

SECTION 5 – TECHNICAL DATA OPERATIONAL LIMITATIONS

TABLE 3 - TEMPERATURES AND FLOWS

DESIGN PARAMETERS - STANDARD EFFICIENCY (SE)										
MODEL	EVAPORAROR FLOW - GPM (LPS)		CONDENSER FLOW - GPM (LPS)		LEAVING EVAP. WATER TEMP. - °F (°C)		ENT. COND. WATER TEMP. - °F (°C)	LVG. COND. WATER TEMP. - °F (°C)	EQUIPMENT ROOM TEMP. - °F (°C)	
	MIN	MAX	MIN	MAX	MIN ¹	MAX ²	MIN	MAX	MIN	MAX
0056SE	60 (3.8)	285 (18.0)	90 (5.7)	360 (22.7)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0064SE	60 (3.8)	285 (18.0)	90 (5.7)	360 (22.7)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0074SE	60 (3.8)	285 (18.0)	90 (5.7)	360 (22.7)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0084SE	60 (3.8)	285 (18.0)	90 (5.7)	360 (22.7)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0094SE	100 (6.3)	385 (24.3)	145 (9.1)	450 (28.4)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0104SE	100 (6.3)	385 (24.3)	145 (9.1)	450 (28.4)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0118SE	100 (6.3)	385 (24.3)	145 (9.1)	450 (28.4)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0132SE	140 (8.8)	625 (39.4)	180 (11.4)	700 (44.2)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0156SE	150 (9.5)	625 (39.4)	225 (14.2)	700 (44.2)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0157SE	150 (9.5)	625 (39.4)	225 (14.2)	700 (44.2)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0177SE	200 (12.6)	650 (41.0)	260 (16.4)	700 (44.2)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0198SE	200 (12.6)	650 (41.0)	260 (16.4)	700 (44.2)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
DESIGN PARAMETERS - HIGH EFFICIENCY (HE)										
MODEL	EVAPORAROR FLOW - GPM (LPS)		CONDENSER FLOW - GPM (LPS)		LEAVING EVAP. WATER TEMP. - °F (°C)		ENT. COND. WATER TEMP. - °F (°C)	LVG. COND. WATER TEMP. - °F (°C)	EQUIPMENT ROOM TEMP. - °F (°C)	
	MIN	MAX	MIN	MAX	MIN ¹	MAX ²	MIN	MAX	MIN	MAX
0064HE	100 (6.3)	355 (22.4)	145 (9.1)	450 (28.4)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0074HE	140 (8.8)	625 (39.4)	145 (9.1)	450 (28.4)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0084HE	140 (8.8)	625 (39.4)	145 (9.1)	450 (28.4)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0094HE	140 (8.8)	625 (39.4)	225 (14.2)	700 (44.2)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0096HE	150 (9.5)	625 (39.4)	225 (14.2)	700 (44.2)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0118HE	140 (8.8)	625 (39.4)	225 (14.2)	700 (44.2)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0126HE	200 (12.6)	650 (41.0)	225 (14.2)	700 (44.2)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0127HE	200 (12.6)	650 (41.0)	225 (14.2)	700 (44.2)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0156HE	200 (12.6)	650 (41.0)	260 (16.4)	700 (44.2)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)
0157HE	200 (12.6)	650 (41.0)	260 (16.4)	700 (44.2)	40 (4.4)	50 (10)	65 (18)	130 (54)	40 (4.4)	115 (46)

