)	
	SP33	38 (144)	8 (55)	38 (144)	148 (64)	9 (61)	
	SP45	51 (193)	5 (37)	51 (193)	148 (64)	9 (61)	
	SP69	76 (288)	6 (44)	76 (288)	148 (64)	14 (98)	
	SP150	90 (341)	5 (32)	90 (341)	148 (64)	16 (108)	
<b>240 (116)</b>	SP23	26 (98)	6 (43)	26 (98)	157 (70)	7 (47)	
	SP33	38 (144)	8 (55)	38 (144)	157 (70)	9 (61)	
	SP45	51 (193)	5 (37)	51 (193)	157 (70)	9 (61)	
	SP69	76 (288)	6 (44)	76 (288)	157 (70)	14 (98)	
	SP150	90 (341)	5 (32)	90 (341)	157 (70)	16 (107)	
<b>250 (121)</b>	SP23	26 (98)	6 (43)	26 (98)	167 (75)	7 (46)	
	SP33	38 (144)	8 (54)	38 (144)	167 (75)	9 (61)	
	SP45	51 (193)	5 (36)	51 (193)	167 (75)	9 (61)	
	SP69	76 (288)	6 (43)	76 (288)	167 (75)	14 (97)	
	SP150	90 (341)	5 (31)	90 (341)	167 (75)	16 (107)	

DOMESTIC WATER INLET-OUTLET °F (°C)	BOILER WATER INLET TEMP °F (°C)	SINGLE-WALL MODEL	DOMESTIC WATER SIDE		BOILER WATER SIDE		
			FLOW GPM (LPM)	TOTAL PRESSURE DROP PSIG (kPa)	FLOW GPM (LPM)	OUTLET TEMP °F (°C)	TOTAL PRESSURE DROP PSIG (kPa)
<b>40-140 (4-60)</b>	<b>145 (63)</b>	SP23	8 (31)	1 (6)	26 (98)	113 (45)	7 (49)
		SP33	12 (47)	1 (9)	38 (144)	112 (44)	9 (64)
		SP45	17 (63)	1 (5)	51 (193)	112 (44)	9 (65)
		SP69	25 (95)	1 (6)	75 (284)	111 (44)	15 (100)
		SP150	38 (144)	1 (7)	87 (329)	101 (38)	15 (103)
	<b>150 (66)</b>	SP23	11 (42)	2 (10)	26 (98)	107 (42)	7 (49)
		SP33	16 (61)	2 (13)	38 (144)	107 (42)	9 (64)
		SP45	22 (84)	1 (9)	51 (193)	106 (41)	9 (65)
		SP69	34 (128)	2 (11)	76 (288)	105 (41)	15 (103)
		SP150	48 (182)	2 (11)	87 (329)	94 (34)	15 (103)
	<b>160 (71)</b>	SP23	15 (58)	3 (18)	26 (98)	101 (38)	7 (49)
		SP33	22 (84)	3 (23)	38 (144)	101 (38)	9 (64)
		SP45	30 (115)	2 (16)	51 (193)	100 (38)	9 (65)
		SP69	45 (171)	3 (19)	75 (284)	99 (37)	14 (100)
		SP150	63 (238)	3 (18)	87 (329)	86 (30)	15 (103)
	<b>170 (77)</b>	SP23	19 (70)	4 (26)	26 (98)	98 (37)	7 (49)
		SP33	27 (104)	5 (33)	38 (144)	97 (36)	9 (64)
		SP45	37 (141)	3 (24)	51 (193)	96 (36)	9 (64)
		SP69	56 (213)	4 (29)	76 (288)	95 (35)	15 (102)
		SP150	77 (291)	4 (26)	88 (333)	81 (27)	15 (105)
	<b>180 (82)</b>	SP23	22 (85)	5 (36)	27 (102)	96 (36)	8 (52)
		SP33	32 (121)	6 (44)	38 (144)	95 (35)	9 (64)
		SP45	43 (164)	5 (31)	51 (193)	94 (34)	9 (64)
		SP69	66 (250)	6 (39)	76 (288)	92 (33)	15 (102)
		SP150	90 (341)	5 (35)	90 (341)	78 (25)	16 (110)
	<b>190 (88)</b>	SP23	26 (97)	7 (46)	27 (102)	94 (34)	8 (52)
		SP33	36 (137)	8 (56)	38 (144)	93 (34)	9 (63)
		SP45	49 (187)	6 (40)	51 (193)	92 (33)	9 (64)
		SP69	75 (284)	7 (49)	76 (288)	90 (32)	15 (102)
		SP150	90 (341)	5 (35)	90 (341)	87 (31)	16 (110)
	<b>200 (93)</b>	SP23	26 (98)	7 (48)	27 (102)	101 (38)	7 (51)
		SP33	37 (140)	8 (57)	39 (148)	102 (39)	9 (65)
		SP45	50 (189)	6 (41)	53 (201)	103 (39)	10 (68)
		SP69	74 (280)	7 (48)	78 (295)	102 (39)	15 (106)
		SP150	90 (341)	5 (35)	90 (341)	97 (36)	16 (109)
	<b>210 (99)</b>	SP23	26 (98)	7 (48)	27 (102)	111 (44)	7 (50)
		SP33	37 (140)	8 (57)	39 (148)	112 (44)	9 (65)
		SP45	50 (189)	6 (41)	53 (201)	113 (45)	10 (68)
		SP69	74 (280)	7 (48)	78 (295)	112 (44)	15 (106)
		SP150	90 (341)	5 (35)	90 (341)	107 (42)	16 (109)
	<b>220 (104)</b>	SP23	26 (98)	6 (44)	26 (98)	118 (48)	7 (47)
		SP33	38 (144)	8 (55)	38 (144)	118 (48)	9 (62)
		SP45	51 (193)	5 (37)	51 (193)	118 (48)	9 (62)
		SP69	76 (288)	6 (44)	76 (288)	118 (48)	14 (98)
		SP150	90 (341)	5 (32)	90 (341)	118 (48)	16 (108)
	<b>230 (110)</b>	SP23	26 (98)	6 (43)	26 (98)	128 (53)	7 (47)
		SP33	38 (144)	8 (55)	38 (144)	128 (53)	9 (62)
		SP45	51 (193)	5 (37)	51 (193)	128 (53)	9 (61)
SP69		76 (288)	6 (44)	76 (288)	128 (53)	14 (98)	
SP150		90 (341)	5 (32)	90 (341)	128 (53)	16 (108)	
<b>240 (116)</b>	SP23	26 (98)	6 (43)	26 (98)	137 (59)	7 (47)	
	SP33	38 (144)	8 (55)	38 (144)	137 (59)	9 (61)	
	SP45	51 (193)	5 (37)	51 (193)	137 (59)	9 (61)	
	SP69	76 (288)	6 (44)	76 (288)	137 (59)	14 (98)	
	SP150	90 (341)	5 (32)	90 (341)	137 (59)	16 (108)	
<b>250 (121)</b>	SP23	26 (98)	6 (43)	26 (98)	147 (64)	7 (47)	
	SP33	38 (144)	8 (55)	38 (144)	147 (64)	9 (61)	
	SP45	51 (193)	5 (37)	51 (193)	147 (64)	9 (61)	
	SP69	76 (288)	6 (44)	76 (288)	147 (64)	14 (98)	
	SP150	90 (341)	5 (32)	90 (341)	147 (64)	16 (107)	

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			FLOW GPM (LPM)	TOTAL PRESSURE DROP PSIG (kPa)	FLOW GPM (LPM)	OUTLET TEMP °F (°C)	TOTAL PRESSURE DROP PSIG (kPa)
<b>40-160 (4-71)</b>	<b>165 (74)</b>	SP23	8 (30)	1 (6)	26 (98)	128 (53)	7 (49)
		SP33	12 (45)	1 (8)	38 (144)	127 (53)	9 (64)
		SP45	16 (62)	1 (5)	52 (197)	127 (53)	10 (67)
		SP69	25 (95)	1 (6)	76 (288)	125 (52)	15 (102)
		SP150	37 (140)	1 (7)	87 (329)	113 (45)	15 (103)
	<b>170 (77)</b>	SP23	11 (41)	1 (10)	27 (102)	122 (50)	8 (52)
		SP33	15 (58)	2 (12)	38 (144)	121 (49)	9 (64)
		SP45	21 (81)	1 (8)	52 (197)	120 (49)	10 (67)
		SP69	32 (121)	1 (10)	76 (288)	119 (48)	15 (102)
		SP150	46 (174)	1 (10)	87 (329)	105 (41)	15 (103)
	<b>180 (82)</b>	SP23	14 (55)	2 (17)	27 (102)	115 (46)	8 (52)
		SP33	21 (79)	3 (21)	38 (144)	113 (45)	9 (63)
		SP45	29 (109)	2 (14)	52 (197)	113 (45)	10 (67)
		SP69	43 (164)	3 (17)	76 (288)	111 (44)	15 (102)
		SP150	60 (227)	2 (16)	87 (329)	95 (35)	15 (103)
	<b>190 (88)</b>	SP23	18 (67)	3 (24)	27 (102)	110 (43)	7 (52)
		SP33	25 (96)	4 (29)	38 (144)	109 (43)	9 (63)
		SP45	35 (133)	3 (21)	52 (197)	108 (42)	10 (66)
		SP69	53 (199)	4 (25)	77 (291)	107 (42)	15 (104)
		SP150	71 (269)	3 (22)	88 (333)	91 (33)	15 (105)
