

DING YUAN



30年专注工业制冷

定制化解决方案

30 YEARS FOCUS ON
INDUSTRIAL REFRIGERATION CUSTOMIZED SOLUTIONS

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01 公司简介 Company Profile

定元主营工业制冷、中央供料、模温控制、除湿干燥、粉碎回收等设备、同时含括以上设备的生产制造及工程承包安装。

1990年，东莞市定元塑料机械店铺成立，主要销售塑料机械设备；

1995年，东莞市定元塑料机械设备有限公司成立，自主研发生产销售塑料机械设备；

1998年，香港定元实业有限公司成立，加快了定元的自主研发生产销售脚步，使得定元在行业里稳中进步，逐渐扩大规模；

2008年，东莞市定元实业有限公司成立，加速定元的多元化发展，期间获得多项荣誉和荣获多项专利证书。新增经营范围：中央供冷及中央空调工程、中央供料工程、除湿干燥以及粉碎回收工程的各项设备设施；

2022年，增资扩产，海纳百川；浙江定元智能科技有限公司成立，与东莞和香港定元公司共同构建定元实业集团。定元的各项研发生产以“工业4.0”为中心，打造一个智能化时代，为新一轮工业革命贡献一份力量。

研发
R & D

生产
Manufacture

销售
Sell

服务
Service

Dingyuan is mainly engaged in industrial chilling and refrigeration, central feeding, mold temperature control, dehumidification & drying, crushing & recycling equipment and system etc, as well as manufacturing and engineering contracting and installation of the above equipment and system.

In 1990, Dongguan Dingyuan Plastic Machinery Store was established, mainly selling plastic machinery and equipment;

In 1995, Dongguan Dingyuan Plastic Machinery Equipment Co., Ltd. was established to independently develop, produce and sell plastic machinery and equipment;

In 1998, Hong Kong Dingyuan Industrial Co., Ltd. was established, which accelerated the pace of Dingyuan's independent research and development, production and sales, and enabled Dingyuan to make steady progress in the industry and gradually expand our scale;

In 2008, Dongguan Dingyuan Industrial Co., Ltd. was established to accelerate the diversified development of Dingyuan. During this period, we have won much honors and a number of patent certificates. Newly added business scope: various equipment and facilities for central cooling and central air conditioning projects, central feeding projects, dehumidification drying and crushing and recycling projects;

In 2022, we increased capital and expanded production with embracement of various talents, Zhejiang Dingyuan Intelligent Technology Co., Ltd. was established, and together with Dongguan and Hong Kong Dingyuan companies, Dingyuan Industrial Group was established. Dingyuan's R&D and production are centered on "Industry 4.0", creating an intelligent era and contributing to a new round of industrial revolution.

DING YUAN



02

荣誉资质

Enterprise Honor



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01

AIR COOLED CHILLER

风冷冷水机

产品简介 | PRODUCT INTRODUCTION

DY-FSC系列工业冷水机广泛用于塑料和橡胶制造、电子产品、电镀、医学化学、超声波冷却和印刷等行业,可准确地为现代工业生产提供所需的温度,并大大提高效率和产品质量。DingYuan工业冷水机操作简单,设计合理,质量过硬,有一百多种型号。它适用于需要精确控制冷却水流量的行业,并且被认为是现代工业必不可少的设备。

产品特点 | PRODUCT FEATURES

- 能效标识达到一级能效指标以上；
- 环境温度60℃下运行稳定、安全、可靠；
- P.I.D. 控制——操作方便,精确控制温度范围3~50℃。精度:±0.1℃；
- 全新进口名牌压缩机；
- 知名品牌水泵；
- 知名品牌电器及其他零配件；
- 自主品牌的自主设计研发的高效冷凝器和蒸发器,确保超强制冷；
- 变频大功率、大风量、低噪音散热风扇——确保散热良好；
- 管道设计好且合理,降低售后故障率及维护成本；
- 智能控制面板显示屏——显示冷冻水进出水温度及各个具体故障提示(各个故障一目了然),并提供可视化、直观的设置；
- 主要的九类保护安全保护功能。



The DY-FSC series industrial cooled chillers are widely used in many industries like: plastic and rubber manufacturing, electronic productions, electroplating, medical chemistry, ultrasonic cooling and printing business, etc. It could accurately provideneeded temperature for modern industrial manufacturing and largely improve efficiency and product quality. Dingyuan Industrial cooled chillers are with simple operation, reasonable design and superior quality with more than one hundred different models. It is applicable to the industry that requires flow of precisely controlled chilled water, and considered as indispensable equipment for modern industry.

- Energy label reaches above the 1st level energy efficiency index.
- Run stably, safely and reliably under the ambient temperature 60℃.
- P.I.D. control--easily operate, accurately control temp range from 3~50℃. Precision: ±0.1℃.
- Brand-new imported famous brand compressor.
- Well-known brand water pump.
- Famous brand electricity and other spare parts.
- Own brand independently designed and developed high efficiency. condenser and evaporator to ensure super refrigeration.
- Frequency high power, big air flow rate and low-noise cooling fan--ensures nice heating dissipation.
- Well designed and reasonable pipelines to reduce after-sales failures and costs.
- Intelligent control panel display--shows temperatures of outlet and inlet chilled water and each specific Error on(It is clear to know each Error) and provides visualized and direct setting.
- Main nine type comprehensive protection functions.

参数规格 | SPECIFICATION

型号 Model	单位 Unit	DY-FSC 3A	DY-FSC 5A	DY-FSC 6A	DY-FSC 8A	DY-FSC 10A	DY-FSC 15A	DY-FSC 20A	DY-FSC 25A	DY-FSC 30A	DY-FSC 35A	DY-FSC 40A	DY-FSC 50A
冷冻能力 Cooling capacity	KW	9.15	11.8	14.5	23.6	29	38.4	61.2	72.2	91.8	102.8	122.4	144.4
	kBTU/Hr	31.2	40.3	49.5	80.6	99	131.2	209	246.6	313.5	351.1	418	493.2
制冷剂 Refrigerant Type	-	R22/R407C/R134A/R410A											
压缩机 Compressor Motor	KW/HP	2.6/3.5	3/4	3.7/5	4/5	7.5/10	11.25/15	15/20	18/25	22.5/30	26.2/35	30/40	37.5/50
冷却风量 Air Flow	M³/Hr	4235	7020	7020	11160	11160	22860	31800	31800	40500	40500	70800	70800
风扇直径 Fan Diameter	MM	400*1	350*2	350*2	450*2	450*2	500*3	550*3	550*3	630*3	630*3	600*6	600*6
电压 Voltage	-	3∅ 220V~460V 50hz/60hz											
水箱容量 Water Tank	L	52	52	52	200	200	260	390	400	460	750	750	750
水泵功率 Pump Power	KW/HP	0.37/0.5	0.37/0.5	0.75/1	0.75/1	0.75/1	1.5/2	1.5/2	2.2/3	2.2/3	4/5	4/5	4/5
扬程 Pump Head	M	16	16	18	18	18	19	19	19	19	30	30	30
水泵流量 Flow Rate	L/Min	90	90	120	250	250	300	300	400	400	500	500	500
	M³/Hr	5.4	5.4	7.2	15	15	18	18	24	24	32	32	32
运行电流 Running Current	AMP	5.7	6.6	8.5	13	15.7	24.3	31.6	39.6	47.8	58.6	68.7	81.3
总功率 Input Power	KW	3.16	3.67	4.75	7.2	8.73	13.5	17.6	22	26.5	32.6	38.2	45.2
绝缘材料 Insulation Material	-	发泡胶带、橡胶套管 POLY-FOAM TAPE RUBBERIZED TUBU INSULATION											
尺寸 Dimension	MM	700*560*1100	1170*600*1130	1420*800*1500		2150*850*1800		2300*1050*1760		2600*1045*1810		2600*1780*1845	
净重 Net Weight	KG	155			420		600		730		920		1300

