

浙江麦迪制冷科技股份有限公司

Zhejiang Maida Refrigeration Technology Co., Ltd

全封闭制冷压缩机规格书

HERMETIC REFRIGERATION COMPRESSOR

压缩机型号：GQR70TG

COMPRESSOR MODEL : GQR70TG

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压缩机特性规格书

PERFORMANCE FOR COMPRESSOR

机型 (MODEL): GQR70TG

1PH, 50Hz, 220-240V

1、适用范围 (APPLICATION)

蒸发温度范围 (EVAPORATING TEMP RANGE)	-15~+10℃
冷却方式 (COOLING TYPE)	风冷 (F)
制冷控制 (REFRIGERATION CONTROL)	毛细管 (CAPILLARY)
认证种类 (APPROVAL)	CCC、CB、CE
电压范围 (VOLTAGE RANGE)	220~240V
冷媒 (REFRIGERANT)	R134a

2、额定性能及测试条件 (RATED PERFORMANCE AND TEST CONDITIONS)

制冷能力 (COOLING CAPACITY)	725 (W)
输入功率 (INPUT POWER)	315 (W)
额定电流 (RATED CURRENT)	1.75(A)
能效比 (EFFICIENCY) COP	2.30(W/W)
测试工况 (ASHRAE TEST CONDITION)	中/高背压 (M/HBP)
测试电源 (TEST POWER SOURCE)	220V~50Hz 1PH
蒸发温度 (EVAPORATING TEMP)	+7.2℃
冷凝温度 (CONDENSING TEMP)	54.4℃
吸气温度 (SUNCTION TEMP)	35.0℃
过冷温度(SUBCOOLING TEMP)	46.1℃
环境温度 (AMBIENT TEMP)	35.0℃

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3、主要构造项目 (MAIN STRUCTURE)

压缩机类型 (COMPRESSOR TYPE)	全封闭型电动压缩机 (HERMTIC MOTOR-COMPRESSOR)
泵体类型 (PUMP TYPE)	往复式 (RECIPROCATING TYPE)
冷冻机油类型(OIL TYPE)	脂类油 22#
冷冻机油充注量(OIL CHARGE)	180ml
涂装(PAINTING)	黑色涂装, 烘烤干燥 (BLACK PAINT,BAKED)
净重(NET WEIGHT)	6.8Kg
吸气管内径(ID OF SUCTION TUBE)	Ø6.2±0.1
排气管内径(ID OF DISCHARGE TUBE)	Ø5.1±0.1
工艺管内径(ID OF PROCESS TUBE)	Ø6.2±0.1
残余杂质 (RESIDUAL IMPURITIES)	80mg MAX
残余水分 (RESIDUAL MOISTURE)	130mg MAX

4、电机 (MOTOR)

启动方式 (STARTING TYPE)	CSIR(PTC)
电压范围 (VOLTAGE RANGE)	187~242V
绝缘等级 (INSULATION GRADE)	B GRADE
堵转电流 (LOCKED ROTOR CURRENT)	9.0A

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5、电器元件 (ELECTRICAL COMPONENTS)

热保护 (THERMAL PROTECTOR)	
型号 (TYPE)	GQR70TG
动作温度 (TRIP TEMP)	130±5℃
复位温度 (RESET TEMP)	61±7℃
最小动作电流 (U.T.C) 75℃	2.4A
断开电流 (TURN-OFF CURRENT) 25℃	9.0A
动作时间 (TRIP TIME)	7-14sec
启动器 (STARTING RELAY)	
型号 (TYPE)	QP2-15
电阻 (RESISTANCE)	15 ± 5%Ω
复位时间 (RESET TIME)	80sec MAX
运行电容 (RUNNING CAPACITOR)	
型号 (TYPE)	/
电容值 (CAPACITY VALUE) 25℃	/
启动电容 (STARTING CAPACITOR)	
型号 (TYPE)	CD60
电容值 (CAPACITY VALUE) 25℃	60μF 330VAC 50/60Hz

压缩机规格书及附件清单

LIST OF COMPRESSOR & ACCESSORIES

机型 (MODEL): GQR70TG

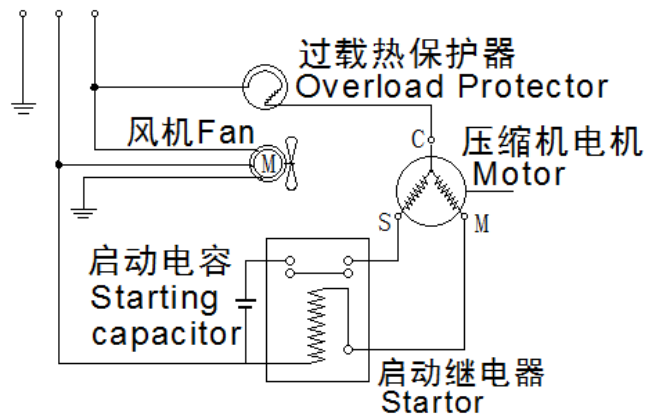
1PH, 50Hz, 220-240V

6、附件清单 (ACCESSORIES LIST)