	<b>200 (93)</b>	SP23	20 (77)	4 (31)	27 (102)	107 (42)	7 (51)
		SP33	29 (110)	5 (37)	38 (144)	106 (41)	9 (62)
		SP45	40 (151)	4 (27)	52 (197)	105 (41)	9 (65)
		SP69	60 (227)	5 (32)	77 (291)	104 (40)	15 (103)
		SP150	83 (314)	5 (31)	90 (341)	86 (30)	16 (108)
	<b>210 (99)</b>	SP23	23 (87)	6 (38)	27 (102)	105 (40)	7 (50)
		SP33	34 (129)	7 (49)	39 (148)	102 (39)	9 (65)
		SP45	46 (174)	5 (35)	53 (201)	103 (39)	10 (68)
		SP69	68 (257)	6 (41)	78 (295)	102 (39)	15 (106)
		SP150	90 (341)	5 (35)	90 (341)	86 (30)	16 (109)
	<b>220 (104)</b>	SP23	26 (98)	6 (44)	26 (98)	98 (37)	7 (48)
		SP33	38 (144)	8 (56)	38 (144)	98 (37)	9 (62)
		SP45	51 (193)	5 (38)	51 (193)	98 (37)	9 (62)
		SP69	76 (288)	6 (44)	76 (288)	98 (37)	14 (99)
		SP150	90 (341)	5 (32)	90 (341)	98 (37)	16 (108)
	<b>230 (110)</b>	SP23	26 (98)	6 (44)	26 (98)	108 (42)	7 (47)
		SP33	38 (144)	8 (55)	38 (144)	108 (42)	9 (62)
		SP45	51 (193)	5 (37)	51 (193)	108 (42)	9 (62)
		SP69	76 (288)	6 (44)	76 (288)	108 (42)	14 (99)
		SP150	90 (341)	5 (32)	90 (341)	108 (42)	16 (108)
	<b>240 (116)</b>	SP23	26 (98)	6 (43)	26 (98)	117 (47)	7 (47)
		SP33	38 (144)	8 (55)	38 (144)	117 (47)	9 (62)
		SP45	51 (193)	5 (37)	51 (193)	117 (47)	9 (61)
		SP69	76 (288)	6 (44)	76 (288)	117 (47)	14 (98)
		SP150	90 (341)	5 (32)	90 (341)	117 (47)	16 (108)
	<b>250 (121)</b>	SP23	26 (98)	6 (43)	26 (98)	127 (53)	7 (47)
		SP33	38 (144)	8 (55)	38 (144)	127 (53)	9 (61)
		SP45	51 (193)	5 (37)	51 (193)	127 (53)	9 (61)
SP69		76 (288)	6 (44)	76 (288)	127 (53)	14 (98)	
SP150		90 (341)	5 (32)	90 (341)	127 (53)	16 (108)	

DOMESTIC WATER INLET-OUTLET °F (°C)	BOILER WATER INLET TEMP °F (°C)	SINGLE-WALL MODEL	DOMESTIC WATER SIDE		BOILER WATER SIDE		
			FLOW GPM (LPM)	TOTAL PRESSURE DROP PSIG (kPa)	FLOW GPM (LPM)	OUTLET TEMP °F (°C)	TOTAL PRESSURE DROP PSIG (kPa)
<b>40-180 (4-82)</b>	<b>185 (85)</b>	SP23	8 (30)	1 (6)	27 (102)	143 (62)	7 (51)
		SP33	12 (44)	1 (8)	38 (144)	142 (61)	9 (63)
		SP45	16 (61)	1 (5)	52 (197)	141 (61)	10 (66)
		SP69	24 (92)	1 (6)	77 (291)	140 (60)	15 (104)
		SP150	36 (136)	1 (6)	88 (333)	127 (53)	15 (105)
	<b>190 (88)</b>	SP23	10 (39)	1 (9)	27 (102)	136 (58)	7 (51)
		SP33	15 (57)	2 (12)	38 (144)	134 (57)	9 (63)
		SP45	21 (78)	1 (8)	52 (197)	134 (57)	10 (66)
		SP69	32 (119)	1 (10)	77 (291)	132 (56)	15 (104)
		SP150	45 (170)	1 (10)	88 (333)	117 (47)	15 (105)
	<b>200 (93)</b>	SP23	13 (49)	2 (14)	27 (102)	131 (55)	7 (51)
		SP33	20 (76)	3 (19)	39 (148)	127 (53)	9 (65)
		SP45	27 (102)	2 (13)	53 (201)	127 (53)	10 (68)
		SP69	41 (155)	2 (16)	78 (295)	125 (51)	15 (106)
		SP150	59 (223)	2 (16)	90 (341)	106 (41)	16 (109)
	<b>210 (99)</b>	SP23	16 (61)	3 (20)	27 (102)	125 (52)	7 (50)
		SP33	24 (91)	4 (26)	39 (148)	122 (50)	9 (65)
		SP45	33 (125)	3 (19)	53 (201)	121 (49)	10 (68)
		SP69	50 (189)	3 (23)	78 (295)	118 (48)	15 (106)
		SP150	69 (261)	3 (21)	90 (341)	100 (38)	16 (109)
	<b>220 (104)</b>	SP23	20 (74)	4 (26)	26 (98)	113 (45)	7 (47)
		SP33	29 (110)	5 (34)	38 (144)	112 (44)	9 (62)
		SP45	40 (150)	3 (23)	51 (193)	110 (43)	9 (62)
		SP69	60 (227)	4 (28)	76 (288)	108 (42)	14 (98)
		SP150	81 (307)	4 (26)	90 (341)	92 (34)	16 (108)
	<b>230 (110)</b>	SP23	22 (83)	5 (32)	26 (98)	110 (43)	7 (47)
		SP33	33 (123)	6 (42)	38 (144)	108 (42)	9 (62)
		SP45	45 (168)	4 (29)	51 (193)	106 (41)	9 (62)
		SP69	67 (254)	5 (35)	76 (288)	105 (40)	14 (98)
		SP150	90 (341)	5 (32)	90 (341)	88 (31)	16 (108)
	<b>240 (116)</b>	SP23	25 (93)	6 (39)	26 (98)	106 (41)	7 (47)
		SP33	36 (136)	7 (50)	38 (144)	105 (41)	9 (62)
		SP45	49 (185)	5 (35)	51 (193)	103 (40)	9 (62)
		SP69	74 (280)	6 (42)	76 (288)	101 (39)	14 (98)
		SP150	90 (341)	5 (32)	90 (341)	98 (37)	16 (108)
	<b>250 (121)</b>	SP23	26 (98)	6 (43)	26 (98)	107 (42)	7 (47)
		SP33	38 (144)	8 (55)	38 (144)	107 (42)	9 (62)
		SP45	51 (193)	5 (37)	51 (193)	107 (42)	9 (62)
		SP69	76 (288)	6 (44)	76 (288)	107 (42)	14 (98)
		SP150	90 (341)	5 (32)	90 (341)	107 (42)	16 (108)

DOMESTIC WATER INLET-OUTLET °F (°C)	BOILER WATER INLET TEMP °F (°C)	SINGLE-WALL MODEL	DOMESTIC WATER SIDE		BOILER WATER SIDE		
			FLOW GPM (LPM)	TOTAL PRESSURE DROP PSIG (kPa)	FLOW GPM (LPM)	OUTLET TEMP °F (°C)	TOTAL PRESSURE DROP PSIG (kPa)
<b>50-110 (10-66)</b>	<b>115 (46)</b>	SP23	10 (37)	1 (9)	26 (98)	92 (33)	7 (50)
		SP33	15 (55)	2 (11)	38 (144)	92 (33)	9 (65)
		SP45	20 (74)	1 (7)	51 (193)	92 (33)	9 (65)
		SP69	30 (114)	1 (9)	76 (288)	91 (33)	15 (103)
		SP150	45 (170)	1 (10)	90 (341)	85 (29)	16 (111)
	<b>120 (49)</b>	SP23	13 (50)	2 (14)	26 (98)	89 (32)	7 (49)
		SP33	20 (74)	3 (19)	38 (144)	89 (32)	9 (65)
		SP45	27 (100)	2 (13)	51 (193)	89 (31)	9 (65)
		SP69	41 (155)	2 (16)	76 (288)	87 (31)	15 (103)
		SP150	59 (223)	2 (16)	90 (341)	80 (27)	16 (110)
	<b>130 (54)</b>	SP23	19 (72)	4 (27)	26 (98)	86 (30)	7 (49)
		SP33	28 (106)	5 (35)	38 (144)	85 (30)	9 (64)
		SP45	38 (144)	4 (25)	51 (193)	85 (29)	9 (65)
		SP69	58 (220)	4 (31)	76 (288)	84 (29)	15 (103)
		SP150	81 (307)	4 (29)	90 (341)	75 (24)	16 (110)
	<b>140 (60)</b>	SP23	24 (91)	6 (42)	26 (98)	84 (29)	7 (49)
		SP33	35 (132)	8 (52)	38 (144)	84 (29)	9 (64)
		SP45	48 (182)	6 (38)	51 (193)	83 (28)	9 (65)
		SP69	72 (273)	7 (46)	76 (288)	82 (28)	15 (103)
		SP150	90 (341)	5 (35)	90 (341)	79 (26)	16 (110)
	<b>150 (66)</b>	SP23	26 (98)	7 (48)	26 (98)	89 (32)	7 (49)
		SP33	37 (140)	8 (58)	38 (144)	90 (32)	9 (64)
