

# 水冷式チリングユニット 能力表

MCR-KE 冷媒R407C

機種名		MCR-SP40KE (50/60Hz)												
冷水温度	冷卻水出口温度(°C)	20	22	25	30	32	35	37						
入口(°C)	出口(°C)	15	17	20	25	27	30	32						
10	冷卻能力	kW	119/139	118/138	117/136	114/133	114/133	111/130	110/129					
	消費電力	kW	18.6/22.9	19.4/23.9	20.5/25.3	22.5/27.8	23.1/28.6	25.0/30.9	26.3/32.8					
	冷水流量	m³/h	20.5/23.9	20.3/23.7	20.1/23.4	19.8/22.9	19.5/22.8	19.1/22.3	18.8/22.0					
	冷水圧損失	kPa	65/87	64/86	63/83	60/80	59/79	57/77	56/75					
	冷卻水圧損失	m³/h	23.7/27.8	23.6/27.8	23.7/27.7	23.5/27.7	23.5/27.7	23.4/27.8	23.4/27.7					
12	冷卻能力	kW	-	-	125/146	123/144	121/141	120/141	118/138	118/138				
	消費電力	kW	-	-	19.6/24.2	20.8/25.7	22.8/28.2	23.5/29.0	25.3/31.4	26.8/33.0				
	冷水流量	m³/h	-	-	21.5/25.1	21.2/24.8	20.8/24.3	20.6/24.1	20.2/23.7	19.9/23.3				
	冷水圧損失	kPa	-	-	71/95	69/93	67/89	66/88	64/85	62/83				
	冷卻水圧損失	m³/h	-	-	24.9/29.3	24.7/29.2	24.7/29.1	24.7/29.2	24.6/29.1	24.5/29.1				
14	冷卻能力	kW	-	-	-	-	131/152	129/149	125/146	123/144				
	消費電力	kW	-	-	-	-	21.0/26.0	22.0/28.6	23.0/29.3	25.7/31.8	27.0/33.4			
	冷水流量	m³/h	-	-	-	-	22.5/26.1	22.0/25.8	21.8/25.5	21.4/25.0	21.1/24.7			
	冷水圧損失	kPa	-	-	-	-	78/102	74/99	73/98	71/94	69/92			
	冷卻水圧損失	m³/h	-	-	-	-	26.1/30.6	26.0/30.5	25.9/30.0	25.9/30.0	25.8/30.5			
16	冷卻能力	kW	-	-	-	-	-	136/160	131/156	130/156	127/152	125/150		
	消費電力	kW	-	-	-	-	21.1/26.2	23.3/28.9	24.0/29.9	25.8/32.1	27.1/33.7			
	冷水流量	m³/h	-	-	-	-	23.0/27.5	22.5/26.8	22.4/26.7	21.8/26.1	21.5/25.8			
	冷水圧損失	kPa	-	-	-	-	81/113	78/107	77/108	73/102	71/100			
	冷卻水圧損失	m³/h	-	-	-	-	26.7/32.0	26.5/31.8	26.5/31.8	26.3/31.7	26.2/31.6			

