

				TSMC-8-65 S-L / A			R-717		
/A: CLOSED INTERSTAGE COOLING				CONDENSING TEMP	CT	°C(5)			
				EVAPORATING "	ET	°C(5)			
CONDENSER SUBCOOLING	5 K								
LIQUID TEMP. =	MT + 50C			CAPACITY	QE	KW			
SUCTION SUPERHEAT	5 K			POWER CONSUMP.	NE	KW			
SUCTION PRESSURE LOSS NOT INCLUDED									

CT C	ET C	SMC RPM	MT.C.	TSMC-8-65 S						TSMC-8-65 L					
				1170		1460		1750		1170		1460		1750	
				Q _E	N _E	Q _E	N _E	Q _E	N _E	Q _E	N _E	Q _E	N _E	Q _E	N _E
20	-25	3.5	22.3	7.0	27.8	8.8	33.3	10.6	29.8	9.1	37.2	11.6	44.7	13.9	
20	-30	2.5	17.7	6.2	22.1	7.8	26.5	9.4	23.6	8.3	29.4	10.5	35.2	12.7	
20	-35	-8.5	13.9	5.4	17.3	6.8	20.8	8.3	18.4	7.5	22.9	9.5	27.5	11.5	
20	-40	-13.5	10.6	4.6	13.2	5.8	15.8	7.1	13.9	6.7	17.4	8.4	20.8	10.2	
25	-25	4.5	22.0	7.6	27.4	9.5	32.9	11.5	29.4	9.9	36.7	12.6	44.1	15.1	
25	-30	1.0	17.5	6.7	21.8	8.4	26.2	10.2	23.3	9.0	29.0	11.3	34.7	13.7	
25	-35	-7.5	13.7	5.8	17.1	7.3	20.5	8.9	18.1	8.1	21.1	10.2	27.1	12.3	
25	-40	-12.5	10.4	5.0	13.0	6.3	15.6	7.6	13.7	7.3	17.1	9.1	20.5	11.1	
30	-25	5.5	21.7	8.1	27.1	10.2	32.5	12.3	29.1	10.7	36.2	13.5	43.6	16.2	
30	-30	-0.5	17.2	7.2	21.5	9.0	25.8	10.9	22.9	9.7	28.6	12.2	34.1	14.7	
30	-35	-6.5	13.4	6.2	16.7	7.9	20.0	9.5	17.7	8.7	22.1	10.9	26.5	13.2	
30	-40	-11.5	10.2	5.3	12.7	6.7	15.2	8.1	13.4	7.7	16.7	9.7	20.0	11.7	
35	-25	6.6	21.4	8.7	26.7	10.9	32.0	13.2	28.7	11.4	35.7	14.4	43.0	17.3	
35	-30	0.5	16.9	7.6	21.1	9.6	25.3	11.6	22.5	10.3	28.1	12.9	33.6	15.6	
35	-35	-5.5	13.2	6.6	16.5	8.4	19.8	10.1	17.5	9.2	21.8	11.6	26.1	14.0	
35	-40	-10.0	10.0	5.7	12.4	7.1	14.9	8.6	13.1	8.2	16.3	10.3	19.5	12.5	
40	-25	7.5	21.1	9.2	26.3	11.6	31.6	14.0	28.2	12.1	35.2	15.3	42.4	18.4	
40	-30	1.5	16.6	8.2	20.8	10.3	24.9	12.4	22.1	11.0	27.6	13.8	33.0	16.7	
40	-35	-4.5	12.9	7.1	16.1	8.9	19.3	10.7	17.1	9.8	21.3	12.3	25.5	14.9	
40	-40	-8.5	9.8	6.0	12.2	7.6	14.6	9.1	12.8	8.7	16.0	10.9	19.2	13.2	
40	-45	-16.5	7.3	5.0	9.1	6.4	10.9	7.7	9.6	7.6	11.9	9.6	14.3	11.6	
45	-25	8.5	20.7	9.8	25.8	12.4	30.9	15.0	27.7	13.1	34.6	16.4	41.4	19.8	
45	-30	3.0	16.3	8.6	20.4	10.8	24.5	13.1	21.9	11.7	27.3	14.7	32.6	17.8	
45	-35	-3.0	12.6	7.4	15.8	9.3	18.9	11.3	16.8	10.4	20.9	13.1	25.1	15.8	
45	-40	-7.5	9.6	6.2	12.0	7.9	14.4	9.5	12.8	9.1	15.9	11.4	19.1	13.8	
45	-45	-13.5	7.1	5.3	8.8	6.6	10.6	8.0	9.4	8.0	11.7	10.0	14.0	12.2	

