

Application Data (Cont'd)

TABLE 6 - FLOODED EVAPORATOR WATER FLOW RATE LIMITS GPM (L/S) – BASED UPON STANDARD TUBES @ DESIGN FULL LOAD CONDITIONS

FLOODED EVAPORATORS							CONDENSER						
MODEL	1 PASS		2 PASS		3 PASS		MODEL	1 PASS		2 PASS		3 PASS	
	MIN	MAX	MIN	MAX	MIN	MAX		MIN	MAX	MIN	MAX	MIN	MAX
AP	329 (21)	1316 (83)	164 (10)	587 (37)	110 (7)	380 (24)	AP	479 (30)	1727 (109)	240 (15)	856 (54)	160 (10)	576 (36)
AQ	403 (25)	1613 (102)	202 (13)	713 (45)	134 (8)	460 (29)	AQ	612 (39)	2205 (139)	306 (19)	1068 (67)	204 (13)	732 (46)
AR	493 (31)	1973 (125)	247 (16)	861 (54)	164 (10)	552 (35)	AR	681 (43)	2455 (155)	341 (21)	1173 (74)	227 (14)	812 (51)
AS	602 (38)	2408 (152)	301 (19)	1032 (65)	201 (13)	655 (41)	AS	770 (49)	2773 (175)	385 (24)	1300 (82)	–	–
CP	648 (41)	2594 (164)	324 (20)	1151 (73)	216 (14)	755 (48)	CP	779 (49)	2807 (177)	389 (25)	1397 (88)	260 (16)	922 (58)
CQ	729 (46)	2917 (184)	365 (23)	1286 (81)	243 (15)	844 (53)	CQ	896 (57)	3228 (204)	448 (28)	1590 (100)	299 (19)	1050 (66)
CR	866 (55)	3463 (218)	433 (27)	1509 (95)	289 (18)	992 (63)	CR	1120 (71)	4035 (255)	560 (35)	1941 (122)	373 (24)	1285 (81)
CS	1043 (66)	4170 (263)	521 (33)	1787 (113)	348 (22)	1176 (74)	CS	1397 (88)	5035 (318)	699 (44)	2340 (148)	–	–
DP	648 (41)	2594 (164)	324 (20)	988 (62)	216 (14)	648 (41)	DP	779 (49)	2807 (177)	389 (25)	1203 (76)	260 (16)	793 (50)
DQ	729 (46)	2917 (184)	365 (23)	1106 (70)	243 (15)	725 (46)	DQ	896 (57)	3228 (204)	448 (28)	1372 (87)	299 (19)	906 (57)
DR	866 (55)	3463 (218)	433 (27)	1301 (82)	289 (18)	854 (54)	DR	1120 (71)	4035 (255)	560 (35)	1685 (106)	373 (24)	1114 (70)
DS	1043 (66)	4170 (263)	521 (33)	1547 (98)	348 (22)	1017 (64)	DS	1397 (88)	5035 (318)	699 (44)	2048 (129)	–	–
EP	859 (54)	3438 (217)	430 (27)	1535 (97)	286 (18)	1009 (64)	EP	1120 (71)	4035 (255)	560 (35)	2017 (127)	373 (24)	1337 (84)
EQ	1046 (66)	4183 (264)	523 (33)	1853 (117)	349 (22)	1220 (77)	EQ	1344 (85)	4842 (305)	672 (42)	2394 (151)	448 (28)	1590 (100)
ER	1232 (78)	4927 (311)	616 (39)	2164 (136)	411 (26)	1428 (90)	ER	1583 (100)	5705 (360)	792 (50)	2779 (175)	528 (33)	1853 (117)
ES	1452 (92)	5809 (366)	726 (46)	2519 (159)	484 (31)	1667 (105)	ES	1750 (110)	6308 (398)	875 (55)	3037 (192)	583 (37)	2031 (128)
ET	1676 (106)	6702 (423)	838 (53)	2865 (181)	559 (35)	1903 (120)	ET	1946 (123)	7012 (442)	973 (61)	3328 (210)	–	–
FQ	1046 (66)	4183 (264)	523 (33)	1591 (100)	349 (22)	1046 (66)	FQ	1344 (85)	4842 (305)	672 (42)	2064 (130)	448 (28)	1368 (86)
FR	1232 (78)	4927 (311)	616 (39)	1862 (117)	411 (26)	1226 (77)	FR	1583 (100)	5705 (360)	792 (50)	2405 (152)	528 (33)	1599 (101)
FS	1452 (92)	5809 (366)	726 (46)	2175 (137)	484 (31)	1436 (91)	FS	1750 (110)	6308 (398)	875 (55)	2636 (166)	583 (37)	1756 (111)
FT	1676 (106)	6702 (423)	838 (53)	2482 (157)	559 (35)	1643 (104)	FT	1946 (123)	7012 (442)	973 (61)	2898 (183)	–	–
GQ	1443 (91)	5771 (364)	721 (46)	2504 (158)	481 (30)	1657 (105)	EV	1583 (100)	5705 (360)	792 (50)	2779 (175)	528 (33)	1853 (117)
GR	1629 (103)	6516 (411)	814 (51)	2794 (176)	543 (34)	1855 (117)	EW	1750 (110)	6308 (398)	875 (55)	3037 (192)	583 (37)	2031 (128)

Application Data (Cont'd)

TABLE 6 - FLOODED EVAPORATOR WATER FLOW RATE LIMITS GPM (L/S) – BASED UPON STANDARD TUBES @ DESIGN FULL LOAD CONDITIONS (CONT'D)

FLOODED EVAPORATORS							CONDENSER						
MODEL	1 PASS		2 PASS		3 PASS		MODEL	1 PASS		2 PASS		3 PASS	
	MIN	MAX	MIN	MAX	MIN	MAX		MIN	MAX	MIN	MAX	MIN	MAX
GS	1843 (116)	7372 (465)	922 (58)	3115 (197)	614 (39)	2075 (131)	EX	1946 (123)	7012 (442)	973 (61)	3328 (210)	-	-
	-	-	-	-	-	-	E3	1416 (89)	5101 (322)	708 (45)	2551 (161)	472 (30)	1700 (107)
	-	-	-	-	-	-	E4	1738 (110)	6263 (395)	869 (55)	3131 (198)	-	-
HQ	1443 (91)	5771 (364)	721 (46)	2162 (136)	481 (30)	1427 (90)	FV	1583 (100)	5705 (360)	792 (50)	2405 (152)	528 (33)	1599 (101)
HR	1629 (103)	6516 (411)	814 (51)	2419 (153)	543 (34)	1600 (101)	FW	1750 (110)	6308 (398)	875 (55)	2636 (166)	583 (37)	1756 (111)
HS	1843 (116)	7372 (465)	922 (58)	2707 (171)	614 (39)	1796 (113)	FX	1946 (123)	7012 (442)	973 (61)	2898 (183)	-	-
	-	-	-	-	-	-	F3	1416 (89)	5101 (322)	708 (45)	2551 (161)	472 (30)	1700 (107)
	-	-	-	-	-	-	F4	1738 (110)	6263 (395)	869 (55)	3131 (198)	-	-
JP	1545 (97)	6181 (390)	773 (49)	2735 (173)	515 (32)	1807 (114)	JP	1583 (100)	5705 (360)	792 (50)	2779 (175)	528 (33)	1899 (120)
JQ	1918 (121)	7670 (484)	959 (60)	3349 (211)	639 (40)	2224 (140)	JQ	1892 (119)	6819 (430)	946 (60)	3249 (205)	631 (40)	2253 (142)
JR	2395 (151)	9582 (604)	1198 (76)	4098 (259)	798 (50)	2742 (173)	JR	2479 (156)	8933 (564)	1239 (78)	4054 (256)	826 (52)	2903 (183)
JS	2616 (165)	10463 (660)	1308 (83)	4427 (279)	872 (55)	2974 (188)	JS	2756 (174)	9933 (627)	1378 (87)	4395 (277)	-	-
KP, KT	1545 (97)	6181 (390)	773 (49)	2522 (159)	515 (32)	1664 (105)	KP	1583 (100)	5705 (360)	792 (50)	2574 (162)	528 (33)	1750 (110)
KQ, KV	1918 (121)	7670 (484)	959 (60)	3094 (195)	639 (40)	2051 (129)	KQ	1892 (119)	6819 (430)	946 (60)	3019 (190)	631 (40)	2078 (131)
KR, KW	2395 (151)	9582 (604)	1198 (76)	3797 (240)	798 (50)	2533 (160)	KR	2479 (156)	8933 (564)	1239 (78)	3790 (239)	826 (52)	2684 (169)
KS, KX	2616 (165)	10463 (660)	1308 (83)	4109 (259)	872 (55)	2750 (174)	KS	2756 (174)	9933 (627)	1378 (87)	4121 (260)	-	-
K2, K5	1844 (116)	7374 (465)	922 (58)	3687 (233)	615 (39)	2458 (155)	K2	1617 (102)	5829 (368)	809 (51)	2914 (184)	539 (34)	1943 (123)
K3, K6	2163 (136)	8651 (546)	1081 (68)	4325 (273)	721 (45)	2884 (182)	K3	1927 (122)	6946 (438)	964 (61)	3473 (219)	642 (41)	2315 (146)
K4, K7	2488 (157)	9951 (628)	1244 (78)	4903 (309)	829 (52)	3312 (209)	K4	2584 (163)	9313 (588)	1292 (82)	4657 (294)	-	-
LQ	1918 (121)	7670 (484)	959 (60)	2886 (182)	639 (40)	1910 (120)	K5	2334 (147)	8409 (530)	1167 (74)	4204 (265)	-	-
LR	2395 (151)	9582 (604)	1198 (76)	3550 (224)	798 (50)	2363 (149)	LQ	1892 (119)	6819 (430)	946 (60)	2827 (178)	631 (40)	1936 (122)
LS	2616 (165)	10463 (660)	1308 (83)	3845 (243)	872 (55)	2567 (162)	LR	2479 (156)	8933 (564)	1239 (78)	3567 (225)	826 (52)	2504 (158)
	-	-	-	-	-	-	LS	2756 (174)	9933 (627)	1378 (87)	3888 (245)	-	-
	-	-	-	-	-	-	MP	2192 (138)	7899 (498)	1096 (69)	3626 (229)	731 (46)	2391 (151)