名称 (NAME)	规格(DESCRIPTION)	数量 (QTY)
热保护 (THERMAL PROTECTOR)	GQR70TG	1
启动器 (STARTING RELAY)	QP2-15	1
运行电容 (RUNNING CAPACITOR)	/	/
启动电容 (STARTING CAPACITOR)	60 μ F	1
电机罩壳 (ELECTRICAL COVER)		1
罩壳卡簧 (COVER CLAMP)		1
减震胶座 (RUBBER GROMMET)		4
安装套管 (BUSHING)		4

7、接线方式 (ELECTRICAL WIRING DIAGRAM)

CSIR



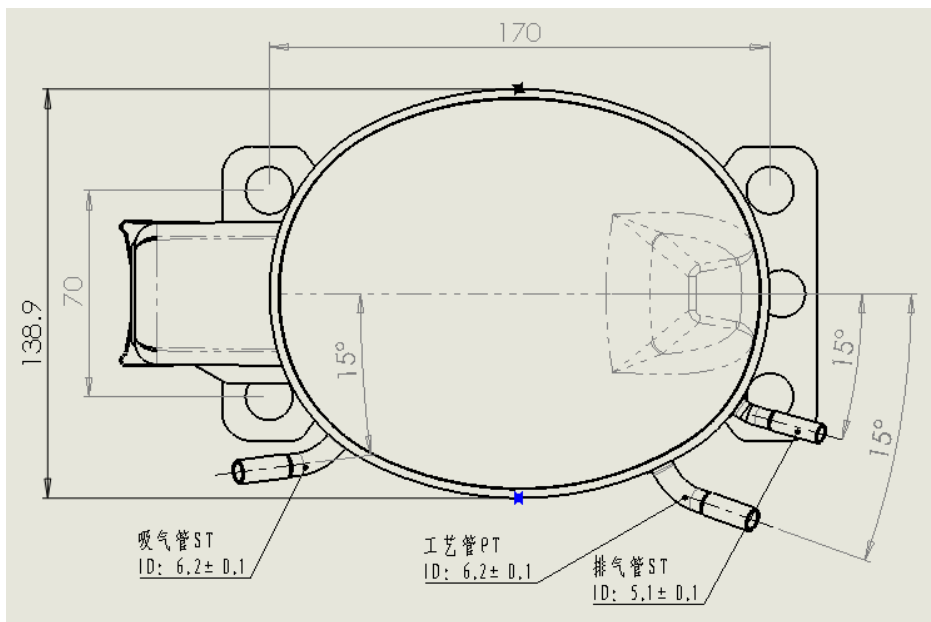
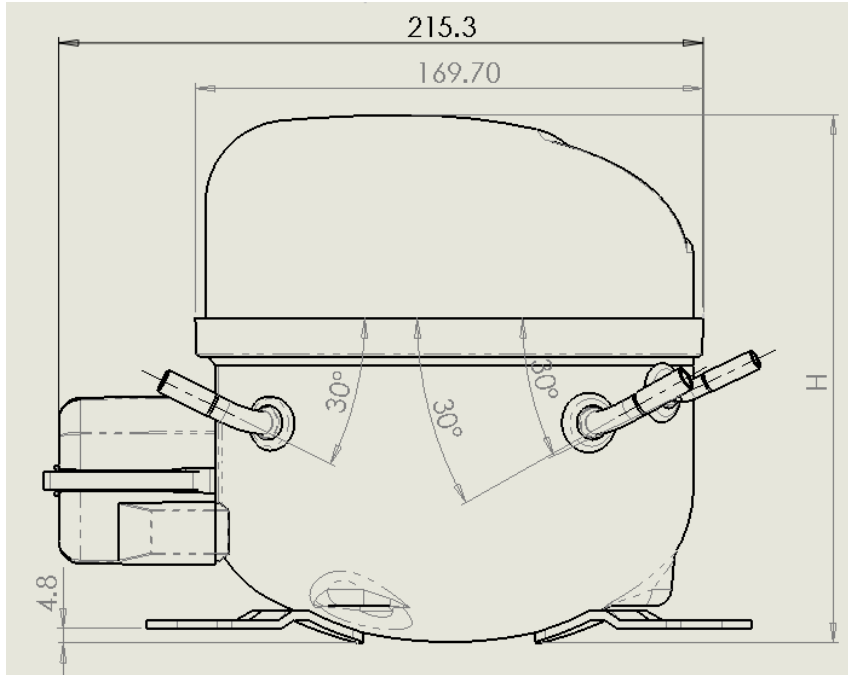
压缩机外形尺寸图