		SP45	50 (189)	6 (41)	51 (193)	90 (32)	9 (64)
		SP69	74 (280)	7 (49)	76 (288)	90 (32)	15 (102)
		SP150	90 (341)	5 (35)	90 (341)	89 (32)	16 (110)
	<b>160 (71)</b>	SP23	26 (98)	7 (48)	26 (98)	99 (37)	7 (48)
		SP33	37 (140)	8 (58)	38 (144)	100 (38)	9 (63)
		SP45	50 (189)	6 (41)	51 (193)	100 (38)	9 (64)
		SP69	74 (280)	7 (49)	76 (288)	100 (38)	15 (102)
		SP150	90 (341)	5 (35)	90 (341)	99 (37)	16 (110)
	<b>170 (77)</b>	SP23	26 (98)	7 (48)	26 (98)	109 (43)	7 (48)
		SP33	37 (140)	8 (58)	38 (144)	110 (43)	9 (63)
		SP45	50 (189)	6 (41)	51 (193)	110 (43)	9 (64)
		SP69	74 (280)	7 (49)	76 (288)	110 (43)	15 (102)
		SP150	90 (341)	5 (35)	90 (341)	109 (43)	16 (110)
	<b>180 (82)</b>	SP23	26 (98)	7 (48)	26 (98)	118 (48)	7 (48)
		SP33	37 (140)	8 (58)	38 (144)	120 (49)	9 (63)
		SP45	50 (189)	6 (41)	51 (193)	120 (49)	9 (63)
		SP69	74 (280)	7 (49)	76 (288)	120 (49)	15 (101)
		SP150	90 (341)	5 (35)	90 (341)	118 (48)	16 (110)
	<b>190 (88)</b>	SP23	26 (98)	7 (48)	26 (98)	128 (53)	7 (48)
		SP33	37 (140)	8 (58)	38 (144)	130 (54)	9 (63)
		SP45	50 (189)	6 (41)	51 (193)	129 (54)	9 (63)
		SP69	74 (280)	7 (49)	76 (288)	130 (54)	15 (101)
		SP150	90 (341)	5 (35)	90 (341)	128 (53)	15 (103)
	<b>200 (93)</b>	SP23	26 (98)	7 (48)	26 (98)	138 (59)	7 (47)
		SP33	37 (140)	8 (58)	38 (144)	140 (60)	9 (62)
		SP45	50 (189)	6 (41)	51 (193)	139 (60)	9 (63)
SP69		74 (280)	7 (49)	76 (288)	140 (60)	15 (101)	
SP150		90 (341)	5 (35)	90 (341)	138 (59)	16 (109)	
<b>210 (99)</b>	SP23	26 (98)	7 (48)	26 (98)	148 (64)	7 (47)	
	SP33	37 (140)	8 (58)	38 (144)	150 (65)	9 (62)	
	SP45	50 (189)	6 (41)	51 (193)	149 (65)	9 (63)	
	SP69	74 (280)	7 (49)	76 (288)	150 (65)	15 (101)	
	SP150	90 (341)	5 (35)	90 (341)	148 (64)	16 (109)	
<b>220 (104)</b>	SP23	26 (98)	6 (43)	26 (98)	158 (70)	7 (47)	
	SP33	38 (144)	8 (55)	38 (144)	158 (70)	9 (61)	
	SP45	51 (193)	5 (37)	51 (193)	158 (70)	9 (61)	
	SP69	76 (288)	6 (44)	76 (288)	158 (70)	14 (98)	
	SP150	90 (341)	5 (32)	90 (341)	158 (70)	16 (107)	
<b>230 (110)</b>	SP23	26 (98)	6 (43)	26 (98)	168 (76)	7 (46)	
	SP33	38 (144)	8 (55)	38 (144)	168 (76)	9 (61)	
	SP45	51 (193)	5 (37)	51 (193)	168 (76)	9 (61)	
	SP69	76 (288)	6 (44)	76 (288)	168 (76)	14 (98)	
	SP150	90 (341)	5 (32)	90 (341)	168 (76)	16 (107)	
<b>240 (116)</b>	SP23	26 (98)	6 (43)	26 (98)	178 (81)	7 (46)	
	SP33	38 (144)	8 (55)	38 (144)	178 (81)	9 (61)	
	SP45	51 (193)	5 (37)	51 (193)	178 (81)	9 (61)	
	SP69	76 (288)	6 (43)	76 (288)	178 (81)	14 (97)	
	SP150	90 (341)	5 (31)	90 (341)	178 (81)	16 (107)	
<b>250 (121)</b>	SP23	26 (98)	6 (43)	26 (98)	188 (87)	7 (46)	
	SP33	38 (144)	8 (54)	38 (144)	188 (87)	9 (60)	
	SP45	51 (193)	5 (36)	51 (193)	188 (87)	9 (60)	
	SP69	76 (288)	6 (43)	76 (288)	188 (87)	14 (97)	
	SP150	90 (341)	5 (31)	90 (341)	188 (87)	16 (107)	

DOMESTIC WATER INLET-OUTLET °F (°C)	BOILER WATER INLET TEMP °F (°C)	SINGLE-WALL MODEL	DOMESTIC WATER SIDE		BOILER WATER SIDE		
			FLOW GPM (LPM)	TOTAL PRESSURE DROP PSIG (kPa)	FLOW GPM (LPM)	OUTLET TEMP °F (°C)	TOTAL PRESSURE DROP PSIG (kPa)
<b>50-120 (10-49)</b>	<b>125 (52)</b>	SP23	9 (34)	1 (7)	26 (98)	101 (38)	7 (49)
		SP33	14 (51)	1 (10)	38 (144)	100 (38)	9 (65)
		SP45	19 (70)	1 (6)	51 (193)	99 (37)	9 (65)
		SP69	29 (108)	1 (8)	76 (288)	99 (37)	15 (103)
		SP150	43 (163)	1 (9)	90 (341)	91 (33)	16 (110)
	<b>130 (54)</b>	SP23	13 (47)	2 (13)	26 (98)	96 (36)	7 (49)
		SP33	19 (70)	2 (17)	38 (144)	96 (35)	9 (64)
		SP45	25 (95)	2 (11)	51 (193)	95 (35)	9 (65)
		SP69	38 (144)	2 (14)	76 (288)	95 (35)	15 (103)
		SP150	56 (212)	2 (14)	90 (341)	86 (30)	16 (110)
	<b>140 (60)</b>	SP23	18 (66)	3 (23)	26 (98)	92 (33)	7 (49)
		SP33	26 (98)	4 (31)	38 (144)	91 (33)	9 (64)
		SP45	35 (132)	3 (21)	51 (193)	91 (33)	9 (65)
		SP69	54 (204)	4 (27)	76 (288)	90 (32)	15 (103)
		SP150	75 (284)	4 (25)	90 (341)	81 (27)	16 (110)
	<b>150 (66)</b>	SP23	22 (83)	5 (35)	26 (98)	90 (32)	7 (49)
		SP33	32 (121)	6 (44)	38 (144)	90 (32)	9 (64)
		SP45	44 (167)	5 (32)	51 (193)	89 (31)	9 (64)
		SP69	67 (254)	6 (40)	76 (288)	87 (31)	15 (102)
		SP150	90 (341)	5 (35)	90 (341)	79 (26)	16 (110)
	<b>160 (71)</b>	SP23	26 (98)	7 (48)	26 (98)	89 (31)	7 (48)
		SP33	37 (140)	8 (58)	38 (144)	90 (32)	9 (64)
		SP45	50 (189)	6 (41)	51 (193)	90 (32)	9 (64)
		SP69	74 (280)	7 (48)	76 (288)	90 (32)	15 (102)
		SP150	90 (341)	5 (35)	90 (341)	89 (31)	16 (110)
	<b>170 (77)</b>	SP23	26 (98)	7 (48)	26 (98)	98 (37)	7 (48)
		SP33	37 (140)	8 (58)	38 (144)	100 (38)	9 (63)
		SP45	50 (189)	6 (41)	51 (193)	100 (38)	9 (64)
		SP69	74 (280)	7 (48)	76 (288)	100 (38)	15 (102)
		SP150	90 (341)	5 (35)	90 (341)	98 (37)	16 (110)
	<b>180 (82)</b>	SP23	26 (98)	7 (48)	26 (98)	108 (42)	7 (48)
		SP33	37 (140)	8 (58)	38 (144)	110 (43)	9 (63)
		SP45	50 (189)	6 (41)	51 (193)	110 (43)	9 (63)
		SP69	74 (280)	7 (48)	76 (288)	110 (43)	15 (101)
		SP150	90 (341)	5 (35)	90 (341)	108 (42)	16 (110)
	<b>190 (88)</b>	SP23	26 (98)	7 (48)	26 (98)	118 (48)	7 (48)
		SP33	37 (140)	8 (58)	38 (144)	120 (49)	9 (63)
		SP45	50 (189)	6 (41)	51 (193)	119 (49)	9 (63)
		SP69	74 (280)	7 (48)	76 (288)	120 (49)	15 (101)
		SP150	90 (341)	5 (35)	90 (341)	118 (48)	16 (110)
<b>200 (93)</b>	SP23	26 (98)	7 (48)	26 (98)	128 (53)	7 (47)	
	SP33	37 (140)	8 (58)	38 (144)	130 (54)	9 (62)	
	SP45	50 (189)	6 (41)	51 (193)	129 (54)	9 (63)	
	SP69	74 (280)	7 (48)	76 (288)	130 (54)	15 (101)	