02

WATER COOLED CHILLER

水冷冷水机

产品简介 | PRODUCT INTRODUCTION

DY-FSC系列工业冷水机广泛用于塑料和橡胶制造、电子产品、电镀、医学化学、超声波冷却和印刷等行业,可准确地为现代工业生产提供所需的温度,并大大提高效率和产品质量。DingYuan工业冷水机操作简单,设计合理,质量过硬,有一百多种型号。它适用于需要精确控制冷却水流量的行业,并且被认为是现代工业必不可少的设备。

产品特点 | PRODUCT FEATURES

- 能效标识达到一级能效指标以上；
- 环境温度60℃下运行稳定、安全、可靠；
- P.I.D. 控制——操作方便,精确控制温度范围3~50℃。精度:±0.1℃；
- 全新进口名牌压缩机；
- 知名品牌水泵；
- 知名品牌电器及其他零配件；
- 自主品牌自主设计研发高效冷凝器和蒸发器,确保超强制冷；
- 管道设计好且合理,降低售后故障率及维护成本；
- 智能控制面板显示屏——显示冷冻水进出水温度及各个具体故障提示(各个故障一目了然),并提供可视化、直观的设置；
- 主要的九类保护安全保护功能。

参数规格 | SPECIFICATION

型号 Model	单位 Unit	DY-FSC 5W	DY-FSC 6W	DY-FSC 8W	DY-FSC 10W	DY-FSC 15W	DY-FSC 20W	DY-FSC 25W	DY-FSC 30W	DY-FSC 40W	DY-FSC 50W
冷冻能力 Cooling Capacity	KW	11.8	14.5	23.6	29	38.4	61.2	72.2	91.8	122.4	144.4
	kBTU/Hr	40.3	49.5	80.6	99	131.2	209	246.6	313.5	418	493.2
制冷剂 Refrigerant Type	-	R22/R407C/R134A/R410A									
	KW	3/4	3.7/5	6/8	7.5/10	11.25/15	15/20	18/25	22.5/30	30/40	37.5/50
冷却水量 Cooling Water Flow	L/Min	58	77	100	120	200	250	300	360	440	560
	-	3∅ 220V~460V 50hz/60hz									
水箱容量 Water Tank Capacity	L	52	52	200	200	260	390	460	460	750	750
	KW	0.37/0.5	0.75/1	0.75/1	0.75/1	1.5/2	1.5/2	2.2/3	2.2/3	4/5	4/5
扬程 Pump Head	M	16	17	18	18	19	19	20	20	20	20
	L/MIN	50-100	100-200	100-200	100-200	160-320	160-320	250-500	400-800	630-1200	630-1200
运行电流 Running Current	AMP	5.9	8	12	15	22.5	30	38	44	61	80
	KW	3.3	4.5	6.75	8.2	12.5	16.5	21	24.2	33.7	44.5
绝缘材料 Insulation Material	-	发泡胶带、橡胶套管 POLY-FOAM TAPE RUBBERIZED TUBU INSULATION									
	MM	865*530*1010	790*610*1160	1070*685*685	1270*710*1270	1680*710*1700	1680*810*1770		1800*1100*1600	2300*1100*1600	
净重 Net Weight	KG	125	170	240	320	570	680	780	920	1180	1300



The DY-FSC series industrial cooled chillers are widely used in many industries like: plastic and rubber manufacturing, electronic productions, electroplating, medical chemistry, ultrasonic cooling and printing business, etc. It could accurately provideneeded temperature for modern industrial manufacturing and largely improve efficiency and product quality. Dingyuan Industrial cooled chillers are with simple operation, reasonable design and superior quality with more than one hundred different models. It is applicable to the industry that requires flow of precisely controlled chilled water, and considered as indispensable equipment for modern industry.

- Energy label reaches above the 1st level energy efficiency index.
- Run stably, safely and reliably under the ambient temperature 60℃.
- P.I.D. control--easily operate, accurately control temp range from 3~50℃. Precision: ±0.1℃.
- Brand-new imported famous brand compressor.
- Well-known brand water pump.
- Famous brand electricity and other spare parts.
- Own brand independently designed and developed high efficiency condenser and evaporator to ensure super refrigeration.
- Well designed and reasonable pipelines to reduce after-sales failures and costs.
- Intelligent control panel display--shows temperatures of outlet and inlet chilled water and each specific Error on(It is clear to know each Error) and provides visualized and direct setting.
- Main nine type comprehensive protection functions.

03

DC-INVERTER
COOLED CHILLER

直流变频冷水机

产品简介 | PRODUCT INTRODUCTION

工业直流变频冷水机广泛应用于塑料和橡胶制造、电子产品、电镀、医学化学、超声冷却和印刷等行业。DingYuan变频直流冷水机较之其他冷水机，在使用过程中可以节省将近30%的电。节约了生产成本的同时，也准确地为现代工业生产提供所需的温度，并大大提高效率和产品质量。

产品特点 | PRODUCT FEATURES

- 全新知名品牌压缩机和高效壳管式冷凝器、蒸发器组合、超强制冷、宁静省电；
- P.I.D.微电脑全功能控制，操作简便，能精确控制水温3~50℃内，精度±0.1℃；
- 内部管路布局合理，有效降低能耗；
- 具有电流过载保护、高低压制及电子时间延迟等完善的安全保护装置、异常指示系统；
- 特有全新设计之不锈钢开放式水箱，清洗、修护方便快捷；
- 屏幕同时液晶显示冷水出口、冷水入口和设备设定温度；
- 经过工业造型设计，外形美观，优化人机关系。

