

MYCOM condensing unit 单机双级螺杆式压缩机组

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1 产品描述 Product Description

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产品描述 PRODUCT DESCRIPTION

- The unique large single-machine two-stage screw compressor of Maekawa
- Compact structure, space-saving installation, and convenient operation
- The oil circuit system is simple, requiring only one oil pump and one motor (variable frequency is optional). The minimum operating temperature is -60°C, achieving large capacity and low energy consumption
- Before leaving the factory, complete the pipeline connection and electrical wiring to ensure the system is clean and the installation quality is good
- Adopt the new type of TOUCH MYPRO TOUCH control cabinet
- Refrigerants used :NH3, R507A, etc

Application :

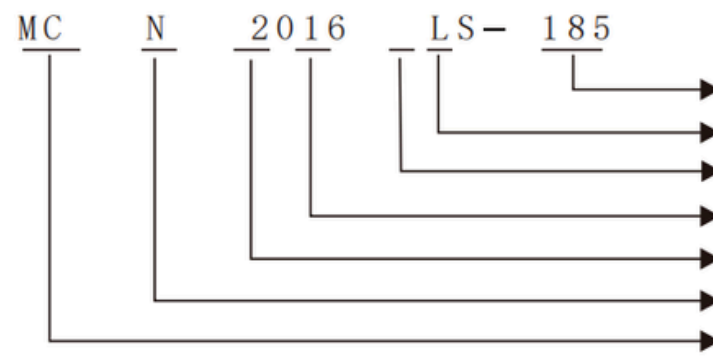
- Freezing and refrigeration (-20°C low-temperature cold storage, quick freezing, ultra-low temperature freezing of tuna)
- Food processing (IQF tunnel quick-freezing machine, frozen prepared food, dairy products, ice cream)
- Pharmaceuticals (Biochemical extraction, process cooling)
- Vacuum drying
- Chemical industry



技术参数 TECHNICAL DATA

Model		MCN1612LSC					MCN2016LSC					MCN2520LSC					
rotational speed		2950 ~ 3550RPM															
capacity control		10 ~ 100% infinite adjustment															
condensation temperature		35°C															
evaporation temperature		-35 °C	-40 °C	-45 °C	-50 °C	-55 °C	-35 °C	-40 °C	-45 °C	-50 °C	-55 °C	-35 °C	-40 °C	-45 °C	-50 °C	-55 °C	
refrigerant	NH3	Cap(kw)	145.2	114.1	87.8	66.1	48.5	298.4	234.4	180.5	136.1	100.2	588.8	462.8	356.6	269.1	198.3
		Power(kw)	74.9	67.5	60.6	54.1	48.8	149	135	121	108.5	98.4	289.3	261.9	234.7	210.4	190.8
	R404A	Cap(kw)	176.4	147.01	120.9	97.9	77.9	-	305.1	250.7	203	161.6	-	602.7	495.6	401.5	319.9
		Power(kw)	104.7	96.2	88.5	81.8	75.8	-	191.2	176.6	163.7	152.4	-	370.4	342.1	317.1	295
	R507A	Cap(kw)	181.6	151.81	125.3	101.9	81.4	-	315.2	259.9	211.2	168.8	-	622.6	513.7	417.8	334.2
		Power(kw)	107.9	99.1	91.3	84.3	78.2	-	197.1	182.1	168.8	157.1	-	381.8	352.7	326.9	304.1

型号标识 NOMENCLATURE



Number	Types	Meaning
185	-	motor power (185KW)
S	S, M, L	Length
L	S, M, L	Length
16	125~200	Diameter160
20	160~250	Diameter200
N	N/F	Refrigerant
MC	-	Qianchuan compressor unit

Model		MCN1612LS-90	MCN2016LS-185	MCN2520LS-355
dimensions	mm	L3400 × W1600 × H 2100	L4000 × W1600 × H 2200	L4800 × W2000 × H 2800
empty weight	kg	4500	5200	9000