機種名		MCR-SP100KE (50/60Hz)													
冷水温度	冷卻水出口温度(°C)	20	22	25	30	32	35	37							
入口(°C)	出口(°C)	15	17	20	25	27	30	32							
10	冷卻能力	kW	301/351	299/349	297/346	291/340	290/339	285/334	282/330						
	消費電力	kW	46.4/57.2	48.1/59.4	50.7/62.8	55.3/68.5	57.2/71.0	61.5/76.4	64.5/80.2						
	冷水流量	m³/h	51.8/60.4	51.4/60.0	51.1/59.5	50.1/59.5	49.9/58.3	49.0/57.4	48.5/56.8						
	冷水圧損失	kPa	63/84	62/83	61/81	59/79	59/78	57/76	56/75						
	冷卻水圧損失	m³/h	59.9/70.2	59.7/70.2	59.8/70.3	59.6/70.3	59.7/70.5	59.6/70.6	59.6/70.6						
12	冷卻能力	kW	-	-	-	-	317/389	314/386	308/380	307/358	302/353	299/349			
	消費電力	kW	-	-	-	-	48.6/60.2	51.4/63.7	56.1/69.9	57.7/71.6	62.0/77.0	65.0/80.8			
	冷水流量	m³/h	-	-	-	-	54.5/63.5	54.0/63.0	53.0/61.9	52.8/61.8	51.9/60.7	51.4/60.0			
	冷水圧損失	kPa	-	-	-	-	89/92	88/90	86/88	85/87	83/85	82/83			
	冷卻水圧損失	m³/h	-	-	-	-	62.9/73.8	62.8/73.9	62.6/73.8	62.7/73.9	62.6/74.0	62.6/73.9			
14	冷卻能力	kW	-	-	-	-	-	332/387	329/381	324/378	319/373	316/369			
	消費電力	kW	-	-	-	-	52.0/64.5	56.9/70.5	62.2/72.2	62.4/77.5	65.4/81.3	68.4/85.3			
	冷水流量	m³/h	-	-	-	-	57.1/66.6	56.1/65.5	55.7/65.0	54.9/64.2	54.4/63.5	53.9/62.8			
	冷水圧損失	kPa	-	-	-	-	75/100	73/98	72/96	70/94	69/92				
	冷卻水圧損失	m³/h	-	-	-	-	68.0/77.7	67.9/77.7	67.7/77.4	67.6/77.4	67.5/77.5	67.4/77.5			
16	冷卻能力	kW	-	-	-	-	-	-	337/401	331/393	328/390	322/384	318/380		
	消費電力	kW	-	-	-	-	52.1/65.0	57.0/71.1	63.3/72.5	65.5/77.8	65.5/81.6	65.4/81.6			
	冷水流量	m³/h	-	-	-	-	56.0/69.0	56.9/71.6	56.4/71.1	55.4/66.7	54.7/65.4	54.7/65.4			
	冷水圧損失	kPa	-	-	-	-	78/107	75/103	74/102	71/99	70/97				
	冷卻水圧損失	m³/h	-	-	-	-	66.9/80.2	66.7/79.8	66.4/79.6	66.1/79.4	66.0/79.4	66.0/79.4			

機種名		MCR-SP50KE													
冷水温度	冷卻水出口温度(°C)	20	22	25	30	32	35	37							
入口(°C)	出口(°C)	15	17	20	25	27	30	32							
10	冷卻能力	kW	158/188	157/184	156/182	152/178	152/177	149/174	147/172						
	消費電力	kW	23.0/28.8	23.9/30.0	25.4/31.8	27.8/34.9	28.6/36.0	30.8/38.9	32.4/41.7						
	冷水流量	m³/h	27.2/31.8	27.0/31.8	26.8/31.3	26.1/30.6	25.9/30.3	25.5/29.8	25.1/29.5						
	冷水圧損失	kPa	36/48	36/47	35/47	33/45	33/44	32/43	31/42						
	冷卻水圧損失	m³/h	31.1/36.8	31.2/36.8	30.9/36.8	31.0/36.7	30.9/36.7	30.9/36.7	30.9/36.7						
12	冷卻能力	kW	-	-	-	-	-	166/194	165/192	162/189	161/188	158/182			
	消費電力	kW	-	-	-	-	-	24.2/30.3	25.7/32.2	28.2/35.4	29.0/36.6	31.2/39.4	32.8/41.4		
	冷水流量	m³/h	-	-	-	-	-	28.6/33.4	28.4/33.0	27.9/32.5	27.5/32.2	27.0/31.6	26.7/31.3		
	冷水圧損失	kPa	-	-	-	-	-	39/52	39/51	38/50	37/49	36/47	35/46		
	冷卻水圧損失	m³/h	-	-	-	-	-	32.7/38.6	32.6/38.6	32.7/38.6	32.6/38.6	32.5/38.6	32.4/38.5		
14	冷卻能力	kW	-	-	-	-	-	-	170/203	171/200	170/199	167/195	163/193		
	消費電力	kW	-	-	-	-	-	26.0/32.6	28.6/35.9	29.5/37.2	31.7/40.0	33.3/41.9			
	冷水流量	m³/h	-	-	-	-	-	29.9/34.9	29.4/34.4	29.1/34.1	28.6/33.5	28.2/33.1			
	冷水圧損失	kPa	-	-	-	-	-	43/57	42/55	41/54	40/53	39/52			
	冷卻水圧損失	m³/h	-	-	-	-	-	34.4/40.5	34.3/40.4	34.3/40.5	34.1/40.5	34.0/40.4			
16	冷卻能力	kW	-	-	-	-	-	-	176/206	172/204	171/203	167/199	163/196		
	消費電力	kW	-	-	-	-	-	26.0/32.8	28.7/36.1	29.6/37.5	31.8/40.2	33.3/42.1			
	冷水流量	m³/h	-	-	-	-	-	30.3/35.8	29.6/35.1	29.4/34.9	28.7/34.2	28.4/33.7			
	冷水圧損失	kPa	-	-	-	-	-	44/59	42/57	42/57	40/55	39/53			
	冷卻水圧損失	m³/h	-	-	-	-	-	34.7/41.4	34.5/41.3	34.5/41.4	34.2/41.1	34.1/41.0			