Application Data (Cont'd)

TABLE 6 - FLOODED EVAPORATOR WATER FLOW RATE LIMITS GPM (L/S) – BASED UPON STANDARD TUBES @ DESIGN FULL LOAD CONDITIONS (CONT'D)

FLOODED EVAPORATORS							CONDENSER						
MODEL	1 PASS		2 PASS		3 PASS		MODEL	1 PASS		2 PASS		3 PASS	
	MIN	MAX	MIN	MAX	MIN	MAX		MIN	MAX	MIN	MAX	MIN	MAX
MQ	2426 (153)	9706 (612)	1213 (77)	3906 (246)	809 (51)	2606 (164)	MQ	2570 (162)	9263 (584)	1285 (81)	4206 (265)	857 (54)	2776 (175)
MR	2830 (179)	11319 (714)	1415 (89)	4499 (284)	943 (60)	3022 (191)	MR	2949 (186)	10626 (670)	1474 (93)	4765 (301)	983 (62)	3149 (199)
MS	3246 (205)	12982 (819)	1623 (102)	5088 (321)	1082 (68)	3444 (217)	MS	3271 (206)	11786 (744)	1635 (103)	5225 (330)	–	–
M2	2003 (126)	8013 (506)	1002 (63)	4006 (253)	668 (42)	2671 (169)	M2	2131 (134)	7678 (484)	1065 (67)	3839 (242)	710 (45)	2559 (161)
M3	2375 (150)	9502 (599)	1188 (75)	4751 (300)	792 (50)	3167 (200)	M3	2639 (166)	9510 (600)	1319 (83)	4755 (300)	880 (55)	3170 (200)
M4	2949 (186)	11794 (744)	1474 (93)	5837 (368)	983 (62)	3931 (248)	M4	3246 (205)	11699 (738)	1623 (102)	5849 (369)	–	–
	–	–	–	–	–	–	NP	2192 (138)	7899 (498)	1096 (69)	3381 (213)	731 (46)	2229 (141)
NQ	2426 (153)	9706 (612)	1213 (77)	3644 (230)	809 (51)	2426 (153)	NQ	2570 (162)	9263 (584)	1285 (81)	3927 (248)	857 (54)	2591 (163)
NR	2830 (179)	11319 (714)	1415 (89)	4205 (265)	943 (60)	2815 (178)	NR	2949 (186)	10626 (670)	1474 (93)	4456 (281)	983 (62)	2943 (186)
NS	3246 (205)	12982 (819)	1623 (102)	4763 (300)	1082 (68)	3210 (203)	NS	3271 (206)	11786 (744)	1635 (103)	4892 (309)	–	–
N2	2003 (126)	8013 (506)	1002 (63)	3870 (244)	668 (42)	2580 (163)	N2	2131 (134)	7678 (484)	1065 (67)	3839 (242)	710 (45)	2559 (161)
N3	2375 (150)	9502 (599)	1188 (75)	4527 (286)	792 (50)	3040 (192)	N3	2639 (166)	9510 (600)	1319 (83)	4755 (300)	880 (55)	3170 (200)
N4	2949 (186)	11794 (744)	1474 (93)	5484 (346)	983 (62)	3731 (235)	N4	3246 (205)	11699 (738)	1623 (102)	5849 (369)	–	–
PQ	2755 (174)	11021 (695)	1378 (87)	4391 (277)	918 (58)	2946 (186)	PQ	3662 (231)	13195 (832)	1831 (116)	5954 (376)	1221 (77)	4003 (253)
PR	3131 (198)	12523 (790)	1565 (99)	4928 (311)	1044 (66)	3328 (210)	PR	4097 (258)	14763 (931)	2048 (129)	6587 (416)	1366 (86)	4452 (281)
PS	3360 (212)	13441 (848)	1680 (106)	5246 (331)	1120 (71)	3558 (224)	PS	4545 (287)	16377 (1033)	2272 (143)	7216 (455)	–	–
P2	2523 (159)	10093 (637)	1262 (80)	5046 (318)	841 (53)	3364 (212)	P2	3229 (204)	11635 (734)	1614 (102)	5817 (367)	1076 (68)	3878 (245)
P3	2960 (187)	11842 (747)	1480 (93)	5857 (370)	987 (62)	3947 (249)	P3	3917 (247)	14114 (890)	1958 (124)	7057 (445)	1306 (82)	4705 (297)
P4	3356 (212)	13425 (847)	1678 (106)	6499 (410)	1119 (71)	4475 (282)	P4	4760 (300)	17152 (1082)	2380 (150)	8576 (541)	–	–
QQ	2755 (174)	11021 (695)	1378 (87)	4103 (259)	918 (58)	2744 (173)	QQ	3662 (231)	13195 (832)	1831 (116)	5563 (351)	1221 (77)	3731 (235)
QR	3131 (198)	12523 (790)	1565 (99)	4611 (291)	1044 (66)	3102 (196)	QR	4097 (258)	14763 (931)	2048 (129)	6163 (389)	1366 (86)	4152 (262)
QS	3360 (212)	13441 (848)	1680 (106)	4913 (310)	1120 (71)	3318 (209)	QS	4545 (287)	16377 (1033)	2272 (143)	6762 (427)	–	–
Q2	2523 (159)	10093 (637)	1262 (80)	4780 (302)	841 (53)	3221 (203)	Q2	3229 (204)	11635 (734)	1614 (102)	5817 (367)	1076 (68)	3878 (245)

Application Data (Cont'd)

TABLE 6 - FLOODED EVAPORATOR WATER FLOW RATE LIMITS GPM (L/S) – BASED UPON STANDARD TUBES @ DESIGN FULL LOAD CONDITIONS (CONT'D)

FLOODED EVAPORATORS							CONDENSER						
MODEL	1 PASS		2 PASS		3 PASS		MODEL	1 PASS		2 PASS		3 PASS	
	MIN	MAX	MIN	MAX	MIN	MAX		MIN	MAX	MIN	MAX	MIN	MAX
Q3	2960 (187)	11842 (747)	1480 (93)	5503 (347)	987 (62)	3745 (236)	Q3	3917 (247)	14114 (890)	1958 (124)	7057 (445)	1306 (82)	4705 (297)
Q4	3356 (212)	13425 (847)	1678 (106)	6121 (386)	1119 (71)	4207 (265)	Q4	4760 (300)	17152 (1082)	2380 (150)	8576 (541)	–	–
QT	3602 (227)	14410 (909)	1801 (114)	5225 (330)	1201 (76)	3544 (224)		–	–	–	–	–	–
QV	4142 (261)	16569 (1045)	2071 (131)	5893 (372)	1381 (87)	4037 (255)		–	–	–	–	–	–
RQ	3770 (238)	15080 (951)	1885 (119)	5689 (359)	1257 (79)	3737 (236)	RQ	4907 (310)	17684 (1116)	2454 (155)	7428 (469)	1636 (103)	4917 (310)
RS	4605 (291)	18418 (1162)	2302 (145)	6863 (433)	1535 (97)	4517 (285)	RR	5390 (340)	19423 (1225)	2695 (170)	8086 (510)	1797 (113)	5360 (338)
RV	5405 (341)	21621 (1364)	2703 (171)	7946 (501)	1802 (114)	5240 (331)	RS	5753 (363)	20730 (1308)	2876 (181)	8570 (541)	–	–
R3	3870 (244)	15482 (977)	1935 (122)	7403 (467)	1290 (81)	4872 (307)	R2	4228 (267)	15235 (961)	2114 (133)	7618 (481)	1409 (89)	5078 (320)
R5	4603 (290)	18413 (1162)	2302 (145)	8650 (546)	1534 (97)	5708 (360)	R3	4996 (315)	18005 (1136)	2498 (158)	9002 (568)	1665 (105)	6002 (379)
R7	5241 (331)	20965 (1323)	2621 (165)	9682 (611)	1747 (110)	6404 (404)	R4	5914 (373)	21311 (1344)	2957 (187)	10655 (672)	–	–
RP	3103 (196)	12411 (783)	1551 (98)	4722 (298)	1034 (65)	3098 (195)	R5	4569 (288)	16464 (1038)	2285 (144)	8232 (519)	–	–
RR	3829 (242)	15316 (966)	1914 (121)	5774 (364)	1276 (81)	3793 (239)		–	–	–	–	–	–
RT	4633 (292)	18530 (1169)	2316 (146)	6902 (435)	1544 (97)	4542 (287)		–	–	–	–	–	–
R2	3800 (240)	15198 (959)	1900 (120)	7278 (459)	1267 (80)	4789 (302)		–	–	–	–	–	–
R4	4296 (271)	17183 (1084)	2148 (136)	8135 (513)	1432 (90)	5362 (338)		–	–	–	–	–	–
R6	4816 (304)	19263 (1215)	2408 (152)	9000 (568)	1605 (101)	5943 (375)		–	–	–	–	–	–
SQ	3770 (238)	15080 (951)	1885 (119)	5345 (337)	1257 (79)	3510 (221)	SQ	4907 (310)	17684 (1116)	2454 (155)	6992 (441)	1636 (103)	4626 (292)
SS	4605 (291)	18418 (1162)	2302 (145)	6457 (407)	1535 (97)	4247 (268)	SR	5390 (340)	19423 (1225)	2695 (170)	7619 (481)	1797 (113)	5047 (318)
SV	5405 (341)	21621 (1364)	2703 (171)	7487 (472)	1802 (114)	4933 (311)	SS	5753 (363)	20730 (1308)	2876 (181)	8081 (510)	–	–
S3	3870 (244)	15482 (977)	1935 (122)	6975 (440)	1290 (81)	4588 (289)	S2	4228 (267)	15235 (961)	2114 (133)	7549 (476)	1409 (89)	4993 (315)
S5	4603 (290)	18413 (1162)	2302 (145)	8166 (515)	1534 (97)	5384 (340)	S3	4996 (315)	18005 (1136)	2498 (158)	8795 (555)	1665 (105)	5832 (368)
S7	5241 (331)	20965 (1323)	2621 (165)	9157 (578)	1747 (110)	6050 (382)	S4	5914 (373)	21311 (1344)	2957 (187)	10192 (643)	–	–
	–	–	–	–	–	–	TP	5396 (340)	19446 (1227)	2698 (170)	8095 (511)	1799 (113)	5470 (345)