TSMC 8-100 **R-717**

/A: CLOSED INTERSTAGE COOLING

CONDENSING TEMP CT °C(5)
 EVAPORATING " ET °C(5)

CONDENSER SUBCOOLING 5 K

LIQUID TEMP. = MT + 5°C

CAPACITY QE KW

SUCTION SUPERHEAT 5 K

POWER CONSUMP. NE KW

SUCTION PRESSURE LOSS NOT INCLUDED

CT C	RPM	ET C	MT.C.	TSMC 8-100 S						TSMC 8-100 L						TSMC 8-100 E					
				970		1170		1460		970		1170		1460		970		1170		1460	
				Q _E	N _E	Q _E	N _E	Q _E	N _E	Q _E	N _E	Q _E	N _E	Q _E	N _E	Q _E	N _E	Q _E	N _E	Q _E	N _E
20	-25	4.0	72.0	21.5	86.9	26.2	108.4	33.0	96.4	28.3	116.1	34.6	145.4	43.4	114.0	37.3	137.5	45.4	171.7	57.0	
20	-30	-1.5	57.4	19.5	69.2	23.8	86.4	30.0	76.4	26.4	92.0	32.1	114.5	40.4	90.4	34.2	109.1	41.6	136.2	52.4	
20	-35	-7.0	45.1	17.3	54.4	21.1	67.8	26.6	59.6	24.0	71.8	29.3	89.6	36.9	70.8	30.9	85.1	37.7	106.2	47.4	
20	-40	-12.5	34.6	14.9	41.8	18.2	52.1	22.9	45.4	21.6	54.8	26.2	68.4	33.2	54.2	27.7	65.4	33.8	82.1	42.5	
25	-25	5.0	71.4	23.8	86.1	29.0	107.4	36.5	95.5	31.3	115.1	38.3	144.1	48.0	114.0	38.1	137.5	46.4	171.3	58.3	
25	-30	-0.5	56.8	21.3	68.5	25.9	85.5	32.6	75.6	28.7	91.1	34.9	113.3	43.9	90.4	34.8	108.7	42.4	135.8	53.4	
25	-35	-6.0	44.5	18.6	53.7	22.7	67.0	28.6	58.8	25.9	70.9	31.5	88.5	39.7	70.3	31.5	85.1	38.3	106.2	48.3	
25	-40	-11.5	34.2	16.0	41.2	19.5	51.5	24.6	44.9	23.2	54.1	28.2	67.6	35.7	54.2	28.2	65.4	34.3	81.6	43.3	
30	-25	6.0	70.5	25.8	85.0	31.4	106.1	39.6	94.3	33.9	113.7	41.5	142.4	52.0	113.3	41.0	136.5	49.9	170.2	62.9	
30	-30	0.5	56.1	23.0	67.6	28.0	84.4	35.3	74.6	31.0	89.9	37.7	111.9	47.5	89.7	37.4	108.0	45.4	134.7	57.2	
30	-35	-5.0	44.0	20.0	53.0	24.4	66.2	30.7	58.1	27.8	70.0	33.8	87.4	42.6	70.0	33.6	84.4	40.9	105.2	51.6	
30	-40	-10.5	33.6	17.2	40.6	21.0	50.6	26.5	44.2	24.9	53.3	30.3	66.5	38.3	53.8	30.0	64.7	36.5	80.9	46.1	
35	-25	7.0	69.5	27.9	83.9	34.0	104.7	42.8	93.1	36.7	112.2	44.9	140.4	56.3	112.2	44.0	135.4	53.5	169.2	67.4	
35	-30	2.0	55.3	24.7	66.7	30.1	83.2	37.9	73.6	33.3	88.6	40.5	110.3	51.0	89.0	39.8	107.3	48.5	133.7	61.1	
35	-35	-4.0	43.3	21.4	52.2	26.1	65.2	32.9	57.2	29.7	69.0	36.1	86.1	45.6	69.3	35.8	83.4	43.5	104.1	55.0	
35	-40	-9.0	33.0	18.2	39.8	22.2	49.7	28.0	43.3	26.4	52.3	32.1	65.2	40.5	53.1	31.8	64.0	38.8	79.8	48.9	
40	-25	8.3	68.8	29.6	83.0	36.1	103.6	45.5	92.1	39.0	111.0	47.7	139.0	59.8	111.5	47.0	134.7	57.2	167.8	72.0	
40	-30	2.6	54.6	26.1	65.9	31.8	82.2	40.0	72.7	35.2	87.6	42.8	109.0	53.9	88.3	42.4	106.2	51.7	132.6	65.1	
40	-35	-3.0	42.7	22.6	51.6	27.5	64.3	34.7	56.5	31.4	68.1	38.2	85.0	48.2	68.6	38.0	82.7	46.3	103.4	58.4	
40	-40	-8.5	32.8	19.2	39.6	23.4	49.4	29.5	43.1	27.8	52.0	33.8	64.9	42.7	52.4	33.8	63.3	41.2	79.1	51.9	
40	-45	-13.9	24.5	16.1	29.6	19.6	36.9	24.7	32.3	24.3	39.0	29.6	48.7	37.3	39.4	29.8	47.5	36.2	59.4	45.7	
45	-25	9.2	68.0	31.2	82.1	38.0	102.4	47.9	91.3	41.5	110.0	50.5	137.0	63.6	110.8	50.0	134.0	60.9	166.4	76.6	
45	-30	3.5	53.8	27.4	64.9	33.4	81.0	42.1	72.0	37.3	86.8	45.4	108.0	57.2	87.6	45.0	105.1	54.9	131.5	69.1	
45	-35	-2.1	42.1	23.7	50.8	28.9	63.4	36.4	55.9	33.2	67.4	40.5	84.1	51.0	67.9	40.2	82.0	49.1	102.7	61.8	
45	-40	-7.5	32.0	20.2	38.6	24.6	48.2	31.0	42.6	29.3	51.4	35.7	64.1	45.0	51.7	35.8	62.6	43.6	78.4	54.9	
45	-45	-12.9	24.0	16.8	28.9	20.5	36.1	25.9	31.8	25.6	38.4	31.1	47.9	39.3	38.7	31.5	46.8	38.2	58.7	48.2	