参数规格 | SPECIFICATION

型号 Model	单位 Unit	水冷式 Water Cooled Type		风冷式 Air Cooled Type	
		DY-DCWC 2~8HP	DY-DCWC 3~16HP	DY-DCAC 2~8HP	DY-DCAC 3~16HP
冷冻能力 Cooling Capacity	KW	6.15~21.5	4.95~49.1	6.15~21.5	4.95~49.1
	kBTU/Hr	24.4~85.3	19.4~194.9	24.4~85.3	19.4~194.9
制冷剂 Refrigerant Type	-	R410A			
压缩机 Compressor Motor	KW/HP	2~8HP	3~16HP	2~8HP	3~16HP
电压 Voltage	-	220V-460V/3PHASE(50Hz-60Hz)			
水箱容量 Water Tank Capacity	L	200	280	200	280
水泵功率 Pump Power	KW/HP	1.5/2	2.2/3	1.5/2	2.2/3
扬程 Pump Head	M	19	20	19	20
水泵流量 Flow Rate	L/Min	300	400	300	400
	M³/Hr	18	24	18	24
运行电流 Running Current	AMP	10.7	11.7	11	12.1
总功率 Input Power	KW	7.5	14.2	8.1	14.8
绝缘材料 Insulation Material	-	发泡胶带、橡胶套管 POLY-FOAM TAPE RUBBERIZED TUBU INSULATION			
尺寸 Dimension	MM	1300*750*1400	1680*805*1720	1450*850*1550	2150*850*1800
净重 Net Weight	KG	400	700	530	850



Industrial DC-inverter cooled chiller are widely used in many industries like: plastic and rubber manufacturing, electronic productions, electroplating, medical chemistry, ultrasonic cooling and printing business,etc. Compared with other chillers, Dingyuan Industrial DC-inverter Cooled Chiller can save nearly 30% of electricity during use. While saving production costs, it also could accurately provide needed temperature for modern industrial manufacturing and largely improve efficiency and product quality.

- Adopts new famous brand compressor, high efficiency shell and tube type condenser and evaporator to ensure super refrigeration, quiet and electricity saving.
- P.I.D. Microprocessor control-easy to operate, accurately maintains temperature range from 3-50℃, Precision: ±0.1℃
- Well designed and reasonable pipelines-ensures power supply and saves energy.
- Current-overload protector, high-and-low pressure switches, electronic time delayer, fault display system-safe and durable. Special open type reservoir tank with stainless steel-easy to clean and maintain.
- Liquid crystal display showing temperatures of outlet and inlet chill water-provides visualized and direct setting.
- Industrial designed-elegant and ergonomic.

04

WATER COOLED
SINGLE-HEAD
SCREW CHILLER

水冷单机头螺杆式冷水机
(40-120HP)

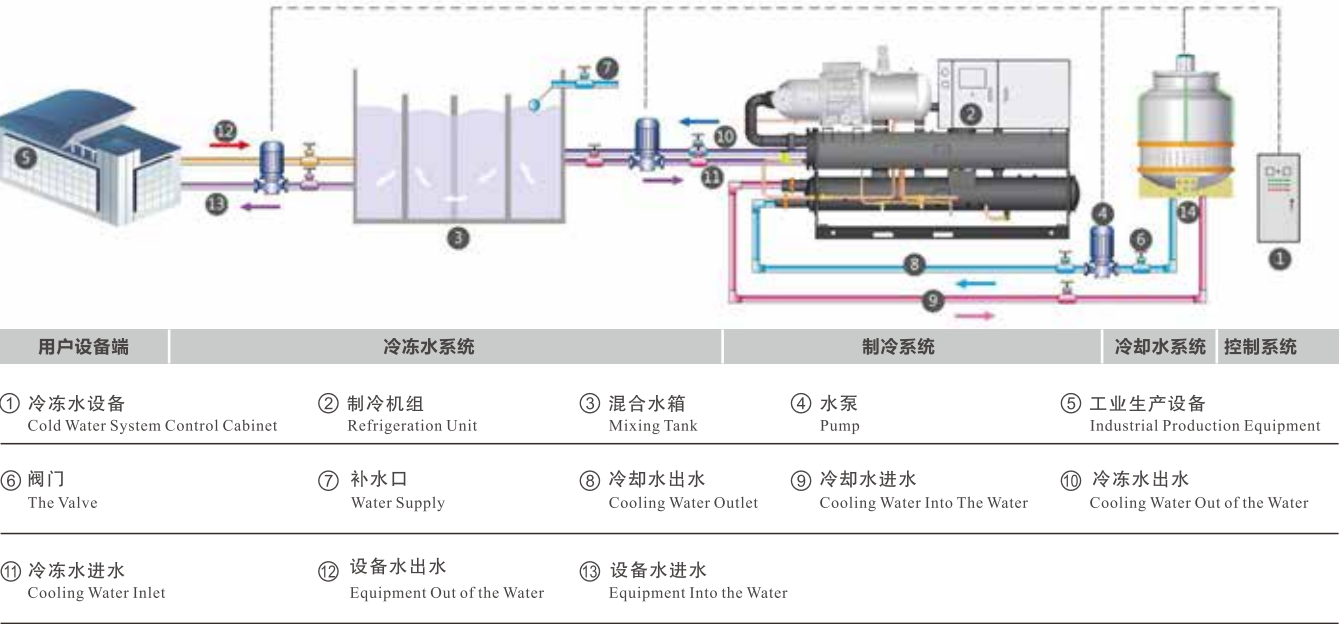
产品简介 | PRODUCT INTRODUCTION

DY-FSQ系列工业螺杆冷水机采用螺杆压缩机融合高效的蒸发器和冷凝器，使其制冷效果大且好，广泛应用于需要大型制冷的场合。通常作为中央空调制冷的主机以及其他民用和工业领域制冷。例如：民用：商业大厦、娱乐中心、宾馆、医院、影剧院、体育馆、大型商场等；工业：塑胶和橡胶、制药、纺织、化工、食品、电子工业等。

产品特点 | PRODUCT FEATURES

- 能效标识达到一级能效指标以上；
- 环境温度43℃下运行稳定、安全、可靠；
- PLC控制——操作方便，精确控制温度范围3~50℃。精度：±0.1℃
- 全新进口名牌半螺杆压缩机，确保冷水机高效稳定运行；
- EER/COP高，比一般涡旋式冷水机更节能；
- 进口名牌优质零配件及国内行业领先零部件，确保冷水机更好的性能；
- 自有品牌自主设计研发高效冷凝器和蒸发器，确保超强制冷；
- 精心设计合理的管路，减少售后故障和成本；
- 智能PLC触摸屏控制显示——显示冷冻水进出水温度及各个具体故障提示（各个故障一目了然），并提供可视化、直观的设置；可以通过触摸屏来设置和查看信息；
- 多重保护功能，确保对冷水机的全面保护。

工作示意图 | WORKING DIAGRAM



The DY-FSQ series industrial screw Chillers adopt screw compressor and high efficiency of evaporator and condenser, makes it has big and good cooling effect. It is widely used in need large refrigeration occasion. It is always used as the host machine of central air conditioner and other civil and industrial fields. For example: For civil field: commercial buildings, entertainment centers, hotels, hospitals, theatres, stadiums and shopping malls etc. For industry field: plastic and rubber, pharmaceutical, textile, chemical, food and electronic industry etc.