	SP150	90 (341)	5 (35)	90 (341)	128 (53)	16 (109)	
<b>210 (99)</b>	SP23	26 (98)	7 (48)	26 (98)	138 (59)	7 (47)	
	SP33	37 (140)	8 (58)	38 (144)	140 (60)	9 (62)	
	SP45	50 (189)	6 (41)	51 (193)	139 (59)	9 (63)	
	SP69	74 (280)	7 (48)	76 (288)	140 (60)	15 (101)	
	SP150	90 (341)	5 (35)	90 (341)	138 (59)	16 (109)	
<b>220 (104)</b>	SP23	26 (98)	6 (43)	26 (98)	148 (65)	7 (46)	
	SP33	38 (144)	8 (55)	38 (144)	148 (65)	9 (61)	
	SP45	51 (193)	5 (37)	51 (193)	148 (65)	9 (61)	
	SP69	76 (288)	6 (44)	76 (288)	148 (65)	14 (98)	
	SP150	90 (341)	5 (32)	90 (341)	148 (65)	16 (107)	
<b>230 (110)</b>	SP23	26 (98)	6 (43)	26 (98)	158 (70)	7 (46)	
	SP33	38 (144)	8 (55)	38 (144)	158 (70)	9 (60)	
	SP45	51 (193)	5 (37)	51 (193)	158 (70)	9 (60)	
	SP69	76 (288)	6 (44)	76 (288)	158 (70)	14 (97)	
	SP150	90 (341)	5 (32)	90 (341)	158 (70)	16 (107)	
<b>240 (116)</b>	SP23	26 (98)	6 (43)	26 (98)	168 (75)	7 (46)	
	SP33	38 (144)	8 (55)	38 (144)	168 (75)	9 (60)	
	SP45	51 (193)	5 (37)	51 (193)	168 (75)	9 (60)	
	SP69	76 (288)	6 (44)	76 (288)	168 (75)	14 (97)	
	SP150	90 (341)	5 (32)	90 (341)	168 (75)	16 (107)	
<b>250 (121)</b>	SP23	26 (98)	6 (43)	26 (98)	178 (81)	7 (46)	
	SP33	38 (144)	8 (54)	38 (144)	178 (81)	9 (60)	
	SP45	51 (193)	5 (36)	51 (193)	178 (81)	9 (60)	
	SP69	76 (288)	6 (43)	76 (288)	178 (81)	14 (97)	
	SP150	90 (341)	5 (31)	90 (341)	178 (81)	16 (107)	

DOMESTIC WATER INLET-OUTLET °F (°C)	BOILER WATER INLET TEMP °F (°C)	SINGLE-WALL MODEL	DOMESTIC WATER SIDE		BOILER WATER SIDE		
			FLOW GPM (LPM)	TOTAL PRESSURE DROP PSIG (kPa)	FLOW GPM (LPM)	OUTLET TEMP °F (°C)	TOTAL PRESSURE DROP PSIG (kPa)
<b>50-140 (10-60)</b>	<b>145 (63)</b>	SP23	9 (32)	1 (7)	26 (98)	115 (46)	7 (49)
		SP33	13 (49)	1 (9)	38 (144)	114 (45)	9 (64)
		SP45	18 (66)	1 (6)	51 (193)	114 (45)	9 (64)
		SP69	27 (102)	1 (7)	76 (288)	113 (45)	15 (102)
		SP150	40 (151)	1 (8)	90 (341)	104 (40)	16 (110)
	<b>150 (66)</b>	SP23	12 (44)	2 (11)	26 (98)	110 (43)	7 (49)
		SP33	17 (64)	2 (15)	38 (144)	109 (43)	9 (64)
		SP45	23 (87)	1 (10)	51 (193)	109 (43)	9 (64)
		SP69	36 (134)	2 (12)	76 (288)	107 (42)	15 (102)
		SP150	52 (197)	2 (13)	90 (341)	97 (36)	16 (110)
	<b>160 (71)</b>	SP23	16 (59)	3 (19)	26 (98)	105 (41)	7 (48)
		SP33	24 (89)	4 (25)	38 (144)	103 (40)	9 (63)
		SP45	32 (121)	3 (18)	51 (193)	103 (39)	9 (64)
		SP69	48 (182)	3 (21)	76 (288)	102 (39)	15 (102)
		SP150	68 (257)	3 (21)	90 (341)	91 (33)	16 (110)
	<b>170 (77)</b>	SP23	20 (74)	4 (28)	26 (98)	101 (38)	7 (48)
		SP33	29 (110)	5 (37)	38 (144)	100 (38)	9 (63)
		SP45	39 (148)	4 (26)	51 (193)	100 (38)	9 (64)
		SP69	59 (223)	5 (31)	76 (288)	99 (37)	15 (102)
		SP150	82 (310)	4 (29)	90 (341)	86 (30)	16 (110)
	<b>180 (82)</b>	SP23	23 (87)	6 (38)	26 (98)	99 (37)	7 (48)
		SP33	34 (129)	7 (49)	38 (144)	98 (37)	9 (63)
		SP45	46 (174)	5 (35)	51 (193)	97 (36)	9 (63)
		SP69	69 (261)	6 (42)	76 (288)	96 (36)	15 (101)
		SP150	90 (341)	5 (35)	90 (341)	88 (31)	16 (110)
	<b>190 (88)</b>	SP23	26 (98)	7 (48)	26 (98)	98 (36)	7 (48)
		SP33	37 (140)	8 (57)	38 (144)	100 (38)	9 (63)
		SP45	50 (189)	6 (41)	51 (193)	100 (38)	9 (63)
		SP69	74 (280)	7 (48)	76 (288)	100 (38)	15 (101)
		SP150	90 (341)	5 (35)	90 (341)	98 (36)	16 (110)
	<b>200 (93)</b>	SP23	26 (98)	7 (48)	26 (98)	107 (42)	7 (47)
		SP33	37 (140)	8 (57)	38 (144)	110 (43)	9 (62)
		SP45	50 (189)	6 (41)	51 (193)	109 (43)	9 (63)
		SP69	74 (280)	7 (48)	76 (288)	110 (43)	15 (101)
		SP150	90 (341)	5 (35)	90 (341)	107 (42)	16 (109)
	<b>210 (99)</b>	SP23	26 (98)	7 (48)	26 (98)	117 (47)	7 (47)
		SP33	37 (140)	8 (57)	38 (144)	120 (49)	9 (62)
		SP45	50 (189)	6 (41)	51 (193)	119 (48)	9 (63)
		SP69	74 (280)	7 (48)	76 (288)	120 (49)	15 (101)
		SP150	90 (341)	5 (35)	90 (341)	117 (47)	16 (109)
	<b>220 (104)</b>	SP23	26 (98)	6 (44)	26 (98)	128 (53)	7 (47)
		SP33	38 (144)	8 (55)	38 (144)	128 (53)	9 (61)
		SP45	51 (193)	5 (37)	51 (193)	128 (53)	9 (61)
		SP69	76 (288)	6 (44)	76 (288)	128 (53)	14 (98)
		SP150	90 (341)	5 (32)	90 (341)	128 (53)	16 (108)
	<b>230 (110)</b>	SP23	26 (98)	6 (43)	26 (98)	138 (59)	7 (47)
		SP33	38 (144)	8 (55)	38 (144)	138 (59)	9 (61)
		SP45	51 (193)	5 (37)	51 (193)	138 (59)	9 (61)
SP69		76 (288)	6 (44)	76 (288)	138 (59)	14 (98)	
SP150		90 (341)	5 (32)	90 (341)	138 (59)	16 (107)	
<b>240 (116)</b>	SP23	26 (98)	6 (43)	26 (98)	148 (64)	7 (46)	
	SP33	38 (144)	8 (55)	38 (144)	148 (64)	9 (61)	
	SP45	51 (193)	5 (37)	51 (193)	148 (64)	9 (61)	
	SP69	76 (288)	6 (44)	76 (288)	148 (64)	14 (98)	
	SP150	90 (341)	5 (32)	90 (341)	148 (64)	16 (107)	
<b>250 (121)</b>	SP23	26 (98)	6 (43)	26 (98)	157 (70)	7 (46)	
	SP33	38 (144)	8 (55)	38 (144)	157 (70)	9 (61)	
	SP45	51 (193)	5 (37)	51 (193)	157 (70)	9 (61)	
	SP69	76 (288)	6 (44)	76 (288)	157 (70)	14 (97)	
	SP150	90 (341)	5 (32)	90 (341)	157 (70)	16 (107)	



DOMESTIC WATER INLET-OUTLET °F (°C)	BOILER WATER INLET TEMP °F (°C)	SINGLE-WALL MODEL	DOMESTIC WATER SIDE		BOILER WATER SIDE		
			FLOW GPM (LPM)	TOTAL PRESSURE DROP PSIG (kPa)	FLOW GPM (LPM)	OUTLET TEMP °F (°C)	TOTAL PRESSURE DROP PSIG (kPa)
<b>50-160 (10-71)</b>	<b>165 (74)</b>	SP23	8 (32)	1 (7)	26 (98)	129 (54)	7 (48)
		SP33	12 (45)	1 (8)	38 (144)	130 (54)	9 (63)
		SP45	17 (64)	1 (5)	51 (193)	128 (53)	9 (64)
		SP69	26 (98)	1 (7)	76 (288)	127 (53)	15 (102)
		SP150	39 (148)	1 (7)	90 (341)	117 (47)	16 (110)
	<b>170 (77)</b>	SP23	11 (40)	1 (9)	26 (98)	125 (52)	7 (48)