Application Data (Cont'd)

TABLE 6 - FLOODED EVAPORATOR WATER FLOW RATE LIMITS GPM (L/S) – BASED UPON STANDARD TUBES @ DESIGN FULL LOAD CONDITIONS (CONT'D)

FLOODED EVAPORATORS							CONDENSER						
MODEL	1 PASS		2 PASS		3 PASS		MODEL	1 PASS		2 PASS		3 PASS	
	MIN	MAX	MIN	MAX	MIN	MAX		MIN	MAX	MIN	MAX	MIN	MAX
	-	-	-	-	-	-	TQ	5973 (377)	21525 (1358)	2987 (188)	8859 (559)	1991 (126)	6020 (380)
	-	-	-	-	-	-	TR	6576 (415)	23696 (1495)	3288 (207)	9629 (607)	2192 (138)	6583 (415)
	-	-	-	-	-	-	TS	6929 (437)	24969 (1575)	3464 (219)	10067 (635)	-	-
	-	-	-	-	-	-	T2	4607 (291)	16602 (1047)	2304 (145)	8301 (524)	1536 (97)	5534 (349)
	-	-	-	-	-	-	T3	5710 (360)	20578 (1298)	2855 (180)	10289 (649)	1903 (120)	6859 (433)
	-	-	-	-	-	-	T4	6299 (397)	22700 (1432)	3150 (199)	11300 (713)	2100 (132)	7567 (477)
	-	-	-	-	-	-	T5	7093 (447)	25559 (1613)	3546 (224)	12421 (784)	-	-
	-	-	-	-	-	-	VP	5396 (340)	19446 (1227)	2698 (170)	7628 (481)	1799 (113)	5140 (324)
	-	-	-	-	-	-	VQ	5973 (377)	21525 (1358)	2987 (188)	8358 (527)	1991 (126)	5660 (357)
	-	-	-	-	-	-	VR	6576 (415)	23696 (1495)	3288 (207)	9097 (574)	2192 (138)	6194 (391)
	-	-	-	-	-	-	VS	6929 (437)	24969 (1575)	3464 (219)	9518 (600)	-	-
	-	-	-	-	-	-	V2	4607 (291)	16602 (1047)	2304 (145)	8143 (514)	1536 (97)	5497 (347)
	-	-	-	-	-	-	V3	5710 (360)	20578 (1298)	2855 (180)	9865 (622)	1903 (120)	6749 (426)
	-	-	-	-	-	-	V4	6299 (397)	22700 (1432)	3150 (199)	10725 (677)	2100 (132)	7395 (467)
	-	-	-	-	-	-	V5	7093 (447)	25559 (1613)	3546 (224)	11818 (746)	-	-
WP	3103 (196)	12411 (783)	1551 (98)	3973 (251)	1034 (65)	2605 (164)	WQ	5368 (339)	19343 (1220)	2684 (169)	6844 (432)	1789 (113)	4591 (290)
WR	3829 (242)	15316 (966)	1914 (121)	4871 (307)	1276 (81)	3197 (202)	WR	5891 (372)	21230 (1339)	2946 (186)	7456 (470)	1964 (124)	5020 (317)
WT	4633 (292)	18530 (1169)	2316 (146)	5842 (369)	1544 (97)	3840 (242)	WS	6415 (405)	23117 (1458)	3207 (202)	8054 (508)	-	-
W1	3173 (200)	12693 (801)	1587 (100)	5209 (329)	1058 (67)	3419 (216)	W1	4250 (268)	15314 (966)	2125 (134)	6785 (428)	1417 (89)	4540 (286)
W2	3800 (240)	15198 (959)	1900 (120)	6180 (390)	1267 (80)	4062 (256)	W2	5260 (332)	18955 (1196)	2630 (166)	8290 (523)	1753 (111)	5603 (354)
W4	4296 (271)	17183 (1084)	2148 (136)	6929 (437)	1432 (90)	4559 (288)	W3	6140 (387)	22127 (1396)	3070 (194)	9526 (601)	2047 (129)	6502 (410)
W6	4816 (304)	19263 (1215)	2408 (152)	7693 (485)	1605 (101)	5069 (320)	W4	6785 (428)	24450 (1543)	3392 (214)	10386 (655)	-	-
XQ	4769 (301)	19076 (1204)	2385 (150)	7089 (447)	1590 (100)	4667 (294)	XQ	6241 (394)	22491 (1419)	3121 (197)	9429 (595)	2080 (131)	6272 (396)

Application Data (Cont'd)

TABLE 6 - FLOODED EVAPORATOR WATER FLOW RATE LIMITS GPM (L/S) – BASED UPON STANDARD TUBES @ DESIGN FULL LOAD CONDITIONS (CONT'D)

FLOODED EVAPORATORS							CONDENSER						
MODEL	1 PASS		2 PASS		3 PASS		MODEL	1 PASS		2 PASS		3 PASS	
	MIN	MAX	MIN	MAX	MIN	MAX		MIN	MAX	MIN	MAX	MIN	MAX
XR	5272 (333)	21087 (1330)	2636 (166)	7769 (490)	1757 (111)	5121 (323)	XR	6967 (440)	25105 (1584)	3483 (220)	10411 (657)	2322 (147)	6943 (438)
XS	5740 (362)	22961 (1449)	2870 (181)	8386 (529)	1913 (121)	5534 (349)	XS	7900 (498)	28470 (1796)	3950 (249)	11627 (734)	–	–
X2	4769 (301)	19074 (1203)	2384 (150)	8923 (563)	1590 (100)	5891 (372)	X2	4969 (313)	17905 (1130)	2484 (157)	8952 (565)	1656 (104)	5968 (377)
X3	5637 (356)	22549 (1423)	2819 (178)	10296 (650)	1879 (119)	6820 (430)	X3	6487 (409)	23378 (1475)	3244 (205)	11689 (737)	2162 (136)	7793 (492)
X4	6281 (396)	25125 (1585)	3141 (198)	11250 (710)	2094 (132)	7470 (471)	X4	8099 (511)	29185 (1841)	4049 (255)	14441 (911)	–	–
ZQ	4769 (301)	19076 (1204)	2385 (150)	6671 (421)	1590 (100)	4390 (277)	ZQ	6241 (394)	22491 (1419)	3121 (197)	8878 (560)	2080 (131)	5899 (372)
ZR	5272 (333)	21087 (1330)	2636 (166)	7318 (462)	1757 (111)	4820 (304)	ZR	6967 (440)	25105 (1584)	3483 (220)	9814 (619)	2322 (147)	6536 (412)
ZS	5740 (362)	22961 (1449)	2870 (181)	7907 (499)	1913 (121)	5214 (329)	ZS	7900 (498)	28470 (1796)	3950 (249)	10978 (693)	–	–
Z1	3959 (250)	15836 (999)	1980 (125)	7122 (449)	1320 (83)	4686 (296)	Z1	4138 (261)	14912 (941)	2069 (131)	7435 (469)	1379 (87)	4914 (310)
Z2	4769 (301)	19074 (1203)	2384 (150)	8427 (532)	1590 (100)	5559 (351)	Z2	4969 (313)	17905 (1130)	2484 (157)	8866 (559)	1656 (104)	5880 (371)
Z3	5637 (356)	22549 (1423)	2819 (178)	9748 (615)	1879 (119)	6450 (407)	Z3	6487 (409)	23378 (1475)	3244 (205)	11332 (715)	2162 (136)	7567 (477)
Z4	6281 (396)	25125 (1585)	3141 (198)	10672 (673)	2094 (132)	7077 (447)	Z4	8099 (511)	29185 (1841)	4049 (255)	13715 (865)	–	–

Application Data (Cont'd)

TABLE 7 - HYBRID FALLING FILM EVAPORATOR WATER FLOW RATE LIMITS GPM (L/S) – BASED UPON STANDARD TUBES @ DESIGN FULL LOAD CONDITIONS