参数规格 | SPECIFICATION

型号 Model			DY-FSQ 40W	DY-FSQ 50W	DY-FSQ 60W	DY-FSQ 70W	DY-FSQ 80W	DY-FSQ 100W	DY-FSQ 120W
标准制冷置 Cooling Capacity		kCAL/Hr	100909	137587	180551	196566	262949	327438	387794
		KW	117.21	159.8	209.7	228.3	305.4	380.3	450.4
输入总功率 Total Input Power		KW	25.2	33.1	41.5	45.5	60.2	71.2	85.5
最大运行电流 Max Running Current		A	42.1	55.4	69.4	76.1	101	119.5	143.4
电源 Power Supply			3PH 380V 50HZ(200V/220V/415V 460V 50HZ/60HZ)						
制冷剂 Refrigerant	名称 Type		R22(R407C)						
	充注量 Charge Volume	KG	22	28	33	39	45	55	66
	控制方式 Control Method		外平衡式热力膨胀阀 Outside Balance Thermal Expansion Valve						
压缩机 Compressor	类型 Type		半封闭螺杆式 Semi-hermetic Screw						
	功率 Power	KW	24.9	32.8	41.2	45.2	59.9	70.9	85.2
	启动方式 Start_up Mode		Y-△						
	运转电流 Running Current	A	41.9	55.2	69.2	75.9	100.7	119.3	143.2
	能量调节范围 Capacity Control	%	0-33%-66%-100%			0-25%-50%-75%-100%			
蒸发器 Evaporator	类型 Type		内螺纹壳管式 Shell and Tube Type with Internal Thread						
	冷冻水量 Chilled Water Flow	M³/Hr	21	26	30	43	48	55	68
	换热量 Heat Exchange	KW	117.21	159.8	209.7	228.3	305.4	380.3	450.4
冷凝器 Condenser	类型 Type		外螺纹壳管式 External Threaded Shell and Tube Type						
	冷却水量 Cooling Water Flow	M³/Hr	26	33	40	50	61	69	85
	换热量 Heat Exchange	KW	140.6	191.7	251.6	273.9	366.4	456.3	540.4
进出水管口径 Inlet/Outlet Pipe Caliber		MM	80	80	80	80	100	100	125
安全保护装置 Security Devices		压缩机过热保护、机组过载保护、高低压力保护装置、防冻保护装置、电源逆相/缺相保护源、水流开关 Compressor overheating protection, overload protection, high and low pressure protection, antifreeze protection, power supply reverse phase/open-phase protection, water flow switch.							
机械尺寸 Mechanical Dimensions	长 Length	MM	1960	2130	2450	3100	3500	3500	3750
	宽 Width	MM	855	855	985	1050	1050	1050	1050
	高 Height	MM	1540	1540	1600	1600	1600	1600	1730
机组重量 Unit Weight		KG	820	950	1120	1300	1560	1720	2030
运行重量 Operating Weight		KG	970	1060	1270	1480	1780	1960	2250

备注/Notes:

- ①制冷量是依据冷冻水入口温度:15℃, 出口温度:10℃;冷却水入水温度:32℃, 出水温度:37℃。
- ②工作范围:
- a.冷冻水温度范围:5℃至18℃;冷冻水进出水温差:5℃。
- b.冷却温度范围:30℃至40℃;冷却进出水温差:5℃。

① The cooling capacity is based on the chilled water inlet temperature 15℃, outlet temperature 10℃; Cooling inlet water temperature 32℃, outlet temperature 37℃.

②Working range:
a. Temperature range of chilled water: 5℃-18℃; Temperature difference between inlet and outlet of chilled water: 5℃;
b. Cooling temperature range: 30℃-40℃; Temperature difference between inlet and outlet cooling water: 5℃.

05

WATER COOLED
SINGLE-HEAD
SCREW CHILLER

水冷单机头螺杆式冷水机
(140-280HP)

产品简介 | PRODUCT INTRODUCTION

DY-FSQ系列工业螺杆冷水机采用螺杆压缩机融合高效的蒸发器和冷凝器，使其制冷效果大且好，广泛应用于需要大型制冷的场合。通常作为中央空调制冷的主机以及其他民用和工业领域制冷。例如：民用：商业大厦、娱乐中心、宾馆、医院、影剧院、体育馆、大型商场等；工业：塑胶和橡胶、制药、纺织、化工、食品、电子工业等。

参数规格 | SPECIFICATION

型号 Model		单位 Unit	DY-FSQ 140W	DY-FSQ 160W	DY-FSQ 180W	DY-FSQ 220W	DY-FSQ 250W	DY-FSQ 280W
标准制冷置 Cooling Capacity	kCAL/Hr		426969	536403	636020.7	769217.4	901983.6	1016582.7
	KW		495.9	623	738.7	893.4	1047.6	1180.7
输入总功率 Total Input Power		KW	95	116.5	135.8	161.4	190.1	213.7
最大运行电流 Max Running Current		A	159.5	195.5	228	271	319.2	359
电源 Power Supply		-	3PH 380V 50HZ(200V/220V/415V 460V 50HZ/60HZ)					
制冷剂 Refrigerant	名称 Type	-	R22(R407C)					
	充注量 Charge Volume	KG	77	88	99	121	138	154
	控制方式 Control Method	-	外平衡式热力膨胀阀 Outside Balance Thermal Expansion Valve					
压缩机 Compressor	类型 Type	-	半封闭螺杆式 Semi-hermetic Screw					
	功率 Power	KW	94.7	116.2	135.5	161.1	189.8	213.4
	启动方式 Start-up Mode	-	Y-△					
	运转电流 Running Current	A	159.3	195.3	227.8	270.8	319	358.8
	能量调节范围 Capacity Control	%	0-25%-50%-75%-100%					
蒸发器 Evaporator	类型 Type	-	内螺纹壳管式 Shell and Tube Type with Internal Thread					
	冷冻水量 Chilled Water Flow Rate	M³/Hr	75	84	103	120	136	154
	换热量 Heat Exchange	KW	495.9	623	738.7	893.4	1047.6	1180.7
冷凝器 Condenser	类型 Type	-	外螺纹壳管式 External Threaded Shell and Tube Type					
	冷却水量 Cooling Water Flow Rate	M³/Hr	93	110	126	147	167	186
	换热量 Heat Exchange	KW	595	747.6	886.4	1072	1257	1416.8
进出水管口径 Inlet/Outlet Pipe Caliber		MM	125	125	150	150	150	150
安全保护装置 Security Devices		压缩机过热保护、机组过载保护、高低压力保护装置、防冻保护装置、电源逆相/缺相保护源、水流开关 Compressor overheating protection, overload protection, high and low pressure protection, antifreeze protection, power supply reverse phase/open-phase protection, water flow switch.						
机械尺寸 Mechanical Dimensions	长 Length	MM	4100	4200	4250	4370	4550	4850
	宽 Width	MM	1050	1250	1350	1350	1550	1750
	高 Height	MM	1730	1730	1760	1760	1820	1820
机组重量 Unit Weight		KG	2200	2410	2630	3050	3160	3350
运行重量 Operating Weight		KG	2430	2470	2920	3270	3420	3620

备注/Notes:

- ①制冷量是依据冷冻水入口温度:15℃。
- 出口温度:10℃;冷却水入水温度:32℃, 出水温度:37℃。

①The cooling capacity is based on the chilled water inlet temperature 15℃, outlet temperature 10℃; Cooling inlet water temperature 32℃, outlet temperature 37℃.