		SP33	16 (61)	2 (13)	38 (144)	123 (51)	9 (63)
		SP45	22 (83)	1 (9)	51 (193)	122 (50)	9 (64)
		SP69	33 (125)	2 (11)	76 (288)	121 (50)	15 (102)
		SP150	49 (185)	2 (11)	90 (341)	109 (43)	16 (110)
	<b>180 (82)</b>	SP23	15 (55)	2 (17)	26 (98)	117 (47)	7 (48)
		SP33	22 (81)	3 (22)	38 (144)	117 (47)	9 (63)
		SP45	30 (112)	2 (15)	51 (193)	115 (46)	9 (63)
		SP69	45 (170)	3 (19)	76 (288)	114 (45)	15 (101)
		SP150	64 (242)	3 (18)	90 (341)	100 (38)	16 (110)
	<b>190 (88)</b>	SP23	18 (68)	4 (24)	26 (98)	112 (45)	7 (48)
		SP33	27 (100)	5 (31)	38 (144)	112 (44)	9 (63)
		SP45	36 (136)	3 (22)	51 (193)	111 (44)	9 (63)
		SP69	54 (204)	4 (26)	76 (288)	110 (43)	15 (101)
		SP150	76 (288)	4 (25)	90 (341)	95 (35)	16 (110)
	<b>200 (93)</b>	SP23	21 (79)	5 (32)	26 (98)	109 (43)	7 (47)
		SP33	31 (115)	6 (40)	38 (144)	109 (43)	9 (62)
		SP45	42 (159)	4 (29)	51 (193)	107 (42)	9 (63)
		SP69	63 (238)	5 (35)	76 (288)	107 (41)	15 (101)
		SP150	87 (329)	5 (33)	90 (341)	91 (33)	16 (109)
	<b>210 (99)</b>	SP23	24 (89)	6 (39)	26 (98)	108 (42)	7 (47)
		SP33	35 (132)	6 (45)	38 (144)	106 (41)	9 (62)
		SP45	47 (178)	5 (36)	51 (193)	106 (41)	9 (63)
		SP69	71 (269)	6 (44)	76 (288)	104 (40)	15 (101)
		SP150	90 (341)	5 (35)	90 (341)	97 (36)	16 (109)
	<b>220 (104)</b>	SP23	26 (98)	6 (44)	26 (98)	108 (42)	7 (47)
		SP33	38 (144)	8 (56)	38 (144)	108 (42)	9 (62)
		SP45	51 (193)	5 (38)	51 (193)	108 (42)	9 (62)
		SP69	76 (288)	6 (44)	76 (288)	108 (42)	14 (98)
		SP150	90 (341)	5 (32)	90 (341)	108 (42)	16 (108)
	<b>230 (110)</b>	SP23	26 (98)	6 (44)	26 (98)	118 (48)	7 (47)
		SP33	38 (144)	8 (55)	38 (144)	118 (48)	9 (61)
		SP45	51 (193)	5 (37)	51 (193)	118 (48)	9 (61)
		SP69	76 (288)	6 (44)	76 (288)	118 (48)	14 (98)
		SP150	90 (341)	5 (32)	90 (341)	118 (48)	16 (108)
	<b>240 (116)</b>	SP23	26 (98)	6 (43)	26 (98)	128 (53)	7 (47)
		SP33	38 (144)	8 (55)	38 (144)	128 (53)	9 (61)
		SP45	51 (193)	5 (37)	51 (193)	128 (53)	9 (61)
		SP69	76 (288)	6 (44)	76 (288)	128 (53)	14 (98)
		SP150	90 (341)	5 (32)	90 (341)	128 (53)	16 (107)
<b>250 (121)</b>	SP23	26 (98)	6 (43)	26 (98)	137 (59)	7 (46)	
	SP33	38 (144)	8 (55)	38 (144)	137 (59)	9 (61)	
	SP45	51 (193)	5 (37)	51 (193)	137 (59)	9 (61)	
	SP69	76 (288)	6 (44)	76 (288)	137 (59)	14 (98)	
	SP150	90 (341)	5 (32)	90 (341)	137 (59)	16 (107)	

DOMESTIC WATER INLET-OUTLET °F (°C)	BOILER WATER INLET TEMP °F (°C)	SINGLE-WALL MODEL	DOMESTIC WATER SIDE		BOILER WATER SIDE		
			FLOW GPM (LPM)	TOTAL PRESSURE DROP PSIG (kPa)	FLOW GPM (LPM)	OUTLET TEMP °F (°C)	TOTAL PRESSURE DROP PSIG (kPa)
<b>50-180 (10-82)</b>	<b>185 (85)</b>	SP23	8 (30)	1 (6)	26 (98)	144 (62)	7 (48)
		SP33	12 (45)	1 (8)	38 (144)	143 (62)	9 (63)
		SP45	17 (62)	1 (5)	51 (193)	142 (61)	5 (35)
		SP69	25 (95)	1 (6)	76 (288)	141 (61)	15 (101)
		SP150	38 (144)	1 (7)	90 (341)	129 (54)	16 (110)
	<b>190 (88)</b>	SP23	11 (40)	1 (9)	26 (98)	136 (58)	7 (48)
		SP33	16 (59)	2 (12)	38 (144)	136 (58)	9 (63)
		SP45	21 (79)	1 (8)	51 (193)	135 (57)	9 (63)
		SP69	32 (121)	1 (10)	76 (288)	134 (57)	15 (101)
		SP150	47 (178)	2 (10)	90 (341)	121 (49)	16 (110)
	<b>200 (93)</b>	SP23	14 (53)	2 (16)	26 (98)	128 (54)	7 (47)
		SP33	21 (78)	3 (20)	38 (144)	128 (54)	9 (62)
		SP45	28 (106)	2 (14)	51 (193)	127 (53)	9 (63)
		SP69	42 (159)	2 (16)	76 (288)	127 (53)	15 (101)
		SP150	61 (231)	2 (17)	90 (341)	110 (43)	16 (109)
	<b>210 (99)</b>	SP23	17 (62)	3 (21)	26 (98)	125 (52)	7 (47)
		SP33	25 (93)	4 (27)	38 (144)	124 (51)	9 (62)
		SP45	34 (127)	3 (19)	51 (193)	122 (50)	9 (63)
		SP69	51 (193)	3 (24)	76 (288)	121 (49)	15 (101)
		SP150	72 (273)	3 (23)	90 (341)	103 (40)	16 (109)
	<b>220 (104)</b>	SP23	21 (78)	4 (29)	26 (98)	116 (47)	7 (47)
		SP33	31 (115)	5 (37)	38 (144)	114 (46)	9 (61)
		SP45	42 (157)	4 (25)	51 (193)	113 (45)	9 (61)
		SP69	63 (238)	5 (31)	76 (288)	111 (44)	14 (98)
		SP150	85 (320)	4 (28)	90 (341)	97 (36)	16 (108)
	<b>230 (110)</b>	SP23	24 (89)	5 (36)	26 (98)	111 (44)	7 (47)
		SP33	35 (131)	7 (47)	38 (144)	110 (43)	9 (61)
		SP45	47 (176)	5 (31)	51 (193)	110 (43)	9 (61)
		SP69	71 (267)	6 (38)	76 (288)	108 (42)	14 (98)
		SP150	90 (341)	5 (32)	90 (341)	98 (37)	16 (108)
	<b>240 (116)</b>	SP23	26 (97)	6 (42)	26 (98)	110 (44)	7 (47)
		SP33	38 (144)	8 (55)	38 (144)	108 (42)	9 (61)
		SP45	51 (193)	5 (37)	51 (193)	108 (42)	9 (61)
		SP69	76 (288)	6 (44)	76 (288)	108 (42)	14 (98)
		SP150	90 (341)	5 (32)	90 (341)	108 (42)	16 (108)
	<b>250 (121)</b>	SP23	26 (98)	6 (43)	26 (98)	118 (48)	7 (47)
		SP33	38 (144)	8 (55)	38 (144)	118 (48)	9 (61)
		SP45	51 (193)	5 (37)	51 (193)	118 (48)	9 (61)
		SP69	76 (288)	6 (44)	76 (288)	118 (48)	14 (98)
		SP150	90 (341)	5 (32)	90 (341)	118 (48)	16 (108)

DOMESTIC WATER INLET-OUTLET °F (°C)	BOILER WATER INLET TEMP °F (°C)	SINGLE-WALL MODEL	DOMESTIC WATER SIDE		BOILER WATER SIDE		
			FLOW GPM (LPM)	TOTAL PRESSURE DROP PSIG (kPa)	FLOW GPM (LPM)	OUTLET TEMP °F (°C)	TOTAL PRESSURE DROP PSIG (kPa)
<b>60-110 (16-43)</b>	<b>115 (46)</b>	SP23	11 (41)	1 (7)	26 (98)	94 (35)	7 (50)
		SP33	15 (57)	2 (12)	37 (140)	95 (35)	9 (62)
		SP45	21 (79)	1 (8)	51 (193)	94 (35)	9 (65)
		SP69	32 (121)	1 (10)	75 (284)	94 (34)	15 (101)
		SP150	49 (185)	2 (11)	90 (341)	88 (31)	16 (111)
	<b>120 (49)</b>	SP23	14 (53)	2 (16)	26 (98)	93 (34)	7 (49)
		SP33	21 (79)	3 (21)	37 (140)	91 (33)	9 (62)
		SP45	29 (110)	2 (15)	51 (193)	91 (33)	9 (65)