Model			160VSD				160VMD				160VLD				200VSD			
rotational speed			2950RPM															
capacity control			10 ~100% infinite adjustment															
condensation temperature			35℃															
evaporation temperature			0℃	-10℃	-20℃	-30℃	0℃	-10℃	-20℃	-30℃	0℃	-10℃	-20℃	-30℃	0℃	-10℃	-20℃	-30℃
Economizer					✓	✓			✓	✓			✓	✓			✓	✓
refrigerant	NH3 0℃	Cap (kw)	407	272.3	196.7	124.8	509.3	340.8	245.9	157.2	610.3	408.5	294.4	188.2	804.2	538.6	389.5	249.5
		Power (kw)	77.1	72.6	68.7	64.3	92.8	87.5	82.9	72.3	110.2	103.9	98.5	85.9	149.1	140.6	133.1	116.2
	R404A 25℃	Cap (kw)	362	246.3	203.8	138.3	453.6	309	253.4	171.9	544.4	371.1	303	205.7	710.2	484.5	402	274.3
		Power (kw)	89.3	87.8	89.2	82.7	107.5	105.7	107.2	99.5	127.7	125.6	127.1	117.9	172.8	169.8	172.7	160.4
	R507A 25℃	Cap (kw)	368.5	251.5	208.6	142.1	461.8	315.5	259.4	176.6	554.3	378.9	310.1	211.4	723	494.7	411.5	281.8
		Power (kw)	91.4	89.8	91.5	84.9	110	108.2	110	102.1	130.7	128.5	130.4	121	176.8	173.8	177.3	164.6

Model			250VLD				320VSD				320VMD				320VLD			
rotational speed			2950RPM															
capacity control			10 ~100% infinite adjustment															
condensation temperature			35℃															
evaporation temperature			0℃	-10℃	-20℃	-30℃	0℃	-10℃	-20℃	-30℃	0℃	-10℃	-20℃	-30℃	0℃	-10℃	-20℃	-30℃
Economizer					✓	✓			✓	✓			✓	✓			✓	✓
refrigerant	NH3 0℃	Cap (kw)	23,910	1,603	11,610	749.2	32,050	2,160	15,610	1,008	39,990	26,810	19,450	12,550	4,699	43,150	22,830	1,472
		Power (kw)	414.4	390.6	371.3	324.3	566.5	546.1	507.4	443.5	699.9	659.7	627	547.7	822.2	774.9	736.4	643
	R404A 25℃	Cap (kw)	21,290	1,456	1,192	814.7	2,855	1,952	1,621	1,111	3,561	2,435.7	2,003	13,700	4,185	28,610	2,345	1,603
		Power (kw)	480.1	471.9	478.9	44.6	656.4	645.2	658.9	612	810.9	797.1	810.6	752.6	952.5	936.4	950.4	882.1
	R507A 25℃	Cap (kw)	2,168	41,480	1,220	2836	29,060	1,993	1,659	71,140	3,626.4	42,480	72,050	14,070	4,260	2,921	24,000	1,646
		Power (kw)	491.3	483	491.4	456.2	671.7	660.3	676.2	628.1	829.8	815.8	831.8	772.4	974.9	958.3	975.1	905.3

Model			200VMD				200VLD				250VSD				250VMD			
rotational speed			2950RPM															
capacity control			10 ~100% infinite adjustment															
condensation temperature			35℃															
evaporation temperature			0℃	-10℃	-20℃	-30℃	0℃	-10℃	-20℃	-30℃	0℃	-10℃	-20℃	-30℃	0℃	-10℃	-20℃	-30℃
Economizer					✓	✓			✓	✓			✓	✓			✓	✓
refrigerant	NH3 0℃	Cap (kw)	1,016	680.6	491.8	315.2	1,227	821.3	503.2	380.6	15,950	1,068	775.3	495.5	20,030	1,342	973.1	627
		Power (kw)	181.7	171.2	162.5	141.8	215.5	203.1	192.9	168.3	282.4	266.1	252.8	236.9	347.4	327.4	311.4	272
	R404A 25℃	Cap (kw)	896.8	612.1	502.9	342.7	1,081	738.3	603.5	411.3	1,413	965.5	801.6	548.6	1,779	12,160	1,000	683.6
		Power (kw)	210.5	206.9	210	194.9	249.7	245.4	248.7	230.7	327.1	321.6	328.3	304.9	402.4	395.6	402.5	373.7
	R507A 25℃	Cap (kw)	913	624.9	514.7	352	1,100	753.8	617.9	422.4	1,438	985.8	820.6	563.6	18,110	1,241	1,023	702.1
		Power (kw)	215.4	211.7	215.5	200	255.5	251.2	255.1	236.8	334.8	329.1	336.9	312.9	411.9	404.9	413.1	383.5

Model		MCF160VSD-110	MCF160VMD-132	MCF160VLD-160	MCF200VSD-200
dimensions	mm	L3400XW1600XH2100	L3400XW1600XH2100	L3400XW1600XH2100	L3800XW1600XH2450
empty weight	kg	3800	3900	4000	4600

Model		MCF200VMD-250	MCF200VLD-315	MCF250VSD-400	MCF250VMD-450
dimensions	mm	L3800XW1600XH2550	L3800XW1600XH2650	L5100XW1800XH3200	L5100XW1800XH3200
empty weight	kg	4700	4800	8000	8300