- ②工作范围:
- a.冷冻水温度范围:5℃至18℃;冷冻水进出水温差:5℃。
- b.冷却温度范围:30℃至40℃;冷却进出水温差:5℃。

②Working range:
a. Temperature range of chilled water: 5℃-18℃; Temperature difference between inlet and outlet of chilled water: 5℃;
b. Cooling temperature range: 30℃-40℃; Temperature difference between inlet and outlet cooling water: 5℃.



06

WATER COOLED
DOUBLE-HEAD
SCREW CHILLER

水冷双机头螺杆式冷水机
(100-240HP)



产品简介 | PRODUCT INTRODUCTION

DY-FSQ系列工业螺杆冷水机采用螺杆压缩机融合高效的蒸发器和冷凝器，使其制冷效果大且好，广泛应用于需要大型制冷的场合。通常作为中央空调制冷的主机以及其他民用和工业领域制冷。例如：民用：商业大厦，娱乐中心、宾馆、医院、影剧院、体育馆、大型商场等；工业：塑胶和橡胶、制药、纺织、化工、食品、电子工业等。

The DY-FSQ series industrial screw Chillers adopt screw compressor and high efficiency of evaporator and condenser, makes it has big and good cooling effect. It is widely used in need large refrigeration occasion. It is always used as the host machine of central air conditioner and other civil and industrial fields. For example: For civil field: commercial buildings, entertainment centers, hotels, hospitals, theatres, stadiums and shopping malls etc. For industry field: plastic and rubber, pharmaceutical, textile, chemical, food and electronic industry etc.

参数规格 | SPECIFICATION

型号 Model			DY-FSQ 100W	DY-FSQ 120W	DY-FSQ 150W	DY-FSQ 180W	DY-FSQ 200W	DY-FSQ 240W
标准制冷置 Cooling Capacity		kCAL/Hr	275175.6	361103.4	479232.6	619747.8	654876.6	775588.8
		KW	319.6	419.4	556.6	719.8	760.6	900.8
输入总功率 Total Input Power		KW	66.2	83.13	110.6	135.4	142.4	171
最大运行电流 Max Running Current		A	110.8	138.8	185.2	227.2	239.2	286.8
电源 Power Supply		-	3PH - 380V 50HZ(200V/220V/415V 460V 50HZ/60HZ)					
制冷剂 Refrigerant	名称 Type	-	R22(R407C)					
	充注量 Charge Volume	KG	55	66	83	100	110	132
	控制方式 Control Method	-	外平衡式热力膨胀阀 Outside Balance Thermal Expansion Valve					
压缩机 Compressor	类型 Type	-	半封闭螺杆式 Semi-hermetic Screw					
	功率 Power	KW	65.6	82.4	110	134.8	141.8	170.4
	启动方式 Start-up Mode	-	Y-△					
	运转电流 Running Current	A	110.4	138.4	184.8	226.8	238.6	286.4
	能量调节范围 Capacity Control	%	0-33%-66%-100%			0-25%-50%-75%-100%		
蒸发器 Evaporator	类型 Type	-	内螺纹壳管式 Shell and Tube Type with Internal Thread					
	冷冻水量 Chilled Water Flow Rate	M³/Hr	52	60	86	96	110	136
	换热量 Heat Exchange	KW	319.6	419.4	556.6	719.8	760.6	900.8
冷凝器 Condenser	类型 Type	-	外螺纹壳管式 External Threaded Shell and Tube Type					
	冷却水量 Cooling Water Flow Rate	M³/Hr	66	80	108	122	138	170
	换热量 Heat Exchange	KW	383.5	503.2	667.9	863.7	912.7	1080.9
进出水管口径 Inlet/Outlet Pipe Caliber		MM	100	100	125	150	150	150
安全保护装置 Security Devices		压缩机过热保护、机组过载保护、高低压力保护装置、防冻保护装置、电源逆相/缺相保护源、水流开关 Compressor overheating protection, overload protection, high and low pressure protection, antifreeze protection, power supply reverse phase/open-phase protection, water flow switch.						
机械尺寸 Dimensions	长 Length	MM	3600	3850	3860	3910	4050	4150
	宽 Width	MM	765	765	765	875	875	1320
	高 Height	MM	1750	1750	1750	1950	1950	2150
机组重量 Unit Weight		KG	1920	2250	2610	2820	3460	3920
运行重量 Operating Weight		KG	2230	2550	2860	3240	3830	4330

备注/Notes:

- ①制冷量是依据冷冻水入口温度:15℃。
出口温度:10℃;冷却水入水温度:32℃,出水温度:37℃。

①The cooling capacity is based on the chilled water inlet temperature 15℃. outlet temperature 10℃; Cooling inlet water temperature 32℃, outlet temperature 37℃.

- ②工作范围:
a.冷冻水温度范围:5℃至18℃;冷冻水进出水温差:5℃。
b.冷却温度范围:30℃至40℃;冷却进出水温差:5℃。

②Working range:
a. Temperature range of chilled water: 5℃-18℃; Temperature difference between inlet and outlet of chilled water: 5℃;
b. Cooling temperature range: 30℃-40℃; Temperature difference between inlet and outlet cooling water: 5℃.

07

WATER COOLED
DOUBLE-HEAD
SCREW CHILLER

水冷双机头螺杆式冷水机
(280-560HP)



产品简介 | PRODUCT INTRODUCTION

DY-FSQ系列工业螺杆冷水机采用螺杆压缩机融合高效的蒸发器和冷凝器，使其制冷效果大且好，广泛应用于需要大型制冷的场合。通常作为中央空调制冷的主机以及其他民用和工业领域制冷。例如：民用：商业大厦，娱乐中心、宾馆、医院、影剧院、体育馆、大型商场等；工业：塑胶和橡胶、制药、纺织、化工、食品、电子工业等。

The DY-FSQ series industrial screw Chillers adopt screw compressor and high efficiency of evaporator and condenser, makes it has big and good cooling effect. It is widely used in need large refrigeration occasion. It is always used as the host machine of central air conditioner and other civil and industrial fields. For example: For civil field: commercial buildings, entertainment centers, hotels, hospitals, theatres, stadiums and shopping malls etc. For industry field: plastic and rubber, pharmaceutical, textile, chemical, food and electronic industry etc.