		SP69	44 (167)	3 (18)	75 (284)	90 (32)	15 (100)
		SP150	64 (242)	3 (19)	90 (341)	84 (29)	16 (110)
	<b>130 (54)</b>	SP23	21 (79)	5 (32)	26 (98)	89 (32)	7 (49)
		SP33	31 (117)	6 (40)	37 (140)	89 (32)	9 (61)
		SP45	42 (159)	4 (30)	51 (193)	88 (31)	9 (65)
		SP69	64 (242)	5 (37)	75 (284)	87 (30)	15 (100)
		SP150	88 (333)	5 (34)	90 (341)	81 (27)	16 (110)
	<b>140 (60)</b>	SP23	26 (98)	7 (48)	26 (98)	89 (32)	7 (49)
		SP33	37 (140)	8 (57)	37 (140)	89 (32)	9 (61)
		SP45	51 (193)	6 (43)	51 (193)	89 (32)	9 (65)
		SP69	75 (284)	7 (50)	75 (284)	89 (32)	14 (100)
		SP150	90 (341)	5 (35)	90 (341)	89 (32)	16 (110)
	<b>150 (66)</b>	SP23	26 (98)	7 (48)	26 (98)	99 (37)	7 (49)
		SP33	37 (140)	8 (57)	37 (140)	99 (37)	9 (61)
		SP45	51 (193)	6 (43)	51 (193)	99 (37)	9 (64)
		SP69	75 (284)	7 (50)	75 (284)	99 (37)	14 (100)
		SP150	90 (341)	5 (35)	90 (341)	99 (37)	16 (110)
	<b>160 (71)</b>	SP23	26 (98)	7 (48)	26 (98)	109 (43)	7 (48)
		SP33	37 (140)	8 (57)	37 (140)	109 (43)	9 (60)
		SP45	51 (193)	6 (43)	51 (193)	109 (43)	9 (64)
		SP69	75 (284)	7 (50)	75 (284)	109 (43)	14 (99)
		SP150	90 (341)	5 (35)	90 (341)	109 (43)	16 (110)
	<b>170 (77)</b>	SP23	26 (98)	7 (48)	26 (98)	119 (48)	7 (48)
		SP33	37 (140)	8 (57)	37 (140)	119 (48)	9 (60)
		SP45	51 (193)	6 (43)	51 (193)	119 (48)	9 (64)
		SP69	75 (284)	7 (50)	75 (284)	119 (48)	14 (99)
		SP150	90 (341)	5 (35)	90 (341)	119 (48)	16 (110)
	<b>180 (82)</b>	SP23	26 (98)	7 (48)	26 (98)	129 (54)	7 (48)
		SP33	37 (140)	8 (57)	37 (140)	129 (54)	9 (60)
		SP45	51 (193)	6 (43)	51 (193)	129 (54)	9 (63)
		SP69	75 (284)	7 (50)	75 (284)	129 (54)	14 (99)
		SP150	90 (341)	5 (35)	90 (341)	129 (54)	16 (110)
	<b>190 (88)</b>	SP23	26 (98)	7 (48)	26 (98)	139 (59)	7 (48)
		SP33	37 (140)	8 (57)	37 (140)	139 (59)	9 (60)
		SP45	51 (193)	6 (43)	51 (193)	139 (59)	9 (63)
		SP69	75 (284)	7 (50)	75 (284)	139 (59)	14 (98)
		SP150	90 (341)	5 (35)	90 (341)	139 (59)	16 (110)
	<b>200 (93)</b>	SP23	26 (98)	7 (48)	26 (98)	148 (65)	7 (47)
		SP33	37 (140)	8 (57)	37 (140)	148 (65)	9 (59)
		SP45	51 (193)	6 (43)	51 (193)	148 (65)	9 (63)
SP69		75 (284)	7 (50)	75 (284)	148 (65)	14 (98)	
SP150		90 (341)	5 (35)	90 (341)	148 (65)	16 (109)	
<b>210 (99)</b>	SP23	26 (98)	7 (48)	26 (98)	158 (70)	7 (47)	
	SP33	37 (140)	8 (57)	37 (140)	158 (70)	9 (59)	
	SP45	51 (193)	6 (43)	51 (193)	158 (70)	9 (63)	
	SP69	75 (284)	7 (50)	75 (284)	158 (70)	14 (98)	
	SP150	90 (341)	5 (35)	90 (341)	158 (70)	16 (109)	
<b>220 (104)</b>	SP23	26 (98)	6 (43)	26 (98)	169 (76)	7 (46)	
	SP33	37 (140)	8 (52)	37 (140)	169 (76)	8 (58)	
	SP45	51 (193)	5 (37)	51 (193)	169 (76)	9 (61)	
	SP69	75 (284)	6 (43)	75 (284)	169 (76)	14 (95)	
	SP150	90 (341)	5 (32)	90 (341)	169 (76)	16 (107)	
<b>230 (110)</b>	SP23	26 (98)	6 (43)	26 (98)	178 (81)	7 (46)	
	SP33	37 (140)	8 (52)	37 (140)	178 (81)	8 (58)	
	SP45	51 (193)	5 (37)	51 (193)	178 (81)	9 (61)	
	SP69	75 (284)	6 (43)	75 (284)	178 (81)	14 (95)	
	SP150	90 (341)	5 (32)	90 (341)	178 (81)	16 (107)	
<b>240 (116)</b>	SP23	26 (98)	6 (43)	26 (98)	188 (87)	7 (46)	
	SP33	37 (140)	8 (52)	37 (140)	188 (87)	8 (57)	
	SP45	51 (193)	5 (36)	51 (193)	188 (87)	9 (60)	
	SP69	75 (284)	6 (42)	75 (284)	188 (87)	14 (95)	
	SP150	90 (341)	5 (31)	90 (341)	188 (87)	16 (107)	
<b>250 (121)</b>	SP23	26 (98)	6 (43)	26 (98)	198 (92)	7 (46)	
	SP33	37 (140)	8 (52)	37 (140)	198 (92)	8 (57)	
	SP45	51 (193)	5 (36)	51 (193)	198 (92)	9 (60)	
	SP69	75 (284)	6 (42)	75 (284)	198 (92)	14 (94)	
	SP150	90 (341)	5 (31)	90 (341)	198 (92)	16 (107)	

DOMESTIC WATER INLET-OUTLET °F (°C)	BOILER WATER INLET TEMP °F (°C)	SINGLE-WALL MODEL	DOMESTIC WATER SIDE		BOILER WATER SIDE		
			FLOW GPM (LPM)	TOTAL PRESSURE DROP PSIG (kPa)	FLOW GPM (LPM)	OUTLET TEMP °F (°C)	TOTAL PRESSURE DROP PSIG (kPa)
<b>60-120 (16-49)</b>	<b>125 (52)</b>	SP23	10 (38)	1 (9)	26 (98)	102 (39)	7 (49)
		SP33	14 (53)	2 (10)	37 (140)	102 (39)	9 (61)
		SP45	20 (76)	1 (7)	51 (193)	101 (38)	9 (65)
		SP69	30 (114)	1 (9)	75 (284)	101 (38)	15 (100)
		SP150	46 (174)	1 (10)	90 (341)	94 (34)	16 (110)
	<b>130 (54)</b>	SP23	13 (49)	2 (14)	26 (98)	100 (38)	7 (49)
		SP33	19 (72)	3 (18)	37 (140)	99 (37)	9 (61)
		SP45	27 (102)	2 (13)	51 (193)	98 (37)	9 (65)
		SP69	41 (155)	2 (16)	75 (284)	97 (36)	15 (100)
		SP150	60 (227)	2 (16)	90 (341)	90 (32)	16 (110)
	<b>140 (60)</b>	SP23	19 (72)	4 (27)	26 (98)	96 (35)	7 (49)
		SP33	28 (106)	5 (35)	37 (140)	94 (34)	9 (61)
		SP45	38 (144)	4 (24)	51 (193)	95 (35)	9 (65)
		SP69	58 (220)	4 (30)	75 (284)	93 (34)	14 (100)
		SP150	82 (310)	4 (29)	90 (341)	85 (29)	16 (110)
	<b>150 (66)</b>	SP23	24 (91)	6 (41)	26 (98)	94 (34)	7 (49)
		SP33	35 (132)	8 (52)	37 (140)	92 (34)	9 (61)
		SP45	49 (185)	6 (40)	51 (193)	91 (33)	9 (64)
		SP69	73 (276)	7 (47)	75 (284)	91 (33)	14 (100)
		SP150	90 (341)	5 (35)	90 (341)	89 (32)	16 (110)
	<b>160 (71)</b>	SP23	26 (98)	7 (48)	26 (98)	99 (37)	7 (48)
		SP33	37 (140)	8 (57)	37 (140)	99 (37)	9 (60)
		SP45	51 (193)	6 (43)	51 (193)	99 (37)	9 (64)
		SP69	75 (284)	7 (49)	75 (284)	99 (37)	14 (99)
		SP150	90 (341)	5 (35)	90 (341)	99 (37)	16 (110)
	<b>170 (77)</b>	SP23	26 (98)	7 (48)	26 (98)	109 (43)	7 (48)
		SP33	37 (140)	8 (57)	37 (140)	109 (43)	9 (60)
		SP45	51 (193)	6 (43)	51 (193)	109 (43)	9 (64)
		SP69	75 (284)	7 (49)	75 (284)	109 (43)	14 (99)
		SP150	90 (341)	5 (35)	90 (341)	109 (43)	16 (110)
	<b>180 (82)</b>	SP23	26 (98)	7 (48)	26 (98)	119 (48)	7 (48)