機種名		MCR-SP120KE													
冷水温度	冷卻水出口温度(°C)	20	22	25	30	32	35	37							
入口(°C)	出口(°C)	15	17	20	25	27	30	32							
10	冷卻能力	kW	376/445	376/443	373/439	367/433	365/430	360/425	357/421						
	消費電力	kW	58.1/71.4	60.3/74.1	63.7/78.3	69.5/85.1	71.9/88.6	77.3/93.3	81.2/100.0						
	冷水流量	m³/h	65.0/76.5	64.7/76.2	64.2/75.5	63.1/74.5	62.8/74.0	61.9/73.1	61.4/72.4						
	冷水圧損失	kPa	62/84	62/84	61/82	59/80	59/80	58/79	57/78						
	冷卻水圧損失	m³/h	75.0/88.9	75.1/89.0	75.1/89.1	75.1/89.1	75.1/89.2	75.2/89.5	75.4/89.8						
12	冷卻能力	kW	-	-	-	-	-	398/468	395/464	388/456	386/453	381/448	377/445		
	消費電力	kW	-	-	-	-	-	61.0/75.1	64.6/79.4	70.8/85.7	72.5/89.3	77.9/96.0	81.7/100.7		
	冷水流量	m³/h	-	-	-	-	-	68.5/80.5	67.9/79.8	66.7/78.8	66.4/78.3	65.5/77.2	64.9/76.5		
	冷水圧損失	kPa	-	-	-	-	-	89/93	88/91	85/89	85/88	83/86	82/84		
	冷卻水圧損失	m³/h	-	-	-	-	-	78.9/93.4	78.1/93.5	78.9/93.5	78.9/93.6	78.9/93.7	78.9/93.9		
14	冷卻能力	kW	-	-	-	-	-	-	417/490	411/484	408/480	402/474	399/470		
	消費電力	kW	-	-	-	-	-	65.4/80.4	71.5/86.5	73.1/89.9	78.5/96.6	82.2/101.3			
	冷水流量	m³/h	-	-	-	-	-	71.7/84.3	70.7/83.2	70.2/82.6	69.1/81.5	68.6/80.8			
	冷水圧損失	kPa	-	-	-	-	-	75/101	73/99	72/97	70/95	69/94			
	冷卻水圧損失	m³/h	-	-	-	-	-	83.0/98.1	83.0/98.1	82.7/98.0	82.6/98.1	82.8/98.3			
16	冷卻能力	kW	-	-	-	-	-	-	421/505	414/497	411/493	405/486	401/481		
	消費電力	kW	-	-	-	-	-	65.8/80.9	71.6/86.8	73.1/90.3	78.5/96.9	82.3/101.8			
	冷水流量	m³/h	-	-	-	-	-	72.4/86.9	71.2/85.5	70.7/84.8	69.7/83.6	69.0/82.7			
	冷水圧損失	kPa	-	-	-	-	-	76/107	74/104	73/102	71/100	70/99			
	冷卻水圧損失	m³/h	-	-	-	-	-	83.7/100.8	83.5/100.4	83.3/100.4	83.2/100.3	83.1/100.2			

機種名		MCR-SP60KE										
冷水温度	冷卻水出口温度(°C)	20	22	25	30	32	35	37				
入口(°C)	出口(°C)	15	17	20	25	27	30	32				
10	冷卻能力	kW	160/215	179/214	177/212	174/209	173/207	170/204	168/201			
	消費電力	kW	27.1/33.4	28.2/34.7	2							