参数规格 | SPECIFICATION

型号 Model		单位 Unit	DY-FSQ 280W	DY-FSQ 320W	DY-FSQ 360W	DY-FSQ 440W	DY-FSQ 500W	DY-FSQ 560W
标准制冷置 Cooling capacity		kCAL/Hr	853939.8	1072806	1272041.4	1538434.8	1803967.2	2033165.4
		KW	991.8	1246	1477.4	1786.8	2095.2	2361.4
输入总功率 Total input power		KW	190	233	271.6	322.8	380.2	427.4
最大运行电流 Max running current		A	319	391	456	542	638.4	718
电源 Power supply		-	3PH - 380V 50HZ(200V/220V/415V 460V 50HZ/60HZ)					
制冷剂 Refrigerant	名称 Type	R22(R407C)						
	充注量 Charge Volume	KG	154	176	200	242	275	308
	控制方式 Control Method	-	外平衡式热力膨胀阀 Outside Balance Thermal Expansion Valve					
压缩机 Compressor	类型 Type	半封闭螺杆式 Semi-hermetic Screw						
	功率 Power	KW	189.4	232.4	271	322.2	379.6	426.8
	启动方式 Start-up Mode	-	Y-△					
	运转电流 Running Current	A	318.6	390.6	455.6	541.6	638	717.6
	能量调节范围 Capacity Control	-	0-25%-50%-75%-100%					
蒸发器 Evaporator	类型 Type	内螺纹壳管式 Shell and Tube Type with Internal Thread						
	冷冻水量 Chilled Water Flow Rate	M3/Hr	150	168	206	240	273	308
	换热量 Heat Exchange	KW	991.8	1246	1477.4	1786.8	2095.2	2361.4
冷凝器 Condenser	类型 Type	-	外螺纹壳管式 External Threaded Shell and Tube Type					
	冷却水量 Cooling Water Flow Rate	M³/Hr	186	220	252	294	334	362
	换热量 Heat Exchange	KW	1190	1495	1772.8	2144	2514.2	2833.6
进出水管口径 Inlet/Outlet Pipe Caliber		MM	150	150	150	150	150	150
安全保护装置 Security Devices		压缩机过热保护、机组过载保护、高低压力保护装置、防冻保护装置、电源逆相/缺相保护源、水流开关 Compressor overheating protection, overload protection, high and low pressure protection, antifreeze protection, power supply reverse phase/open-phase protection, water flow switch.						
机械尺寸 Mechanical Dimensions	长 Length	MM	4250	4730	5380	5920	6450	6450
	宽 Width	MM	1320	1320	1580	1600	1760	1760
	高 Height	MM	2150	2150	2230	2350	2360	2360
机组重量 Unit Weight		KG	4230					
运行重量 Operating Weight		KG	4560					

备注/Notes:

- ①.制冷量是依据冷冻水入口温度:15℃。
出口温度:10℃;冷却水入水温度:32℃,出水温度:37℃。

①The cooling capacity is based on the chilled water inlet temperature 15℃. outlet temperature 10℃; Cooling inlet water temperature 32℃, outlet temperature 37℃.

- ②.工作范围:
a.冷冻水温度范围:5℃至18℃;冷冻水进出水温差:5℃。
b.冷却温度范围:30℃至40℃;冷却进出水温差:5℃。

②Working range:
a. Temperature range of chilled water: 5℃-18℃; Temperature difference between inlet and outlet of chilled water: 5℃;
b. Cooling temperature range: 30℃-40℃; Temperature difference between inlet and outlet cooling water: 5℃.

08

AIR COOLED
SINGLE-HEAD
SCREW CHILLER

风冷单机头螺杆式冷水机



产品简介 | PRODUCT INTRODUCTION

DY-FSQ系列工业风冷螺杆冷水机采用螺杆压缩机融合高效的蒸发器和冷凝器,使其制冷效果大且好,广泛应用于需要大型制冷的场合。通常作为中央空调制冷的主机以及其他民用和工业领域制冷。例如:民用:商业大厦、娱乐中心、宾馆、医院、影剧院、体育馆、大型商场等;工业:塑胶和橡胶、制药、纺织、化工、食品、电子工业等。

The DY-FSQ series industrial air screw chillers adopt screw compressor and high efficiency of evaporator and condenser, makes it has big and good cooling effect. It is widely used in need large refrigeration occasion. It is always used as the host machine of central air conditioner and other civil and industrial fields. For example: For civil field: commercial buildings, entertainment centers, hotels, hospitals, theatres, stadiums and shopping malls etc. For industry field: plastic and rubber, pharmaceutical, textile, chemical, food and electronic industry etc.

参数规格 | SPECIFICATION

型号 Model		DY-FSQ 40A	DY-FSQ 50A	DY-FSQ 60A	DY-FSQ 70A	DY-FSQ 80A	DY-FSQ 100A	DY-FSQ 120A	
标准制冷量 Cooling Capacity		kCAL/Hr	88596.9	120712	158424	172544.4	210256	271989.9	314437.2
		KW	102.9	140.2	184	200.4	244.2	315.9	365.2
输入总功率 Total Input Power		KW	33.8	43.2	54.6	59.3	70.9	87.2	100.6
最大运行电流 Max Running Current		A	58.5	74.3	93.9	101.8	121.4	149.2	172.5
电源 Power Supply		-	3Ph 380V 50HZ(200V/220V/415V 460V 50HZ/60HZ)						
制冷剂 Refrigerant	名称 Type	-	R22(R407C)						
	充注量 Charge Volume	KG	28	35	42	49	56	70	84
	控制方式 Control Method	-	外平衡式热力膨胀阀 Outside Balance Thermal Expansion Valve						
压缩机 Compressor	类型 Type	-	半封闭螺杆式 Semi-hermetic Screw						
	功率 Power	KW	29.6	39	49	53.7	65.3	80.2	92.8
	启动方式 Start-up Mode	-	Y-△						
	运转电流 Running Current	A	49.8	65.6	82.3	90.2	109.8	134.7	156
能量调节范围 Capacity Control		%	0-33%-66%-100%			0-25%-50%-75%-100%			
蒸发器 Evaporator	类型 Type	-	内螺纹壳管式 Shell and Tube Type with Internal Thread						
	冷冻水量 Chilled Water Flow Rate	M³/Hr	18	23	26	35	43	50	60
	换热量 Heat Exchange	KW	102.9	140.2	184	200.4	244.2	315.9	365.2
冷凝器 Condenser	类型 Type	-	翅片式 High Efficiency Copper Aluminum Fins						
	风机类型 Fan Type	-	大功率轴流风机 High-power Axial Fan						
	风机功率 Fan Motor Power	KW	4.2	4.2	5.6	5.6	5.6	7	7.8
	风机电流 Fan Current	A	8.7	8.7	11.6	11.6	11.6	14.5	16.5
	换热量 Heat Exchange	KW	123.4	168.2	220.8	240.4	293	379	438.2
	风机直径和数量 Fan Dia. and Qty.	MM*Pes	600*6			600*9		630*9	600*12
冷却风量 Cooling Air Flow Rate		M³/Hr	70800			94400		118000	135000
进出水管口径 Inlet/Outlet Pipe Diameter		MM	80				100	125	
安全保护装置 Security Devices		压缩机过热保护、机组过载保护、高低压力保护装置、防冻保护装置、电源逆相/缺相保护源、水流开关 Compressor overheating protection, overload protection, high and low pressure protection, antifreeze protection, power supply reverse phase/open-phase protection, water flow switch.							
机械尺寸 Mechanical Dimensions	长 Length	MM	2000	2400		3150		4100	
	宽 Width	MM	1560	1760	2000	2140		1890	2000
	高 Height	MM	2150	2180		2200			
机组重量 Unit Weight		KG	1300	1620	1930	2260	2420	2860	3250
运行重量 Operating Weight		KG	1390	1870	2210	2420	2680	3020	3460

备注/Notes:

- ①.制冷量是依据冷冻水入口温度:15℃。出口温度:10℃;冷却风进入温度:32℃,出风温度:37℃。
- ①The cooling capacity is based on the chilled water inlet temperature 15℃. outlet temperature 10℃; Cooling inlet air temperature 32℃, outlet air temperature 37℃.