		SP33	37 (140)	8 (57)	37 (140)	119 (48)	9 (60)
		SP45	51 (193)	6 (43)	51 (193)	119 (48)	9 (63)
		SP69	75 (284)	7 (49)	75 (284)	119 (48)	14 (99)
		SP150	90 (341)	5 (35)	90 (341)	119 (48)	16 (110)
	<b>190 (88)</b>	SP23	26 (98)	7 (48)	26 (98)	128 (54)	7 (48)
		SP33	37 (140)	8 (57)	37 (140)	128 (54)	9 (60)
		SP45	51 (193)	6 (43)	51 (193)	128 (54)	9 (63)
		SP69	75 (284)	7 (49)	75 (284)	128 (54)	14 (98)
		SP150	90 (341)	5 (35)	90 (341)	128 (54)	16 (110)
	<b>200 (93)</b>	SP23	26 (98)	7 (48)	26 (98)	138 (59)	7 (47)
		SP33	37 (140)	8 (57)	37 (140)	138 (59)	9 (59)
		SP45	51 (193)	6 (43)	51 (193)	138 (59)	9 (63)
		SP69	75 (284)	7 (49)	75 (284)	138 (59)	14 (98)
		SP150	90 (341)	5 (35)	90 (341)	138 (59)	16 (109)
	<b>210 (99)</b>	SP23	26 (98)	7 (48)	26 (98)	148 (64)	7 (47)
		SP33	37 (140)	8 (57)	37 (140)	148 (64)	9 (59)
		SP45	51 (193)	6 (43)	51 (193)	148 (64)	9 (63)
SP69		75 (284)	7 (49)	75 (284)	148 (64)	14 (98)	
SP150		90 (341)	5 (35)	90 (341)	148 (64)	16 (109)	
<b>220 (104)</b>	SP23	26 (98)	6 (43)	26 (98)	158 (70)	7 (46)	
	SP33	37 (140)	8 (52)	37 (140)	158 (70)	8 (58)	
	SP45	51 (193)	5 (37)	51 (193)	158 (70)	9 (61)	
	SP69	75 (284)	6 (43)	75 (284)	158 (70)	14 (95)	
	SP150	90 (341)	5 (32)	90 (341)	158 (70)	16 (107)	
<b>230 (110)</b>	SP23	26 (98)	6 (43)	26 (98)	168 (76)	7 (46)	
	SP33	37 (140)	8 (52)	37 (140)	168 (76)	8 (58)	
	SP45	51 (193)	5 (37)	51 (193)	168 (76)	9 (61)	
	SP69	75 (284)	6 (43)	75 (284)	168 (76)	14 (95)	
	SP150	90 (341)	5 (32)	90 (341)	168 (76)	16 (107)	
<b>240 (116)</b>	SP23	26 (98)	6 (43)	26 (98)	178 (81)	7 (46)	
	SP33	37 (140)	8 (52)	37 (140)	178 (81)	8 (58)	
	SP45	51 (193)	5 (37)	51 (193)	178 (81)	9 (60)	
	SP69	75 (284)	6 (42)	75 (284)	178 (81)	14 (95)	
	SP150	90 (341)	5 (31)	90 (341)	178 (81)	16 (107)	
<b>250 (121)</b>	SP23	26 (98)	6 (43)	26 (98)	188 (87)	7 (46)	
	SP33	37 (140)	8 (52)	37 (140)	188 (87)	8 (57)	
	SP45	51 (193)	5 (36)	51 (193)	188 (87)	9 (60)	
	SP69	75 (284)	6 (42)	75 (284)	188 (87)	14 (94)	
	SP150	90 (341)	5 (31)	90 (341)	188 (87)	16 (107)	

DOMESTIC WATER INLET-OUTLET °F (°C)	BOILER WATER INLET TEMP °F (°C)	SINGLE-WALL MODEL	DOMESTIC WATER SIDE		BOILER WATER SIDE		
			FLOW GPM (LPM)	TOTAL PRESSURE DROP PSIG (kPa)	FLOW GPM (LPM)	OUTLET TEMP °F (°C)	TOTAL PRESSURE DROP PSIG (kPa)
<b>60-140 (16-60)</b>	<b>145 (63)</b>	SP23	9 (34)	1 (7)	26 (98)	117 (47)	7 (48)
		SP33	13 (49)	1 (9)	37 (140)	117 (47)	9 (61)
		SP45	18 (68)	1 (6)	51 (193)	116 (47)	9 (64)
		SP69	28 (106)	1 (8)	75 (284)	115 (46)	14 (100)
		SP150	42 (159)	1 (9)	90 (341)	107 (42)	16 (110)
	<b>150 (66)</b>	SP23	12 (45)	2 (12)	26 (98)	113 (45)	7 (49)
		SP33	17 (64)	2 (14)	37 (140)	113 (45)	9 (61)
		SP45	24 (91)	1 (10)	51 (193)	112 (44)	9 (64)
		SP69	37 (140)	2 (13)	75 (284)	110 (43)	14 (100)
		SP150	54 (204)	2 (13)	90 (341)	101 (39)	16 (110)
	<b>160 (71)</b>	SP23	17 (64)	3 (22)	26 (98)	107 (42)	7 (48)
		SP33	24 (91)	4 (26)	37 (140)	107 (42)	9 (60)
		SP45	33 (125)	3 (20)	51 (193)	106 (41)	9 (64)
		SP69	51 (193)	3 (24)	75 (284)	105 (40)	14 (99)
		SP150	72 (273)	3 (23)	90 (341)	95 (35)	16 (110)
	<b>170 (77)</b>	SP23	21 (79)	5 (32)	26 (98)	104 (40)	7 (48)
		SP33	30 (114)	6 (39)	37 (140)	104 (40)	9 (60)
		SP45	42 (159)	4 (29)	51 (193)	103 (39)	9 (64)
		SP69	63 (238)	5 (35)	75 (284)	102 (39)	14 (99)
		SP150	88 (333)	5 (33)	90 (341)	90 (32)	16 (110)
	<b>180 (82)</b>	SP23	24 (91)	6 (41)	26 (98)	105 (40)	7 (48)
		SP33	35 (132)	7 (52)	37 (140)	103 (39)	9 (60)
		SP45	49 (185)	6 (39)	51 (193)	101 (39)	9 (63)
		SP69	74 (280)	7 (48)	75 (284)	99 (37)	14 (99)
		SP150	90 (341)	5 (35)	90 (341)	98 (37)	16 (110)
	<b>190 (88)</b>	SP23	26 (98)	7 (47)	26 (98)	108 (42)	7 (48)
		SP33	37 (140)	8 (57)	37 (140)	108 (42)	9 (60)
		SP45	51 (193)	6 (42)	51 (193)	108 (42)	9 (63)
		SP69	75 (284)	7 (49)	75 (284)	108 (42)	14 (98)
		SP150	90 (341)	5 (35)	90 (341)	108 (42)	16 (110)
	<b>200 (93)</b>	SP23	26 (98)	7 (47)	26 (98)	118 (48)	7 (47)
		SP33	37 (140)	8 (57)	37 (140)	118 (48)	9 (59)
		SP45	51 (193)	6 (42)	51 (193)	118 (48)	9 (63)
		SP69	75 (284)	7 (49)	75 (284)	118 (48)	14 (98)
		SP150	90 (341)	5 (35)	90 (341)	118 (48)	16 (109)
	<b>210 (99)</b>	SP23	26 (98)	7 (47)	26 (98)	128 (53)	7 (47)
		SP33	37 (140)	8 (57)	37 (140)	128 (53)	9 (59)
		SP45	51 (193)	6 (42)	51 (193)	128 (53)	9 (63)
		SP69	75 (284)	7 (49)	75 (284)	128 (53)	14 (98)
		SP150	90 (341)	5 (35)	90 (341)	128 (53)	16 (109)
	<b>220 (104)</b>	SP23	26 (98)	6 (43)	26 (98)	138 (59)	7 (47)
		SP33	37 (140)	8 (53)	37 (140)	138 (59)	8 (58)
		SP45	51 (193)	5 (37)	51 (193)	138 (59)	9 (61)
		SP69	75 (284)	6 (43)	75 (284)	138 (59)	14 (95)
		SP150	90 (341)	5 (32)	90 (341)	138 (59)	16 (107)
	<b>230 (110)</b>	SP23	26 (98)	6 (43)	26 (98)	148 (64)	7 (46)
		SP33	37 (140)	8 (52)	37 (140)	148 (64)	8 (58)
		SP45	51 (193)	5 (37)	51 (193)	148 (64)	9 (61)
SP69		75 (284)	6 (43)	75 (284)	148 (64)	14 (95)	
SP150		90 (341)	5 (32)	90 (341)	148 (64)	16 (107)	
<b>240 (116)</b>	SP23	26 (98)	6 (43)	26 (98)	158 (70)	7 (46)	
	SP33	37 (140)	8 (52)	37 (140)	158 (70)	8 (58)	
	SP45	51 (193)	5 (37)	51 (193)	158 (70)	9 (61)	
	SP69	75 (284)	6 (43)	75 (284)	158 (70)	14 (95)	
	SP150	90 (341)	5 (32)	90 (341)	158 (70)	16 (107)	
<b>250 (121)</b>	SP23	26 (98)	6 (43)	26 (98)	168 (75)	7 (46)	
	SP33	37 (140)	8 (52)	37 (140)	168 (75)	8 (58)	
	SP45	51 (193)	5 (37)	51 (193)	168 (75)	9 (60)	