HYBRID FALLING FILM EVAPORATORS						
MODEL	1 PASS		2 PASS		3 PASS	
	MIN	MAX	MIN	MAX	MIN	MAX
AC	705 (44)	2819 (178)	352 (22)	1194 (75)	235 (15)	825 (52)
AD	882 (56)	3527 (223)	441 (28)	1436 (91)	294 (19)	1018 (64)
A3	674 (43)	2695 (170)	337 (21)	1347 (85)	225 (14)	898 (57)
A4	812 (51)	3248 (205)	406 (26)	1624 (102)	271 (17)	1083 (68)
CC	796 (50)	3186 (201)	398 (25)	1410 (89)	265 (17)	945 (60)
CD	999 (63)	3995 (252)	499 (32)	1734 (109)	333 (21)	1178 (74)
CE	1270 (80)	5082 (321)	635 (40)	2140 (135)	423 (27)	1484 (94)
C3	746 (47)	2983 (188)	373 (24)	1492 (94)	249 (16)	994 (63)
C4	938 (59)	3753 (237)	469 (30)	1877 (118)	313 (20)	1251 (79)
C5	1221 (77)	4884 (308)	611 (39)	2442 (154)	407 (26)	1628 (103)
DC	796 (50)	3186 (201)	398 (25)	1214 (77)	265 (17)	809 (51)
DD	999 (63)	3995 (252)	499 (32)	1501 (95)	333 (21)	1010 (64)
DE	1270 (80)	5082 (321)	635 (40)	1865 (118)	423 (27)	1275 (80)
D3	746 (47)	2983 (188)	373 (24)	1463 (92)	249 (16)	982 (62)
D4	938 (59)	3753 (237)	469 (30)	1803 (114)	313 (20)	1228 (77)
D5	1221 (77)	4884 (308)	611 (39)	2261 (143)	407 (26)	1578 (100)
EC	980 (62)	3919 (247)	490 (31)	1758 (111)	327 (21)	1168 (74)
ED	1296 (82)	5183 (327)	648 (41)	2289 (144)	432 (27)	1537 (97)
EE	1637 (103)	6548 (413)	819 (52)	2831 (179)	546 (34)	1929 (122)
E3	986 (62)	3946 (249)	493 (31)	1973 (124)	329 (21)	1315 (83)
E4	1233 (78)	4932 (311)	617 (39)	2466 (156)	411 (26)	1644 (104)
E5	1522 (96)	6087 (384)	761 (48)	3044 (192)	507 (32)	2029 (128)
FC	980 (62)	3919 (247)	490 (31)	1508 (95)	327 (21)	998 (63)
FD	1296 (82)	5183 (327)	648 (41)	1972 (124)	432 (27)	1316 (83)
FE	1637 (103)	6548 (413)	819 (52)	2452 (155)	546 (34)	1654 (104)

Application Data (Cont'd)

TABLE 7 - HYBRID FALLING FILM EVAPORATOR WATER FLOW RATE LIMITS GPM (L/S) – BASED UPON STANDARD TUBES @ DESIGN FULL LOAD CONDITIONS (CONT'D)

HYBRID FALLING FILM EVAPORATORS						
MODEL	1 PASS		2 PASS		3 PASS	
	MIN	MAX	MIN	MAX	MIN	MAX
F3	986 (62)	3946 (249)	493 (31)	1956 (123)	329 (21)	1304 (82)
F4	1233 (78)	4932 (311)	617 (39)	2410 (152)	411 (26)	1622 (102)
F5	1522 (96)	6087 (384)	761 (48)	2914 (184)	507 (32)	1989 (125)
GC	1293 (82)	5170 (326)	646 (41)	2284 (144)	431 (27)	1533 (97)
GD	1618 (102)	6472 (408)	809 (51)	2802 (177)	539 (34)	1907 (120)
GE	2108 (133)	8432 (532)	1054 (66)	3521 (222)	703 (44)	2455 (155)
G3	1269 (80)	5077 (320)	635 (40)	2538 (160)	423 (27)	1692 (107)
G4	1588 (100)	6352 (401)	794 (50)	3176 (200)	529 (33)	2117 (134)
G5	1973 (124)	7892 (498)	986 (62)	3946 (249)	658 (41)	2631 (166)
HC	1293 (82)	5170 (326)	646 (41)	1967 (124)	431 (27)	1312 (83)
HD	1618 (102)	6472 (408)	809 (51)	2426 (153)	539 (34)	1635 (103)
HE	2108 (133)	8432 (532)	1054 (66)	3075 (194)	703 (44)	2112 (133)
H3	1269 (80)	5077 (320)	635 (40)	2474 (156)	423 (27)	1668 (105)
H4	1588 (100)	6352 (401)	794 (50)	3025 (191)	529 (33)	2072 (131)
H5	1973 (124)	7892 (498)	986 (62)	3637 (229)	658 (41)	2546 (161)
KC	2117 (134)	8470 (534)	1059 (67)	3424 (216)	706 (45)	2305 (145)
KD	2784 (176)	11137 (703)	1392 (88)	4378 (276)	928 (59)	3004 (190)
K8	1540 (97)	6159 (389)	770 (49)	3080 (194)	513 (32)	2053 (130)
K9	2057 (130)	8228 (519)	1029 (65)	4114 (260)	686 (43)	2743 (173)
K0	2695 (170)	10779 (680)	1347 (85)	5316 (335)	898 (57)	3593 (227)
IB	2124 (134)	8496 (536)	1062 (67)	3274 (207)	707 (45)	2170 (137)
IC	2235 (141)	8939 (564)	1116 (71)	3427 (216)	745 (47)	2281 (144)
ID	2378 (150)	9510 (600)	1189 (75)	3633 (229)	793 (50)	2419 (153)
IF	2793 (176)	11171 (705)	1395 (88)	4193 (265)	929 (59)	2807 (177)
IH	2916 (184)	11666 (736)	1458 (92)	4360 (275)	–	–

Application Data (Cont'd)

TABLE 7 - HYBRID FALLING FILM EVAPORATOR WATER FLOW RATE LIMITS GPM (L/S) – BASED UPON STANDARD TUBES @ DESIGN FULL LOAD CONDITIONS (CONT'D)

HYBRID FALLING FILM EVAPORATORS						
MODEL	1 PASS		2 PASS		3 PASS	
	MIN	MAX	MIN	MAX	MIN	MAX
I2	1547 (98)	6187 (390)	773 (49)	3093 (195)	514 (32)	2054 (130)
I4	1812 (114)	7250 (457)	906 (57)	3606 (228)	604 (38)	2399 (151)
I6	2066 (130)	8265 (521)	1033 (65)	4060 (256)	689 (43)	2713 (171)
I8	2864 (181)	11455 (723)	1432 (90)	5367 (339)	–	–
MB	2479 (156)	9916 (626)	1239 (78)	3833 (242)	824 (52)	2550 (161)
MD	2891 (182)	11564 (730)	1446 (91)	4418 (279)	964 (61)	2965 (187)
MF	3370 (213)	13479 (850)	1683 (106)	5067 (320)	–	–
M5	2048 (129)	8192 (517)	1021 (64)	4084 (258)	683 (43)	2731 (172)
M7	2429 (153)	9715 (613)	1214 (77)	4790 (302)	810 (51)	3226 (204)
M8	3015 (190)	12059 (761)	1504 (95)	5780 (365)	1003 (63)	3947 (249)
M9	3420 (216)	13678 (863)	1710 (108)	6434 (406)	–	–
NB	2479 (156)	9916 (626)	1239 (78)	3577 (226)	824 (52)	2374 (150)
ND	2891 (182)	11564 (730)	1446 (91)	4129 (261)	964 (61)	2763 (174)
NF	3370 (213)	13479 (850)	1683 (106)	4744 (299)	–	–
N5	2048 (129)	8192 (517)	1021 (64)	3827 (241)	683 (43)	2558 (161)
N7	2429 (153)	9715 (613)	1214 (77)	4492 (283)	810 (51)	3015 (190)
N8	3015 (190)	12059 (761)	1504 (95)	5437 (343)	1003 (63)	3695 (233)
N9	3420 (216)	13678 (863)	1710 (108)	6065 (383)	–	–
PB	2815 (178)	11260 (710)	1407 (89)	4312 (272)	938 (59)	2890 (182)
PD	3199 (202)	12794 (807)	1598 (101)	4837 (305)	1065 (67)	3263 (206)
PF	3680 (232)	14722 (929)	1839 (116)	5639 (356)	1227 (77)	3728 (235)
P5	2580 (163)	10319 (651)	1287 (81)	5045 (318)	858 (54)	3409 (215)
P7	3027 (191)	12107 (764)	1510 (95)	5800 (366)	1009 (64)	3969 (250)
P8	3625 (229)	14500 (915)	1812 (114)	6745 (426)	1208 (76)	4682 (295)
QB	2815 (178)	11260 (710)	1407 (89)	4029 (254)	938 (59)	2693 (170)

Application Data (Cont'd)

TABLE 7 - HYBRID FALLING FILM EVAPORATOR WATER FLOW RATE LIMITS GPM (L/S) – BASED UPON STANDARD TUBES @ DESIGN FULL LOAD CONDITIONS (CONT'D)

HYBRID FALLING FILM EVAPORATORS						
MODEL	1 PASS		2 PASS		3 PASS	
	MIN	MAX	MIN	MAX	MIN	MAX
QD	3199 (202)	12794 (807)	1598 (101)	4526 (286)	1065 (67)	3042 (192)
QF	3680 (232)	14722 (929)	1839 (116)	5268 (332)	1227 (77)	3479 (220)
QH	1902 (120)	7608 (480)	951 (60)	2799 (177)	–	–
Q5	2580 (163)	10319 (651)	1287 (81)	4734 (299)	–	–
Q7	3027 (191)	12107 (764)	1510 (95)	5456 (344)	1009 (64)	3716 (234)