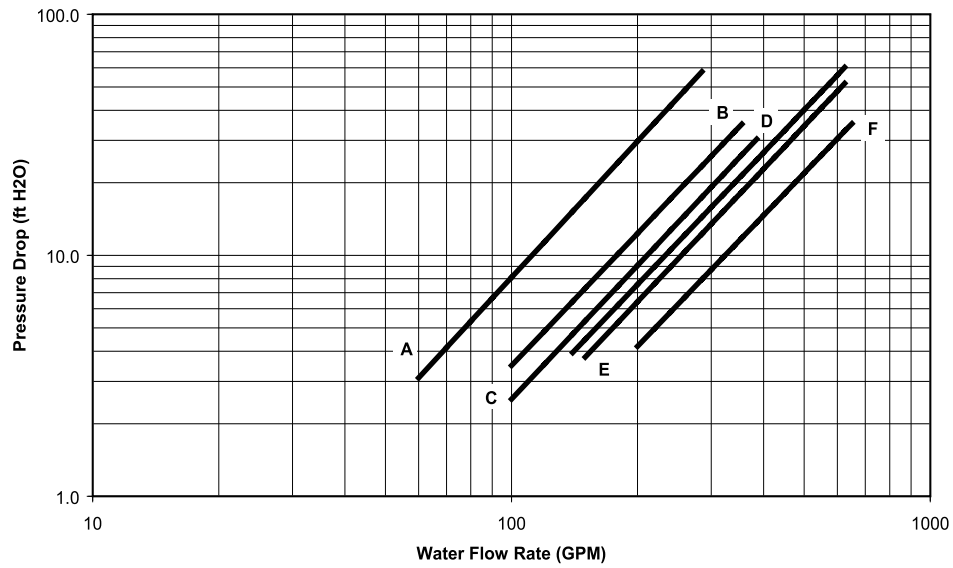
NOTES:

1. For leaving brine temperature below 40° (4.4°C), contact the nearest Johnson Controls office for application requirements.
2. For leaving water temperature above 50° (10°C), contact the nearest Johnson Controls office for application requirements.

TECHNICAL DATA

EVAPORATOR PRESSURE DROP CHARTS

YCWL Evaporator Pressure Drop (English Units)



YCWL MODEL NUMBER	EVAP
0056SE, 0064SE, 0074SE, 0084SE	A
0064HE, 0094SE	B
0104SE, 0118SE	C
0074HE, 0084HE, 0094HE, 0118HE, 0132SE	D
0096HE, 0156SE, 0157SE	E
0126HE, 0127HE, 0156HE, 0157HE, 0198SE	F

YCWL Evaporator Pressure Drop (SI Units)

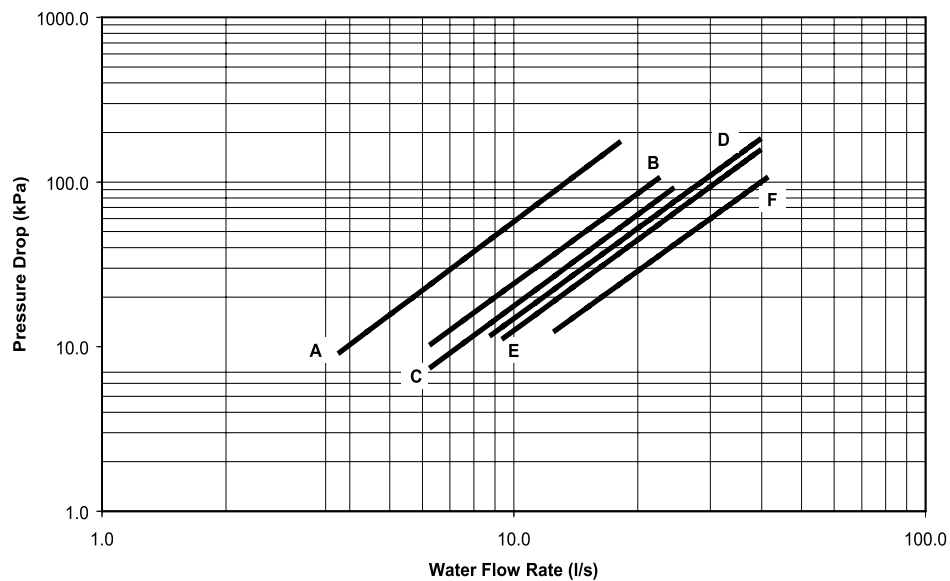
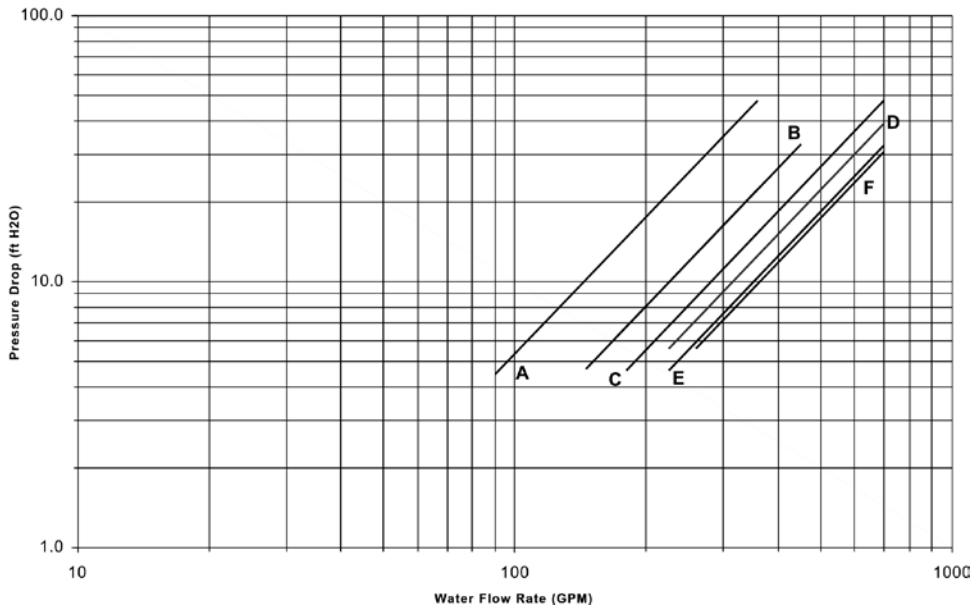