DIMENSIONS FOR COMPRESSOR

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8、压缩机外形图 (DIMENSIONS FOR COMPRESSOR) :



压缩机高度 Height value of compressor: $H=178 \pm 2\text{mm}$.

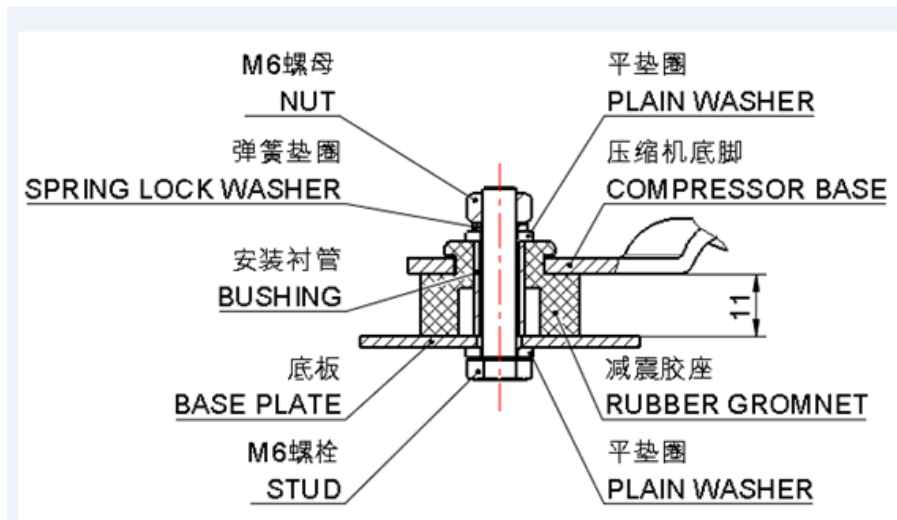
压缩机安装示意图

MOUNTING DIAGRAM FOR COMPRESSOR

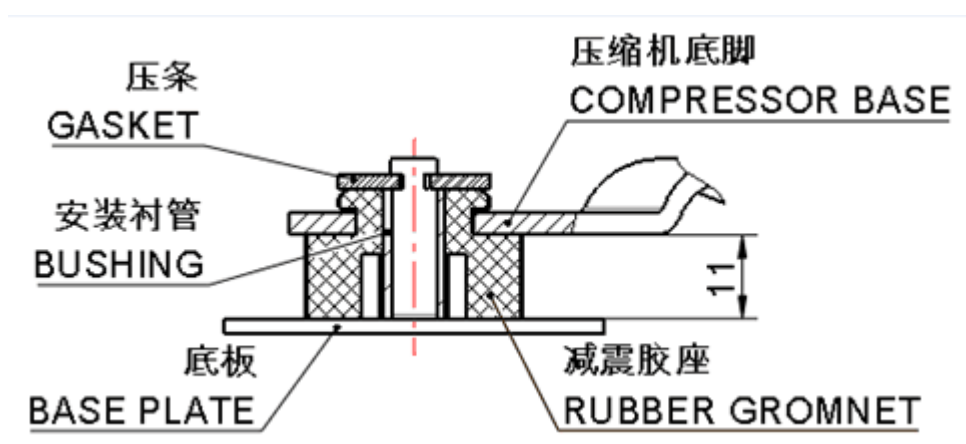
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9、安装图 (MOUNTING DIAGRAM FOR COMPRESSOR)



安装方式 (MOUNTING TYPE) :(1)



安装方式 (MOUNTING TYPE) :(2)

压缩机装运条件

TRANSPORTATION FOR COMPRESSOR

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10、包装、贮存和运输 (TRANSPORTATION FOR COMPRESSOR)

包装类型(Packing type)	一次性 (不返用) (Disposable)
运输(Transport)	火车或汽车(Train, bus, vessel)
堆码层数(Stacking layers)	最多两层(not more than two layers)
型号(Model)	GQR70TG
搬运(Moving)	保持压缩机正常和垂直状态(Keep the compressor normal and vertical status)