/A: CLOSED INTERSTAGE COOLING

CONDENSER SUBCOOLING 5 K
 LIQUID TEMP. = MT + 5°C
 SUCTION SUPERHEAT 5 K
 SUCTION PRESSURE LOSS NOT INCLUDED

TSMC 16-100

CONDENSING TEMP
 EVAPORATING "

CAPACITY
 POWER CONSUMP.

S

R-717

CT °C(5)
 ET °C(5)

QE KW
 NE KW

CT	C	RPM	MT.C.	TSMC 16-100 S						TSMC 16-100 L						TSMC 16-100 E					
				970		1170		1460		970		1170		1460		970		1170		1460	
				Q _E	N _E	Q _E	N _E	Q _E	N _E	Q _E	N _E	Q _E	N _E	Q _E	N _E	Q _E	N _E	Q _E	N _E	Q _E	N _E
20	-25	4.0	147.8	43.8	175.9	52.3	223.0	66.6	188.5	55.9	227.2	67.3	283.1	84.6	228.4	72.5	275.5	88.0	343.7	110.4	
20	-30	-1.5	116.5	39.5	138.2	48.2	174.5	60.5	148.1	50.9	180.5	61.7	224.8	77.8	180.9	66.3	218.2	80.4	272.3	100.9	
20	-35	-7.0	88.6	35.3	109.1	42.8	135.5	54.1	117.1	45.8	141.0	56.4	175.9	69.8	141.5	59.7	170.7	72.6	212.9	91.1	
20	-40	-12.5	67.5	31.4	83.4	37.5	101.6	46.8	90.8	41.2	109.1	49.6	135.4	62.3	108.7	53.2	131.3	64.7	164.0	81.3	
25	-25	5.0	145.6	48.2	175.9	58.4	219.1	73.2	186.8	61.4	225.5	74.5	281.4	93.4	227.9	74.3	275.0	90.1	343.3	113.0	
25	-30	-0.5	114.3	43.4	138.2	52.6	172.3	66.0	148.1	55.9	178.3	67.8	222.6	85.0	180.4	67.7	217.7	82.1	271.9	103.1	
25	-35	-6.0	88.6	38.6	106.9	46.7	133.3	58.5	115.4	50.2	139.3	60.8	173.7	76.4	141.0	61.0	170.2	74.0	212.4	92.9	
25	-40	-11.5	67.5	33.6	81.2	40.8	101.6	51.2	88.6	44.5	106.9	54.0	133.7	67.8	108.7	54.4	130.8	65.9	163.5	82.8	
30	-25	6.0	144.6	51.8	174.1	62.9	217.4	78.9	185.4	66.1	223.7	80.2	279.3	100.7	226.5	80.1	272.9	97.2	340.8	122.0	
30	-30	0.5	113.3	46.5	136.8	56.3	170.6	70.7	146.7	59.9	176.9	72.6	220.9	91.2	179.4	72.6	216.3	88.1	269.8	110.7	
30	-35	-5.0	87.6	41.0	105.5	49.7	131.9	62.4	114.3	53.6	137.9	65.0	172.0	81.7	140.0	65.2	168.8	79.2	210.7	99.5	