Application Data (Cont'd)

TABLE 8 - HEAT RECOVERY WATER FLOW RATE LIMITS GPM (L/S) – BASED UPON STANDARD TUBES @ DESIGN FULL LOAD CONDITIONS

MODEL	HEAT RECOVERY CONDENSER - TOWER BUNDLE						HEAT RECOVERY CONDENSER - HEATING BUNDLE					
	1 PASS		2 PASS		3 PASS		1 PASS		2 PASS		3 PASS	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
BW	1435 (91)	5171 (326)	717 (45)	2392 (151)	478 (30)	1590 (100)	555 (35)	2000 (126)	278 (18)	1000 (63)	185 (12)	665 (42)
BX	1435 (91)	5171 (326)	717 (45)	2392 (151)	478 (30)	1590 (100)	861 (54)	3103 (196)	430 (27)	1529 (96)	287 (18)	1010 (64)
IW	2123 (134)	7649 (483)	1061 (67)	3579 (226)	708 (45)	2409 (152)	763 (48)	2750 (174)	382 (24)	1367 (86)	254 (16)	917 (58)
IX	2123 (134)	7649 (483)	1061 (67)	3579 (226)	708 (45)	2409 (152)	1344 (85)	4842 (305)	672 (42)	2260 (143)	448 (28)	1586 (100)
OW	3129 (197)	11274 (711)	1564 (99)	4892 (309)	1043 (66)	3322 (210)	940 (59)	3387 (214)	470 (30)	1571 (99)	313 (20)	1038 (65)
OX	3129 (197)	11274 (711)	1564 (99)	4892 (309)	1043 (66)	3322 (210)	1984 (125)	7149 (451)	992 (63)	3138 (198)	661 (42)	2102 (133)
O8	3053 (193)	11002 (694)	1527 (96)	5501 (347)	1018 (64)	3667 (231)	1122 (71)	4043 (255)	561 (35)	2021 (128)	374 (24)	1348 (85)
O9	3053 (193)	11002 (694)	1527 (96)	5501 (347)	1018 (64)	3667 (231)	1791 (113)	6455 (407)	896 (57)	3228 (204)	597 (38)	2152 (136)
UW	3293 (208)	11865 (749)	1646 (104)	5256 (332)	1098 (69)	3477 (219)	1069 (67)	3853 (243)	535 (34)	1799 (113)	356 (22)	1188 (75)
UX	3293 (208)	11865 (749)	1646 (104)	5256 (332)	1098 (69)	3477 (219)	2091 (132)	7535 (475)	1045 (66)	3415 (215)	697 (44)	2281 (144)
U8	3403 (215)	12263 (774)	1701 (107)	6131 (387)	1134 (72)	4088 (258)	1178 (74)	4244 (268)	589 (37)	2122 (134)	393 (25)	1415 (89)
U9	3403 (215)	12263 (774)	1701 (107)	6131 (387)	1134 (72)	4088 (258)	1891 (119)	6813 (430)	945 (60)	3406 (215)	630 (40)	2271 (143)
YW	7705 (486)	27765 (1752)	3852 (243)	10738 (677)	2568 (162)	7169 (452)	2596 (164)	9353 (590)	1298 (82)	3797 (240)	865 (55)	2513 (159)
YX	7705 (486)	27765 (1752)	3852 (243)	10738 (677)	2568 (162)	7169 (452)	4917 (310)	17718 (1118)	2458 (155)	6991 (441)	1639 (103)	4693 (296)
Y8	7963 (502)	28696 (1810)	3982 (251)	13330 (841)	2654 (167)	8951 (565)	3236 (204)	11660 (736)	1618 (102)	5830 (368)	1079 (68)	3887 (245)
Y9	7963 (502)	28696 (1810)	3982 (251)	13330 (841)	2654 (167)	8951 (565)	5244 (331)	18897 (1192)	2622 (165)	9287 (586)	1748 (110)	6299 (397)

Application Data (Cont'd)

TABLE 9 - 60 HZ ELECTRICAL DATA

MOTOR CODE	CF	CG	CH	CJ	CK	CL	CM	CN	CP	CR	CS	CT	CU	CV	CW	
SHAFT HP (MAX)	154	177	201	237	270	302	327	351	385	424	468	503	554	608	655	
INPUT KW (MAX)	123	140	161	190	214	240	257	276	302	333	367	395	435	477	514	
F.L. EFF. - % ¹	93.6	94.5	93.3	93	94	94	95	95	95	95	95	95	95	95	95	
F.L. POWER FACTOR ¹	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.87	0.87	
VOLTS	AMPERES (MAXIMUM)															
200	FLA	405	465	527	618	707	787	831	921	1014	1085	1208	-	-	-	-
	LRA	2598	3111	3111	3810	4550	4900	5470	5780	5780	7350	7794	-	-	-	-
208	FLA	389	447	507	594	680	757	799	886	975	1043	1162	-	-	-	-
	LRA	2702	3235	3235	3962	4732	5096	5689	6011	6011	7644	8106	-	-	-	-
230	FLA	352	404	464	540	610	685	749	804	882	944	1050	1130	-	-	-
	LRA	2598	2598	2865	3460	3788	4260	4755	5162	5780	5780	6900	7400	-	-	-
240	FLA	337	387	445	518	585	656	718	771	845	905	1006	1083	-	-	-
	LRA	2711	2711	3120	3610	3953	4445	4962	5386	6031	6031	7200	7722	-	-	-
380	FLA	217	249	285	336	378	421	453	487	534	571	636	684	756	817	879
	LRA	1385	1385	1730	2153	2500	2577	2955	3254	3637	3810	4179	4480	4671	5326	5780
416	FLA	199	228	260	307	346	385	412	445	488	522	581	625	691	747	810
	LRA	1385	1385	1638	1967	2190	2356	2700	2976	3536	3637	3810	3810	4270	4869	5640
440	FLA	184	211	238	281	319	358	392	397	461	493	549	591	646	706	759
	LRA	1177	1301	1320	1655	1865	2037	2485	2485	2976	2976	3300	3644	3644	4209	4783
460	FLA	176	202	228	269	305	342	375	380	441	472	525	565	618	675	726
	LRA	1230	1360	1380	1730	1950	2130	2598	2598	3111	3111	3450	3500	3810	4400	4880
480	FLA	169	194	219	258	292	328	359	364	423	452	503	541	592	647	696
	LRA	1283	1419	1440	1805	2035	2223	2711	2711	3246	3246	3600	3976	3976	4591	5217
575	FLA	141	162	185	216	250	274	300	318	353	377	420	452	500	540	581
	LRA	909	909	1100	1384	1556	1700	1900	2066	2078	2413	2760	2960	3089	3550	4039
600	FLA	135	155	177	207	240	263	288	305	338	361	403	433	479	518	557
	LRA	949	949	1148	1444	1624	1774	1983	2156	2168	2518	2880	3089	3223	3704	4215
2300	FLA	36	41.1	46	55	63	70	73.9	80	87	95	106	113	124	135	146
	LRA	240	267	298	340	397	435	480	520	543	590	669	719	791	867	935
3300	FLA	25.5	29	33	39	44	49	52	55.3	61	67	72.8	79	86.1	94.4	102
	LRA	160	175	210	240	280	310	310	343	382	415	466	501	551	576	652
4000	FLA	21	24	26.7	32	36	40	42.5	46	50.1	55	60.1	65.2	71	77.9	84
	LRA	135	154	166	195	230	240	270	283	315	340	384	413	455	499	538
4160	FLA	20.2	23	25.7	30.8	34.6	38.5	40.9	44.2	48.2	52.9	57.8	62.7	68.3	74.9	80.8
	LRA	140	160	173	203	239	250	270	294	328	328	399	430	473	519	560

TABLE 10 - 50 HZ ELECTRICAL DATA

MOTOR CODE	5CC	5CD	5CE	5CF	5CG	5CH	5CI	5CJ	5CK	5CL	5CM	5CN	5CO	5CP	5CQ	5CR	5CS	
SHAFT HP (MAX)	148	168	198	225	252	272	292	321	353	390	419	462	507	546	575	617	658	
INPUT KW (MAX)	119	135	158	179	201	215	231	254	279	309	332	363	398	429	451	484	516	
F.L. EFF. - % ¹	93	93	93.4	93.7	93.7	94.2	94.2	94.2	94.2	94.2	94.2	95	95	95	95	95	95	
F.L. POWER FACTOR ¹	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.88	
VOLTS	AMPERES (MAXIMUM)																	
346	FLA	230	261	306	347	389	418	448	493	536	592	636	696	763	822	866	929	979
	LRA	1385	1721	1790	2208	2467	2598	2840	3081	3350	3706	3810	4177	4830	4944	5373	5780	5780
380	FLA	210	238	278	316	354	380	408	449	488	539	579	633	695	748	788	846	892
	LRA	1385	1385	1640	1890	2144	2464	2590	2806	3050	3375	3700	3810	4400	4500	4892	5600	5491
400	FLA	200	226	264	300	336	361	388	427	464	512	550	601	660	711	749	804	847
	LRA	1458	1458	1726	1990	2257	2594	2726	2954	3211	3533	3895	4011	4632	4737	5149	5895	5780
415	FLA	192	218	255	290	324	348	374	411	447	494	530	580	636	685	722	774	817
	LRA	1283	1385	1490	1700	2031	2175	2366	2569	2794	3088	3402	3478	3810	4117	4480	5130	5108
3300	FLA	24.1	27.4	32.2	36.4	40.8	43.8	47	51.7	56.2	62.1	66.7	72.9	80	86.2	90.8	97.4	103
	LRA	159	162	209	236	241	274	294	318	317	388	423	455	499	516	572	614	644

NOTES:

- High voltage and special motor designs may not meet efficiency, power factor or amperes values shown for standard motors.
- Min. reduced voltage tap 80%.