- ②.工作范围:
- a.冷冻水温度范围:5℃至18℃;冷冻水进出水温差:5℃。
- b.冷却温度范围:30℃至40℃;冷却进出水温差:5℃。
- ②Working range:
- a. Temperature range of chilled water: 5℃-18℃; Temperature difference between inlet and outlet of chilled water: 5℃;
- b. Cooling temperature range: 30℃-40℃; Temperature difference between inlet and outlet cooling water: 5℃.

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AIR COOLED
DOUBLE-HEAD
SCREW CHILLER

风冷双机头螺杆式冷水机



产品特点 | PRODUCT FEATURES

- 环境温度65℃下运行稳定、安全、可靠；
- PLC控制——操作方便,精确控制温度范围3~50℃。精度:±0.1℃;
- 全新进口名牌半螺杆压缩机,确保冷水机高效稳定运行;
- EER/COP高,比一般涡旋式冷水机更节能;
- 进口名牌优质零配件及国内行业领先零部件,确保冷水机更好的性能;
- 自有品牌自主设计研发高效冷凝器和蒸发器,确保超强制冷;
- 变频大功率、大风量、低噪音散热风扇——确保散热良好;
- 精心设计合理的管路,减少售后故障率和维护成本;

- Run stably, safely and reliably under the ambient temperature 65℃.
- PLC control--easily operate, accurately control temp range from 3~50℃. Precision: ±0.1℃.
- Brand-new imported famous brand Semi-screw compressor to ensure the efficient and stable operation of the chiller.
- High EER/COP, more energy-saving than the general scroll type chiller.
- Imported famous brand high-quality spare parts and domestic industry leading parts to ensure better performance for the chiller.
- Own brand independently designed and developed high efficiency condenser and evaporator to ensure super refrigeration.
- Frequency high power, big air flow rate and low-noise cooling fan--ensures nice heating dissipation.
- Well designed and reasonable pipelines to reduce after-sales failures and costs.

参数规格 | SPECIFICATION

型号 Model		DY-FSQ 100A	DY-FSQ 120A	DY-FSQ 150A	DY-FSQ 170A	DY-FSQ 200A	DY-FSQ 240A	
标准制冷置Cooling Capacity		kCAI/Hr	241424.4	316848	345088.8	420512.4	543979.8	628874.4
		KW	280.4	368	400.8	488.4	631.8	730.4
输入总功率Total Input Power		KW	85	105.8	116.8	140.4	172.8	199.6
最大运行电流 Max RunningCurrent		A	145.7	181.1	200.2	239.9	295.8	341.7
电源 Power Supply		-	3PH - 380V 50HZ(200V/220V/415V460V50HZ/60HZ)					
制冷剂 Refrigerant	名称 Type	-	R22(R407C)					
	充注量 Charge Volume	KG	70	84	105	120	140	168
	控制方式 Control Method	-	外平衡式热力膨胀阀 Outside Balance Thermal Expansion Valve					
压缩机 Compressor	类型 Type	-	半封闭螺杆式 Semi-hermetic Screw					
	功率 Power	KW	78	98	107.4	130.6	160.4	185.6
	启动方式 Start-up Mode	-	Y-△					
	运转电流 RunningCurrent	A	131.2	164.6	180.4	219.6	269.4	312
	能量调节范围 Capacity Control	%	0-33%-66%-100%			0-25%-50%-75%-100%		
蒸发器 Evaporator	类型 Type	-	内螺纹壳管式 Shell and Tube Type with Internal Thread					
	冷冻水量 Chilled Water	M³/Hr	46	52	71	86	100	117
	换热量 Heat Exchange	KW	280.4	368	400.8	488.4	631.8	730.4
冷凝器 Condenser	类型 Type	-	翅片式 High Efficiency Copper Aluminum Fins					
	风机类型 Fan Type	-	大功率轴流风机 High-power Axial Fan					
	风机功率 Fan Motor Power	KW	7	7.8	9.4	9.8	12.4	14
	风机电流 Fan Current	A	14.5	16.5	19.8	20.3	26.4	29.7
	换热量 Heat Exchange	KW	336.4	441.6	480.9	586.6	758.1	876.4
	风机直径和数量 Fan Dia. and Qty.	MM*Pcs	600*10	600*10	630*12	600*14	630*16	630*18
	冷却风量 CoolingAir Flow	M³/Hr	118000	135000	162000	165200	216000	243000
进水管口径 Inlet/OutletPipe Diameter		-	125	125	125	150	150	150
安全保护装置Security Devices		压缩机过热保护、机组过载保护、高低压力保护装置、防冻保护装置、电源逆相/缺相保护源、水流开关 Compressor overheating protection, overload protection, high and low pressure protection, antifreeze protection, power supply reverse phase/open-phase protection, water flow switch.						
机械尺寸 Mechanical Dimensions	长 Length	MM	4000	4100	4200	4300		4950
	宽 Width	MM	1800	2000	2100	2200		
	高 Height	MM	2100			2200		
机组重量Unit Weight		KG	2750	3300	3500	3850	4100	4350
运行重量 OperatingWeight		KG	3300	3750	4000	4400	4650	4800

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WATER MOLD TEMPERATURE CONTROLLER

水式模温机



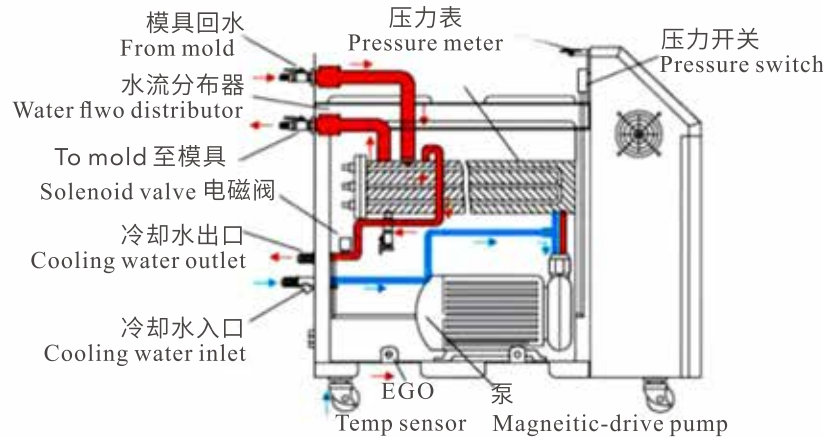
产品特点 | PRODUCT FEATURES

- 采用P.I.D控温，温度误差在±0.1度，恒温时间长，效率高，节省能源；
- 液晶屏直接显示实测温度和设定温度；
- 操作直观、简易、维修方便；
- 外形美观，节省空间；
- 六大保护功能：开机自动排气、关机自动降温、热电偶偶报警、电源缺相、异相保护、水泵保护、过热保护、缺油等保护。
- PID controller with deviation within ±0.1℃.
- LCD screen shows the setting and actual temperature of machine.
- Easy for operations and maintenance.
- Exquisite appearance with small footprint .
- There are 6 protective devices: auto-exhaust by start-up and auto-cooling by turn-off.
- Anti-phases, short of phases, water pump protection, overheat and short of oil level.