FIGURE 17 - EVAPORATOR WATER PRESSURE DROP CURVES

CONDENSER PRESSURE DROP CHARTS

YCWL Condenser Pressure Drop (English Units)



YCWL MODEL NUMBER	EVAP
0056SE, 0064SE, 0074SE, 0084SE	A
0064HE, 0094SE	B
0104SE, 0118SE	C
0074HE, 0084HE, 0094HE, 0118HE, 0132SE	D
0096HE, 0156SE, 0157SE	E
0126HE, 0127HE, 0156HE, 0157HE, 0198SE	F

YCWL Condenser Pressure Drop (SI Units)

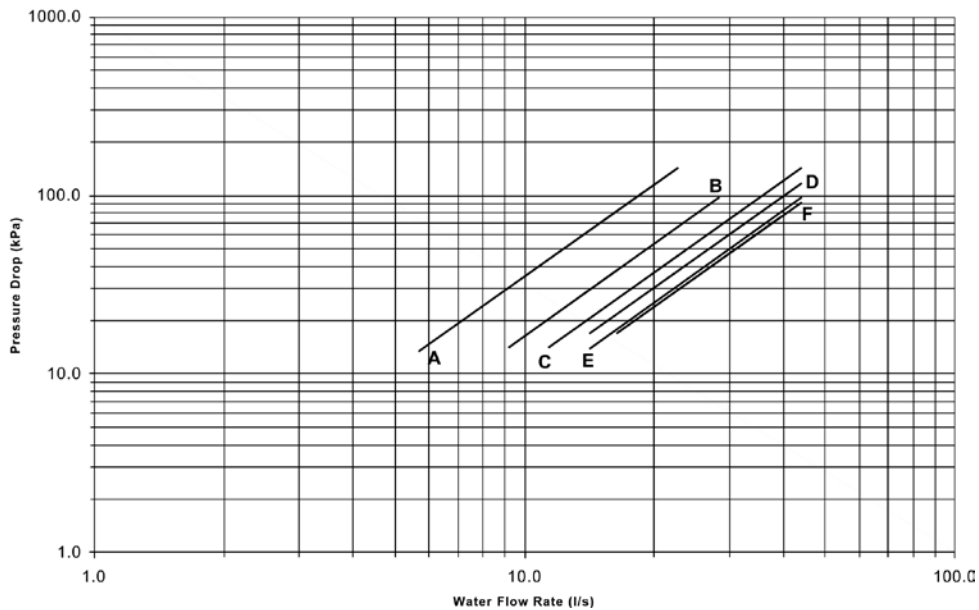


FIGURE 18 - CONDENSER WATER PRESSURE DROP CURVES