Application Data (Cont'd)

TABLE 9 - 60 HZ ELECTRICAL DATA (CONT'D)

MOTOR CODE	CX	CY	CZ	CA	CB	DA	DB	DC	DD	DE	DF	DH	DJ	DK	DL	
SHAFT HP (MAX)	690	740	790	845	900	1000	1100	1200	1300	1400	1500	1750	2000	2250	2500	
INPUT KW (MAX)	542	578	618	660	703	781	859	937	1015	1093	1171	1359	1554	1748	1942	
F.L. EFF. - % ¹	95	95.5	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96	96	96	96	
F.L. POWER FACTOR ¹	0.87	0.88	0.88	0.89	0.89	0.87	0.87	0.87	0.88	0.88	0.88	0.87	0.89	0.89	0.89	
VOLTS		AMPERES (MAXIMUM)														
200	FLA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	LRA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
208	FLA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	LRA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
230	FLA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	LRA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
240	FLA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	LRA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
380	FLA	942	997	1065	1126	1200	1364	1500	1636	-	-	-	-	-	-	
	LRA	5780	5780	6644	7610	7513	7794	8491	9431	-	-	-	-	-	-	
416	FLA	860	911	973	1029	1096	1246	1370	1495	-	-	-	-	-	-	
	LRA	5670	5694	6069	6900	6863	7120	7755	8618	-	-	-	-	-	-	
440	FLA	813	861	920	973	1036	1178	1295	1413	-	-	-	-	-	-	
	LRA	5357	4783	5249	5791	5529	6160	6709	7455	-	-	-	-	-	-	
460	FLA	778	824	880	931	991	1127	1239	1352	-	-	-	-	-	-	
	LRA	4960	5280	5330	6054	5780	6440	7014	7794	-	-	-	-	-	-	
480	FLA	746	790	843	892	950	1080	1187	1296	-	-	-	-	-	-	
	LRA	5843	5217	5727	6317	6031	6720	7319	8133	-	-	-	-	-	-	
575	FLA	622	659	704	744	793	901	991	1081	-	-	-	-	-	-	
	LRA	4100	4200	4200	5225	4963	5148	5610	6232	-	-	-	-	-	-	
600	FLA	596	632	675	713	760	863	950	1036	-	-	-	-	-	-	
	LRA	4633	4487	4383	5452	5179	5372	5854	6503	-	-	-	-	-	-	
2300	FLA	154	165	176	186	198	225	248	267	290	312	334	383	438	493	548
	LRA	960	1008	1100	1172	1230	1350	1592	1592	1882	2031	2171	2390	2879	3199	3356
3300	FLA	108	115	123	130	138	157	173	186	202	217	233	267	306	344	382
	LRA	682	719	744	819	858	942	1110	1110	1311	1416	1514	1661	2011	2388	2479
4000	FLA	88.6	94.8	101	107	114	130	143	154	166	179	192	220	252	283	315
	LRA	540	554	631	674	713	780	923	923	1077	1177	1246	1428	1669	1842	2047
4160	FLA	85.2	91.1	97.1	102	110	125	137	148	160	172	185	212	242	273	303
	LRA	562	576	656	701	742	811	960	960	1120	1224	1296	1485	1736	1772	1968

TABLE 10 - 50 HZ ELECTRICAL DATA (CONT'D)

MOTOR CODE	5CT	5CU	5CV	5CW	5CX	5DA	5DB	5DC	5DD	5DE	5DF	5DG	5DH	5DJ ²	5DK	5DL	
SHAFT HP (MAX)	704	750	800	850	900	1000	1100	1200	1300	1400	1500	1650	1750	2000	2250	2500	
INPUT KW (MAX)	553	589	628	667	706	785	863	942	1015	1093	1171	1288	1359	1554	1748	1942	
F.L. EFF. - % ¹	95	95	95	95	95	95	95	95	95.5	95.5	95.5	95.5	96	96	96	96	
F.L. POWER FACTOR ¹	0.88	0.89	0.89	0.89	0.89	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.89	0.89	0.89	0.89	
VOLTS		AMPERES (MAXIMUM)															
346	FLA	1048	1104	1177	1251	1325	1488	1656	-	-	-	-	-	-	-	-	
	LRA	6615	6931	7356	7794	8319	8559	9346	-	-	-	-	-	-	-	-	
380	FLA	954	1005	1072	1139	1206	1355	1508	-	-	-	-	-	-	-	-	
	LRA	5491	6313	6694	7113	7404	7794	8511	-	-	-	-	-	-	-	-	
400	FLA	906	955	1018	1082	1146	1287	1433	-	-	-	-	-	-	-	-	
	LRA	5780	6645	7046	7487	7794	8204	8959	-	-	-	-	-	-	-	-	
415	FLA	874	920	982	1043	1104	1241	1381	-	-	-	-	-	-	-	-	
	LRA	5512	5780	6131	6513	6938	7138	7794	-	-	-	-	-	-	-	-	
3300	FLA	110	116	123	131	139	156	174	187	202	217	233	256	267	306	344	382
	LRA	693	725	744	819	875	871	1135	1135	1135	1415	1415	1415	1667	1836	2233	2481

NOTES:

- High voltage and special motor designs may not meet efficiency, power factor or amperes values shown for standard motors.
- Min. reduced voltage tap 80%.

Application Data (Cont'd)

TABLE 11 - 60 HZ ELECTRICAL DATA - PREMIUM EFFICIENCY

MOTOR CODE	EF	EG	EH	EJ	EK	EL	EM	EN	EP	ER	ES	ET	EU	EV	
SHAFT HP (MAX)	154	177	201	237	270	302	327	351	385	424	468	503	554	608	
INPUT KW (MAX)	122	139	158	185	211	236	256	274	300	330	363	390	431	473	
F.L. EFF. - %	94.5	95	95	95.4	95.4	95.4	95.4	95.4	95.8	95.8	96.2	96.2	95.8	95.8	
F.L. POWER FACTOR	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	
VOLTS	AMPERES (MAXIMUM)														
200	FLA	399	456	518	608	692	774	838	900	983	1083	1190	-	-	-
	LRA	2815	3128	3128	3979	4550	4900	5635	5865	6686	7350	7935	-	-	-
208	FLA	383	438	498	584	666	745	806	865	945	1041	1144	-	-	-
	LRA	2928	3235	3235	4138	4732	5096	5860	6100	6953	7644	8252	-	-	-
230	FLA	347	396	450	528	602	673	729	783	855	941	1035	1112	-	-
	LRA	2598	2720	2865	3460	3788	4260	4900	5162	5814	6200	6900	8513	-	-
240	FLA	332	380	431	506	577	645	699	750	819	902	992	1066	-	-
	LRA	2711	2838	2990	3610	3953	4445	5113	5386	6067	6470	7200	8883	-	-
380	FLA	210	240	272	320	364	408	441	474	517	570	626	673	745	817
	LRA	1482	1646	1730	2153	2500	2578	2966	3254	3637	3810	4179	4480	4671	5326
416	FLA	192	219	249	292	333	372	403	433	473	521	572	615	680	746
	LRA	1385	1504	1638	1967	2190	2356	2709	2976	3536	3637	3815	3826	4270	5418
440	FLA	181	207	235	276	315	352	381	409	447	492	541	581	643	706
	LRA	1177	1301	1320	1655	1865	2037	2485	2485	2976	2976	3300	3348	3644	4687
460	FLA	173	198	225	264	301	337	365	391	427	471	517	556	615	675
	LRA	1230	1360	1380	1730	1950	2130	2598	2598	3111	3111	3450	3500	3810	4900
480	FLA	166	190	216	253	288	323	349	375	410	451	496	533	589	647
	LRA	1283	1419	1440	1805	2035	2223	2711	2711	3246	3246	3600	3652	3976	5113
575	FLA	139	159	180	211	241	269	292	313	342	377	414	445	492	540
	LRA	979	1088	1100	1384	1556	1704	1960	2066	2326	2413	2760	2960	3089	3550
600	FLA	133	152	173	203	231	258	279	300	328	361	397	426	472	517
	LRA	1021	1135	1148	1444	1624	1778	2045	2156	2427	2518	2880	3089	3223	3704

NOTES:

- High voltage and special motor designs may not meet efficiency, power factor or amperes values shown for standard motors.
- Min. reduced voltage tap 80%.

TABLE 12 - 50 HZ ELECTRICAL DATA - PREMIUM EFFICIENCY

MOTOR CODE	5EC	5ED	5EE	5EF	5EG	5EH	5EI	5EJ	5EK	5EL	5EM	5EN	5EO	
SHAFT HP (MAX)	148	168	198	225	252	272	292	321	353	390	419	462	507	
INPUT KW (MAX)	117	133	156	177	198	214	229	252	277	305	328	361	396	
F.L. EFF. - %	94.3	94.5	94.7	94.9	95	95	95	95	95	95.4	95.4	95.4	95.4	
F.L. POWER FACTOR	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	
VOLTS	AMPERES (MAXIMUM)													
346	FLA	222	251	296	335	375	405	435	478	525	578	621	685	751
	LRA	1521	1721	1790	2208	2467	2706	2840	3081	3350	3706	3810	4177	5150
380	FLA	202	229	269	305	342	369	396	435	478	526	565	623	684
	LRA	1385	1385	1640	1890	2144	2464	2590	2806	3050	3375	3700	3810	4690
400	FLA	192	217	256	290	324	350	376	413	454	500	537	592	650
	LRA	1458	1458	1726	1989	2257	2594	2726	2954	3211	3553	3895	4011	4937
415	FLA	185	210	246	280	313	338	362	398	438	482	518	571	627
	LRA	1283	1385	1502	1700	2031	2175	2366	2569	2794	3088	3402	3478	4027

NOTE: These motors are designed to meet or exceed NEMA Premium (MG1-2006) and European IE2 efficiency requirements.