	SP69	75 (284)	6 (42)	75 (284)	168 (75)	14 (95)	
	SP150	90 (341)	5 (31)	90 (341)	168 (75)	16 (107)	

DOMESTIC WATER INLET-OUTLET °F (°C)	BOILER WATER INLET TEMP °F (°C)	SINGLE-WALL MODEL	DOMESTIC WATER SIDE		BOILER WATER SIDE		
			FLOW GPM (LPM)	TOTAL PRESSURE DROP PSIG (kPa)	FLOW GPM (LPM)	OUTLET TEMP °F (°C)	TOTAL PRESSURE DROP PSIG (kPa)
<b>60-160 (16-71)</b>	<b>165 (74)</b>	SP23	8 (30)	1 (6)	26 (98)	134 (57)	7 (48)
		SP33	12 (45)	1 (8)	37 (140)	132 (56)	9 (60)
		SP45	17 (64)	1 (5)	51 (193)	131 (55)	9 (64)
		SP69	26 (98)	1 (7)	75 (284)	130 (54)	14 (99)
		SP150	40 (151)	1 (8)	90 (341)	120 (49)	16 (110)
	<b>170 (77)</b>	SP23	11 (42)	1 (10)	26 (98)	127 (53)	7 (48)
		SP33	16 (61)	2 (13)	37 (140)	126 (52)	9 (60)
		SP45	23 (87)	1 (9)	51 (193)	124 (51)	9 (64)
		SP69	35 (132)	2 (12)	75 (284)	123 (50)	14 (99)
		SP150	51 (193)	2 (12)	90 (341)	112 (45)	16 (110)
	<b>180 (82)</b>	SP23	15 (57)	3 (18)	26 (98)	121 (50)	7 (48)
		SP33	22 (83)	3 (23)	37 (140)	119 (49)	9 (60)
		SP45	31 (117)	2 (16)	51 (193)	118 (48)	9 (63)
		SP69	47 (178)	3 (20)	75 (284)	116 (47)	14 (99)
		SP150	67 (254)	3 (20)	90 (341)	104 (40)	16 (110)
	<b>190 (88)</b>	SP23	19 (72)	4 (27)	26 (98)	115 (46)	7 (48)
		SP33	27 (102)	5 (32)	37 (140)	115 (46)	9 (60)
		SP45	38 (144)	4 (24)	51 (193)	114 (46)	9 (63)
		SP69	57 (216)	4 (29)	75 (284)	112 (45)	14 (98)
		SP150	80 (303)	4 (28)	90 (341)	99 (37)	16 (110)
	<b>200 (93)</b>	SP23	22 (83)	5 (35)	26 (98)	113 (45)	7 (47)
		SP33	32 (121)	6 (44)	37 (140)	111 (44)	9 (59)
		SP45	44 (167)	5 (32)	51 (193)	112 (44)	9 (63)
		SP69	66 (250)	6 (38)	75 (284)	110 (43)	14 (98)
		SP150	90 (341)	5 (35)	90 (341)	98 (36)	16 (109)
	<b>210 (99)</b>	SP23	25 (95)	6 (44)	26 (98)	111 (44)	7 (47)
		SP33	36 (136)	8 (54)	37 (140)	110 (43)	9 (59)
		SP45	50 (189)	6 (41)	51 (193)	109 (43)	9 (63)
		SP69	75 (284)	7 (49)	75 (284)	107 (42)	14 (98)
		SP150	90 (341)	5 (35)	90 (341)	107 (42)	16 (109)
	<b>220 (104)</b>	SP23	26 (98)	6 (44)	26 (98)	118 (48)	7 (47)
		SP33	37 (140)	8 (53)	37 (140)	118 (48)	8 (58)
		SP45	51 (193)	5 (37)	51 (193)	118 (48)	9 (61)
		SP69	75 (284)	6 (43)	75 (284)	118 (48)	14 (96)
		SP150	90 (341)	5 (32)	90 (341)	118 (48)	16 (108)
	<b>230 (110)</b>	SP23	26 (98)	6 (43)	26 (98)	128 (53)	7 (47)
		SP33	37 (140)	8 (53)	37 (140)	128 (53)	8 (58)
		SP45	51 (193)	5 (37)	51 (193)	128 (53)	9 (61)
		SP69	75 (284)	6 (43)	75 (284)	128 (53)	14 (95)
		SP150	90 (341)	5 (32)	90 (341)	128 (53)	16 (107)
	<b>240 (116)</b>	SP23	26 (98)	6 (43)	26 (98)	138 (59)	7 (46)
		SP33	37 (140)	8 (52)	37 (140)	138 (59)	8 (58)
		SP45	51 (193)	5 (37)	51 (193)	138 (59)	9 (61)
		SP69	75 (284)	6 (43)	75 (284)	138 (59)	14 (95)
		SP150	90 (341)	5 (32)	90 (341)	138 (59)	16 (107)
	<b>250 (121)</b>	SP23	26 (98)	6 (43)	26 (98)	148 (64)	7 (46)
		SP33	37 (140)	8 (52)	37 (140)	148 (64)	8 (58)
		SP45	51 (193)	5 (37)	51 (193)	148 (64)	9 (61)
SP69		75 (284)	6 (43)	75 (284)	148 (64)	14 (95)	
SP150		90 (341)	5 (32)	90 (341)	148 (64)	16 (107)	

DOMESTIC WATER INLET-OUTLET °F (°C)	BOILER WATER INLET TEMP °F (°C)	SINGLE-WALL MODEL	DOMESTIC WATER SIDE		BOILER WATER SIDE		
			FLOW GPM (LPM)	TOTAL PRESSURE DROP PSIG (kPa)	FLOW GPM (LPM)	OUTLET TEMP °F (°C)	TOTAL PRESSURE DROP PSIG (kPa)
<b>60-180 (16-82)</b>	<b>185 (85)</b>	SP23	8 (30)	1 (6)	26 (98)	147 (64)	7 (48)
		SP33	12 (45)	1 (8)	37 (140)	145 (63)	9 (60)
		SP45	17 (64)	1 (5)	51 (193)	144 (62)	9 (63)
		SP69	26 (98)	1 (7)	75 (284)	143 (62)	14 (99)
		SP150	39 (148)	1 (7)	90 (341)	132 (56)	16 (110)
	<b>190 (88)</b>	SP23	10 (38)	1 (9)	26 (98)	143 (62)	7 (48)
		SP33	16 (61)	2 (12)	37 (140)	140 (60)	9 (60)
		SP45	22 (83)	1 (9)	51 (193)	137 (59)	9 (63)
		SP69	33 (125)	2 (10)	75 (284)	136 (58)	14 (98)
		SP150	49 (185)	2 (11)	90 (341)	123 (51)	16 (110)
	<b>200 (93)</b>	SP23	14 (53)	2 (15)	26 (98)	134 (57)	7 (47)
		SP33	21 (79)	3 (21)	37 (140)	130 (55)	9 (59)
		SP45	29 (110)	2 (14)	51 (193)	130 (55)	9 (63)
		SP69	44 (167)	3 (18)	75 (284)	128 (53)	14 (98)
		SP150	63 (238)	3 (18)	90 (341)	114 (46)	16 (109)
	<b>210 (99)</b>	SP23	17 (64)	3 (22)	26 (98)	130 (54)	7 (47)
		SP33	25 (95)	4 (28)	37 (140)	127 (53)	9 (59)
		SP45	35 (132)	3 (21)	51 (193)	126 (52)	9 (63)
		SP69	53 (201)	4 (25)	75 (284)	123 (51)	14 (98)
		SP150	75 (284)	4 (25)	90 (341)	108 (42)	16 (109)
	<b>220 (104)</b>	SP23	22 (83)	5 (32)	26 (98)	117 (47)	7 (47)
		SP33	32 (119)	6 (40)	37 (140)	116 (47)	8 (58)
		SP45	44 (167)	4 (28)	51 (193)	115 (46)	9 (61)
		SP69	66 (248)	5 (33)	75 (284)	114 (45)	14 (95)
		SP150	89 (337)	5 (31)	90 (341)	100 (38)	16 (108)
	<b>230 (110)</b>	SP23	25 (93)	6 (39)	26 (98)	115 (46)	7 (47)
		SP33	36 (134)	7 (49)	37 (140)	113 (45)	8 (58)
		SP45	49 (185)	5 (35)	51 (193)	113 (45)	9 (61)
		SP69	74 (278)	6 (41)	75 (284)	111 (44)	14 (95)
		SP150	90 (341)	5 (32)	90 (341)	108 (42)	16 (108)
	<b>240 (116)</b>	SP23	26 (98)	6 (43)	26 (98)	118 (48)	7 (47)
		SP33	37 (140)	8 (53)	37 (140)	118 (48)	8 (58)
		SP45	51 (193)	5 (37)	51 (193)	118 (48)	9 (61)
		SP69	75 (284)	6 (43)	75 (284)	118 (48)	14 (95)
		SP150	90 (341)	5 (32)	90 (341)	118 (48)	16 (107)
	<b>250 (121)</b>	SP23	26 (98)	6 (43)	26 (98)	128 (53)	7 (46)
		SP33	37 (140)	8 (52)	37 (140)	128 (53)	8 (58)
		SP45	51 (193)	5 (37)	51 (193)	128 (53)	9 (61)
		SP69	75 (284)	6 (43)	75 (284)	128 (53)	14 (95)
		SP150	90 (341)	5 (32)	90 (341)	128 (53)	16 (107)