30	-40	-10.5	66.5	35.7	80.2	43.3	100.2	54.3	87.6	47.4	105.9	57.5	132.2	72.2	107.3	57.9	129.4	70.3	161.8	88.4	
35	-25	7.0	143.2	55.6	172.7	67.3	215.6	84.6	183.9	70.9	221.9	86.1	277.2	108.1	224.7	85.9	271.2	104.3	338.4	131.0	
35	-30	2.0	112.2	49.5	135.4	60.0	169.2	75.4	145.3	64.0	175.5	77.6	219.1	97.5	178.0	77.7	214.5	94.3	267.7	118.5	
35	-35	-4.0	86.5	43.5	104.5	52.8	130.5	66.3	113.3	57.0	136.5	69.2	170.6	86.9	138.6	69.6	167.1	84.4	208.6	106.1	
35	-40	-9.0	65.4	37.7	79.1	45.8	98.8	57.4	86.5	50.3	104.5	61.0	130.5	76.7	106.2	61.7	128.4	74.9	160.0	94.1	
40	-25	8.3	142.1	59.2	171.3	71.9	213.8	90.2	182.5	75.8	220.2	92.0	275.0	115.6	223.3	91.9	269.4	111.6	335.9	140.3	
40	-30	2.6	111.1	52.6	134.0	63.8	167.4	80.2	144.2	68.1	173.7	82.7	217.0	103.9	176.2	82.8	212.8	100.6	265.5	126.5	
40	-35	-3.0	85.5	46.1	103.4	55.9	128.7	70.2	112.2	60.6	135.1	73.5	168.8	92.4	137.2	74.0	165.7	89.9	206.8	113.0	
40	-40	-8.5	64.7	39.9	78.1	48.3	97.4	60.6	85.8	53.3	103.4	64.7	129.1	81.2	105.2	65.5	127.0	79.6	158.3	100.0	
40	-45	-13.9	47.8	33.9	57.7	41.0	72.1	51.5	64.4	46.3	77.4	56.2	96.7	70.5	79.1	57.4	95.3	69.6	118.9	87.5	
45	-25	9.2	141.0	62.8	169.9	76.5	212.0	95.8	181.1	80.7	218.5	97.9	272.8	123.1	221.9	97.9	267.6	118.9	333.4	149.6	
45	-30	3.5	110.0	55.7	132.6	67.6	165.6	85.0	143.1	72.2	171.9	87.8	214.9	110.3	174.4	87.9	211.1	106.9	263.3	134.5	
45	-35	-2.1	84.5	48.7	102.3	59.0	126.9	74.1	111.1	64.2	133.7	77.8	167.0	97.9	135.8	78.4	164.3	95.4	205.0	119.9	
45	-40	-7.5	64.0	42.1	77.1	50.8	96.0	63.8	85.1	56.3	102.3	68.4	127.7	85.7	104.2	69.3	125.6	84.3	156.6	105.9	
45	-45	-12.9	47.1	35.6	56.7	43.0	71.0	54.1	63.7	48.8	76.0	107.2	95.3	74.3	78.0	60.7	93.9	73.5	117.2	92.5	

Please consult ACCEL for grey shaded areas