Application Data (Cont'd)

TABLE 11 - 60 HZ ELECTRICAL DATA - PREMIUM EFFICIENCY (CONT'D)

MOTOR CODE	EW	EX	EY	EZ	EA	EB	FA	FB	FC	FD
SHAFT HP (MAX)	655	690	740	790	845	900	1000	1100	1200	1300
INPUT KW (MAX)	508	535	574	612	655	698	775	853	930	1008
F.L. EFF. - %	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
F.L. POWER FACTOR	0.87	0.87	0.88	0.87	0.88	0.88	0.87	0.87	0.87	0.87
VOLTS	AMPERES (MAXIMUM)									
200	FLA	-	-	-	-	-	-	-	-	-
	LRA	-	-	-	-	-	-	-	-	-
208	FLA	-	-	-	-	-	-	-	-	-
	LRA	-	-	-	-	-	-	-	-	-
230	FLA	-	-	-	-	-	-	-	-	-
	LRA	-	-	-	-	-	-	-	-	-
240	FLA	-	-	-	-	-	-	-	-	-
	LRA	-	-	-	-	-	-	-	-	-
380	FLA	887	934	990	1069	1131	1204	1354	1489	1624
	LRA	5780	5859	6244	6644	7106	7513	7794	8491	9431
416	FLA	810	853	905	977	1033	1100	1237	1360	1484
	LRA	5640	5670	5704	6069	6489	6863	7120	7755	8618
440	FLA	766	807	855	924	977	1040	1169	1286	1403
	LRA	4668	4744	5050	5098	5529	5782	6160	6709	7455
460	FLA	732	772	818	883	934	995	1118	1230	1342
	LRA	4880	4960	5280	5330	5780	6045	6440	7014	7794
480	FLA	702	739	784	847	895	954	1072	1179	1286
	LRA	5092	5175	5510	5562	6031	6308	6720	7319	8133
575	FLA	586	617	654	707	747	796	895	984	1074
	LRA	4039	4100	4200	4200	4694	4963	5148	5610	6232
600	FLA	562	592	627	677	716	763	857	943	1029
	LRA	4214	4278	4383	4383	5452	5179	5372	5854	6503

NOTES:

1. High voltage and special motor designs may not meet efficiency, power factor or amperes values shown for standard motors.
2. Min. reduced voltage tap 80%.

TABLE 12 - 50 HZ ELECTRICAL DATA - PREMIUM EFFICIENCY (CONT'D)

MOTOR CODE	5EP	5EQ	5ER	5ES	5ET	5EU	5EV	5EW	5EX	5FA	5FB
SHAFT HP (MAX)	546	575	617	658	704	750	800	850	900	1000	1100
INPUT KW (MAX)	425	448	480	512	548	584	623	662	701	778	856
F.L. EFF. - %	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
F.L. POWER FACTOR	0.87	0.87	0.87	0.87	0.88	0.88	0.87	0.87	0.87	0.87	0.87
VOLTS	AMPERES (MAXIMUM)										
346	FLA	815	858	921	982	1039	1107	1194	1269	1344	1493
	LRA	5063	5373	5780	5780	6615	6931	7356	7794	8319	8559
380	FLA	742	782	839	894	946	1008	1087	1155	1223	1359
	LRA	4610	4892	5600	5491	5491	6313	6694	7113	7404	7794
400	FLA	705	743	797	850	899	958	1033	1098	1162	1291
	LRA	4853	5149	5895	5780	5780	6645	7046	7487	7794	8204
415	FLA	680	716	768	819	866	923	996	1058	1120	1245
	LRA	4221	4480	5130	5108	5512	5780	6131	6513	6938	7138

NOTE: These motors are designed to meet or exceed NEMA Premium (MG1-2006) and European IE2 efficiency requirements.

Application Data (Cont'd)

TABLE 13 - MOTOR STARTERS

TYPE STARTER	SOLID-STATE STARTER	STAR DELTA	AUTO TRANSFORMER			ACROSS-THE-LINE	PRIMARY REACTOR	
			VOLTAGE	LOW/MEDIUM	LOW		LOW/MEDIUM	LOW/MEDIUM
60 HZ	200-4160	200-600	200-600	200-4160	200-4160	200-4160	2300-4160	2300-4160
50 HZ	380-3300	346-415	346-415	346-3300	346-3300	346-3300	2300-3300	2300-3300
TRANSITION	—	CLOSED	CLOSED	CLOSED	CLOSED	—	CLOSED	CLOSED
% TAP INRUSH	—	—	57.7	65	80	—	65	80
AS A % OF LRA	45	33	33	42.3	64	100	65	80

NOTES:

1. For motor starters above 4160V/60Hz and 3300/50Hz, contact the Johnson Controls Sales Office for a specific selection.
2. Minimum tap for 5DJ motor is 80%.

Application Data (Cont'd)

TABLE 14 - LOW VOLTAGE VARIABLE SPEED MODELS

MAXIMUM LRA	MAXIMUM MOTOR HP	MINIMUM FLA	MAXIMUM FLA	RATED VOLTAGE	ACTUAL VOLTAGE	PHASE	HZ
2500	270	80	364	380	380	3	60
3637	385	120	517				
5326	608	200	817				
7610	845	300	1126				
7527	1100*	300	984				
2598	351	80	380	460	440/ 460/ 480		
3652	503	120	565				
5777	790	200	880				
7014	1048	300	1180				
7527	1300*	300	1163				
2413	424	80	377	575	575/600	3	50
3550	608	120	540	380	380/400		
2727	292	80	380				
2895	419	120	565				
5780	658	200	880				
8205	917	300	1180				
7527	1100*	300	984	415	415		
2366	292	80	362				
3402	419	120	518				
5512	704	200	876				
6938	900	300	1108				
7527	1100*	300	984				

NOTE: *1100/1300 HP LVVSD have a 575 Volt / 60 Hz motor. LFA and LRA are for the motor (VSD output).

Application Data (Cont'd)

TABLE 15 - MEDIUM VOLTAGE VARIABLE SPEED DRIVE MODELS

MV-VSD	MAXIMUM MOTOR HP	MAXIMUM FLA	VOLTAGE	PHASE	HZ
MVVSD0500RK-80	500	107	2300	3	60
MVVSD0600RK-80	600	129			
MVVSD0700RK-80	700	157			
MVVSD0800RK-80	800	172			
MVVSD0900RK-80	900	202			
MVVSD1000RK-80	1000	224			
MVVSD1250RK-80	1250	280			
MVVSD1500RK-80	1500	336			
MVVSD1750RK-80	1750	392			
MVVSD2000RK-80	2000	438			
MVVSD2250RK-80	2250	494			
MVVSD2500RK-80	2500	561			
MVVSD0500RK-94	500	78	3300	3	60
MVVSD0600RK-94	600	93			
MVVSD0700RK-94	700	110			
MVVSD0800RK-94	800	124			
MVVSD0900RK-94	900	141			
MVVSD1000RK-94	1000	156			
MVVSD1250RK-94	1250	195			
MVVSD1500RK-94	1500	235			
MVVSD1750RK-94	1750	274			
MVVSD2000RK-94	2000	312			
MVVSD2250RK-94	2250	345			
MVVSD2500RK-94	2500	391			
MVVSD0500RK-92S	500	62	4160	3	60
MVVSD0600RK-92S	600	74			
MVVSD0700RK-92S	700	87			
MVVSD0800RK-92S	800	99			
MVVSD0900RK-92S	900	112			
MVVSD1000RK-92S	1000	125			
MVVSD1250RK-92S	1250	155			
MVVSD1500RK-92S	1500	186			
MVVSD1750RK-92S	1750	217			
MVVSD2000RK-92S	2000	248			
MVVSD2250RK-92S	2250	274			
MVVSD2500RK-92S	2500	310			
MVVSD0500RK-92	500	78	3300	3	50
MVVSD0600RK-92	600	93			
MVVSD0700RK-92	700	110			
MVVSD0800RK-92	800	124			
MVVSD0900RK-92	900	141			
MVVSD1000RK-92	1000	156			
MVVSD1250RK-92	1250	195			
MVVSD1500RK-92	1500	235			
MVVSD1750RK-92	1750	274			
MVVSD2000RK-92	2000	312			
MVVSD2250RK-92	2250	345			
MVVSD2500RK-92	2500	391			

Application Data (Cont'd)

TABLE 16 - LOW VOLTAGE SOLID-STATE STARTER MODELS

SSS-	MAXIMUM LRA	MINIMUM FLA	MAXIMUM FLA	RATED VOLTAGE	ACTUAL VOLTAGE	PHASE	HZ
7L-46B	1556	35	260	460	440/460/480	3	60
7L-40B	1556	35	260	380	380	3	60
7L-50B	1556	35	260	400	380/440/415	3	50
7L-58B	1556	35	260	575	575/600	3	60
14L-17B	3111	65	510	200	200/208	3	60
14L-28B	3111	65	510	230	230/240	3	60
14L-40B	3111	65	510	380	380	3	60
14L-46B	3111	65	510	460	440/460/480	3	60
14L-50B	3111	65	510	400	380/400/415	3	50
14L-58B	3111	65	510	575	575/600	3	60
26L-17B	5780	125	850	200	200/208	3	60
26L-28B	5780	125	850	230	230/240	3	60
26L-40B	5780	125	850	380	380	3	60
26L-46B	5780	125	850	460	440/460/480	3	60
26L-50B	5780	125	850	400	380/400/415	3	50
26L-58B	5780	125	850	575	575/600	3	60
33L-17B	7333	215	1050	200	200/240	3	60
33L-40B	7333	215	1050	380	380	3	60
33L-46B	7333	215	1050	230	230/240	3	60
33L-50B	7333	215	1050	400	380/400/415	3	50
33L-58B	7333	215	1050	460	440/460/480	3	60

Weights

TABLE 20 - APPROXIMATE UNIT WEIGHT INCLUDING MOTOR FOR FLOODED EVAPORATOR UNITS

SHELLS	COMPRESSOR	SHIPPING WEIGHT LBS. (KGS.)	OPERATING WEIGHT LBS. (KGS.)	EST. REFRIGERANT CHARGE LBS. (KGS.) ¹
A-A	Q3	13100 (5942)	15000 (6804)	828 (376)
C-B	Q4	18023 (8175)	22323 (10126)	1525 (692)
C-C	Q3, Q4	14920 (6768)	17940 (8138)	1221 (554)
C-C	Q5	15330 (6954)	18350 (8324)	1221 (554)
D-D	Q3, Q4	17215 (7809)	21100 (9571)	1628 (738)
D-D	Q5	17625 (7995)	21510 (9757)	1628 (738)
E-E	Q3, Q4	17950 (8142)	22160 (10052)	1710 (776)
E-E	Q5, Q6, Q7, P7	18360 (8328)	22570 (10238)	1710 (776)
E-I	Q7	23567 (10690)	29384 (13328)	1805 (819)
F-F	Q5, Q6, Q7, P7	18720 (8491)	23880 (10832)	2175 (987)
G-E	P8	20300 (9208)	24200 (10977)	1990 (903)
H-F	P8, P9	23100 (10478)	28000 (12701)	2610 (1184)
J-J	P8, P9	24000 (10886)	29100 (13200)	2550 (1157)
L-L	P8, P9	27400 (12429)	33900 (15377)	3165 (1436)
K-K	H9	28530 (12941)	36000 (16329)	2925 (1327)
K-K	K1	31100 (14107)	36200 (16420)	3248 (1473)
K-O	H9	34483 (15641)	44776 (20310)	3260 (1479)
M-M	H9	34200 (15513)	43600 (19777)	3665 (1662)
M-M	K1, K2	38300 (17373)	47100 (21364)	3665 (1662)
M-U	K2	45178 (20493)	58017 (26316)	3540 (1606)
N-N	K1, K2	40893 (18549)	50800 (23043)	4225 (1916)
N-N	K3	48000 (21773)	54100 (24540)	4225 (1916)
P-P	K1, K2	41500 (18824)	51900 (23542)	3855 (1749)
Q-Q	K1, K2	45300 (20548)	56800 (25764)	4255 (1930)
Q-Q	K3	46000 (20865)	60200 (27307)	4255 (1930)
R-R	K3	52800 (23950)	70300 (31888)	4600 (2087)
R-R	K4	53000 (24041)	70600 (32024)	4600 (2087)
S-S	K4	59000 (26762)	76300 (34609)	4815 (2184)
S-V	K4	60100 (27261)	81300 (36877)	5467 (2480)
X-T	K4	59200 (26853)	80000 (36288)	5338 (2421)
X-X	K4	66000 (29937)	87000 (39463)	5875 (2665)
W-W	K7	79500 (36061)	104000 (47174)	8002 (3630)
Z-Y	K7	95230 (43196)	123015 (55799)	7175 (3255)
Z-Z	K7	80500 (36515)	105000 (47628)	6984 (3168)

¹ Refrigerant charge quantity and weights will vary based on tube count.

TABLE 21 - APPROXIMATE UNIT WEIGHT INCLUDING MOTOR FOR HYBRID FALLING FILM EVAPORATOR UNITS

SHELLS	COMPRESSOR	SHIPPING WEIGHT LBS. (KGS.)	OPERATING WEIGHT LBS. (KGS.)	EST. REFRIGERANT CHARGE LBS. (KGS.) ¹
A-A	Q3	12850 (5829)	14419 (6540)	695 (315)
C-C	Q3, Q4	14570 (6609)	16848 (7642)	875 (397)
C-C	Q5	15000 (6804)	17278 (7837)	875 (397)
D-D	Q4	17000 (7711)	20051 (9095)	1180 (535)
D-D	Q5	17410 (7897)	20461 (9281)	1180 (535)
E-E	Q5, Q6, Q7, P7	18700 (8482)	21700 (9843)	1120 (508)
F-F	Q5, Q6, Q7, P7	19220 (8718)	23142 (10497)	1415 (642)
G-E	P8, P9	20640 (9362)	24036 (10903)	1320 (599)
H-F	P8, P9	23540 (10678)	28083 (12738)	1775 (805)
I-K	H9	28849 (13086)	34078 (15458)	1820 (826)
K-K	H9	28850 (13086)	34079 (15458)	1820 (826)
I-K	K1	31350 (14220)	35145 (15942)	1820 (826)
M-M	K1, K2	34520 (15658)	46055 (20890)	2300 (1043)
N-N	K1, K2	41273 (18721)	49605 (22501)	2650 (1202)
N-N	K3	48380 (21945)	52905 (23998)	2650 (1202)
P-P	K1, K2	41950 (19028)	51595 (23403)	3100 (1406)
Q-Q	K1, K2	45800 (20775)	56545 (25649)	3500 (1588)
Q-Q	K3	46500 (21092)	59945 (27191)	3500 (1588)

¹ Refrigerant charge quantity and weights will vary based on tube count and configuration. Use for reference only.

Weights (Cont'd)

TABLE 22 - EVAPORATOR MARINE WATERBOX WEIGHTS LBS (KG)
(TO BE ADDED TO STANDARD UNIT WEIGHTS SHOWN ON TABLE 20 OR 21)

EVAPORATOR	SHIPPING WEIGHT			OPERATING WEIGHT		
	INCREASE - LBS. (KGS.)			INCREASE - LBS. (KGS.)		
	1-PASS	2-PASS	3-PASS	1-PASS	2-PASS	3-PASS
A	924 (419)	744 (337)	978 (444)	1468 (666)	1288 (584)	1522 (690)
C,D	1352 (613)	1114 (505)	1480 (671)	2224 (1009)	1986 (901)	2352 (1067)
E,F	1878 (852)	1260 (572)	2080 (943)	3378 (1532)	2760 (1252)	3580 (1624)
G,H	1213 (550)	1296 (588)	1293 (587)	2655 (1204)	2738 (1242)	2735 (1241)
I,J,K,L	1751 (794)	1843 (836)	1856 (842)	3864 (1753)	3956 (1794)	3969 (1800)
M,N	4290 (1946)	2036 (924)	4140 (1878)	7535 (3418)	3264 (1481)	6300 (2858)
P,Q	4662 (2115)	2250 (1021)	4646 (2107)	7746 (3514)	3486 (1581)	7392 (3353)
R,S,W	4804 (2179)	2700 (1225)	4912 (2228)	8522 (3866)	4516 (2048)	8187 (3714)
X,Z	7088 (3215)	3660 (1660)	7244 (3286)	11552 (5240)	5507 (2498)	11243 (5100)

TABLE 23 - CONDENSER MARINE WATERBOX WEIGHTS LBS (KG)
(TO BE ADDED TO STANDARD UNIT WEIGHTS SHOWN ON TABLE 20 OR 21)

CONDENSER	SHIPPING WEIGHT			OPERATING WEIGHT		
	INCREASE - KGS.			INCREASE - KGS.		
	1-PASS	2-PASS	3-PASS	1-PASS	2-PASS	3-PASS
A	762 (346)	566 (257)	810 (367)	1274 (578)	1078 (489)	1322 (600)
B	1569 (712)	874 (396)	1677 (761)	2113 (958)	1094 (496)	2071 (939)
C,D	946 (429)	778 (353)	1046 (474)	1692 (767)	1524 (691)	1792 (813)
E,F	726 (329)	811 (368)	791 (359)	1337 (606)	1722 (781)	1702 (772)
I	2066 (937)	1070 (485)	2032 (922)	3017 (1369)	1416 (642)	2738 (1242)
J,K,L	1029 (467)	1167 (529)	1151 (522)	2309 (1047)	2447 (1110)	2431 (1103)
M,N	2466 (1119)	1330 (603)	2324 (1054)	4863 (2206)	2448 (1110)	4582 (2078)
O	2985 (1354)	1443 (655)	2987 (1355)	4435 (2012)	2172 (985)	3979 (1805)
P,Q	3700 (1678)	1858 (843)	3752 (1702)	6561 (2976)	3132 (1421)	5991 (2717)
R,S	3806 (1726)	1946 (883)	3960 (1796)	6657 (3020)	3195 (1449)	6352 (2881)
V,T,W	5196 (2357)	2565 (1163)	5204 (2361)	9161 (4155)	4012 (1820)	8219 (3728)
U	3641 (1652)	1893 (859)	3609 (1637)	5350 (2427)	2556 (1159)	4770 (2164)
X,Z	5840 (2649)	2953 (1339)	5380 (2440)	9900 (4491)	4649 (2109)	8100 (3674)
Y	9094 (4125)	4762 (2160)	9058 (4109)	13326 (6045)	6524 (2959)	12049 (5465)