参数规格 | SPECIFICATION

型号 Model	单位 Unit	DY-MTC6-W	DY-MTC9-W	DY-MTC12-W	DY-MTC6H-W	DY-MTC9H-W	DY-MTC12H-W
传热媒介 Fluid	-	Clean Water					
温控范围 Control Temp Range	-	City Water 清水 120℃			City Water 清水 180℃		
电源 Power Supply	-	AC200V/380V/415V/50Hz3Phase					
冷却方式 Cooling Method	-	直接冷却 Direct Cooling			间接冷却 Indirect Cooling		
加热能量 Heating Capacity	KW	6	9	12	6	9	12
泵马力 Pump Power	HP	1	1	2	1	1	2
泵流量 PumpFlow	L/Min	165		235	165		235
泵压力 Pump Pressure	KG	3	3	4	6	6	6
热媒管径 Inlet/Outlet Dia.	Inch	3/8*4	3/8*4	3/8*4	3/8*4	3/8*4	3/8*4
外形尺寸 Dimensions	MM	650*310*580		800*410*630	650*310*580		800*410*630
重量 Weight	KG	54	72	90	54	72	90

工作示意图 | WORKING DIAGRAM



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OIL MOLD TEMPERATURE CONTROLLER

油式模温机



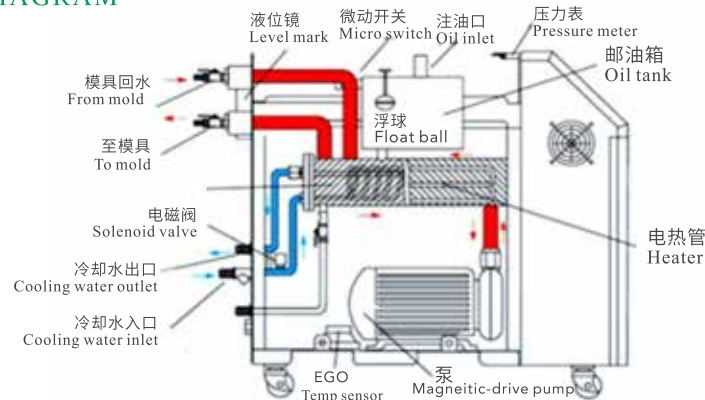
产品特点 | PRODUCT FEATURES

- 采用P.I.D控温，温度误差在±0.1℃，恒温时间长，效率高，节省能源；
- 液晶屏直接显示实测温度和设定温度；
- 操作直观、简易、维修方便；
- 不锈钢板制成容桶，耐腐蚀、不漏水(油)，寿命长；
- 日回油型可以方便快捷的实现传热油的回收；
- 外形美观，节省空间；
- 六大保护功能：开机自动排气、关机自动降温、热电偶偶报警、电源缺相、异相保护、水泵保护、过热保护、缺油等保护；
- PID controller with deviation within ±0.1℃.
- LCD screen shows the setting and actual temperature of machine.
- Easy for operations and maintenance.
- Stainless steel water tank is durable and keep from the trouble of leakage and rust.
- With recycling oil run-way.
- Exquisite appearance with small footprint.
- There are 6 protective devices: auto-exhaust by start-up and auto-cooling by turn-off. Anti-phases, short of phases, water pump protection, overheat and short of oil level

参数规格 | SPECIFICATION

型号 Model	单位 Unit	DY-MTC6-O	DY-MTC9-O	DY-MTC12-O	DY-MTC6H-O	DY-MTC12H-O
传热媒介 Fluid	-	传热油 Heat Transfer oil				
温控范围 Control Temp Range	-	常温 160℃ Room Temperature			常温 200℃-350℃ Room Temperature	
电源 Power Supply	-	AC200V/380V/415V/50HZ 3PH				
冷却方式 Cooling Method	-	间接冷却 Indirect Cooling				
加热能量 Heating Capacity	KW	6	9	12	6	12
泵马力 Pump Power	HP	1	1	2	1	2
泵流量 Pump Flow	L/Min	165	165	235	165	235
泵压力 Pump Power	KG	2	2	2.4	2	2.4
热媒管径 Inlet/Outlet Dia.	Inch	3/8*4	3/8*4	3/8*4	3/8*4	3/8*4
外形尺寸 Dimensions	MM	650*310*580		800*410*630	650*310*580	800*410*630
重量 Weight	KG	58	76	95	58	95

工作示意图 | WORKING DIAGRAM



12

DEHUMIDIFIER

单除湿机

产品简介 | PRODUCT INTRODUCTION

DH系列蜂巢转轮除湿机主要是用来对吸湿性较强的工程塑料进行高效率的除湿作业。本公司所采用的蜂巢转轮在理想状态下露点可达到--40℃;全系列采用PID温控系统为标准装备,另提供PLC控制搭配LCD触控式人机界面供选购,提供可实时监控机器除湿效果的露点计供选配,该系列产品共有14种机型,最大干燥风量可达4000m³/hr。

产品特点 | PRODUCT FEATURES

- 定元的转轮除湿机配备蜂巢转轮,造型分别分为半开放式和全密闭式两种;
- 除湿机可提供-40℃或更低的露点干燥空气。还可实现实时监控各项参数及确保露点恒定;
- 干燥空气流量可高达4,000立方米/小时;
- 采用P.I.D.温度控制系统,可精确控制再生温度。



The DH series honeycomb dehumidifiers are mainly used to dry hygroscopic engineering plastics. Our company adopts honeycomb rotor, it is used in this series to offer effective drying. The DH series adopt P.I.D temperature control as standard, with LCD touch screen and dew-point monitor as optional features. This series comprises 14 models of honeycomb dehumidifier, the largest of which can provide dry air up to a volume of 4000m³/hr.

- Dingyuan's honeycomb dehumidifier are equipped with honeycomb rotor for dehumidifying. They have two kinds of design: Fully-integral and semi-integral depending on the size.
- Dehumidifier provide dew-point of -40℃ or even lower. Also it can achieve constant detection of all the parameters and stabilize the dew-point. The largest of which can provide dry air up to a quantity of 4,000m³/hr.
- Adopts P.I.D. temperature controller to accurately control regenerative temperature.

参数规格 | SPECIFICATION

型号 Model	单位 Unit	DY-DH80	DY-DH120	DY-DH150	DY-DH200	DY-DH300	DY-DH400	DY-DH500
干燥风机 Drying Blower Power	KW	0.75	1.1	1.5	2.2	3.8	5.5	7.5
再生风机 Regen-blower Power	KW	0.2	0.375	0.375	0.375	0.75	0.75	1.5
再生电热 Regen-heater Power	KW	3.8	3.8	5.4	5.4	7.2	7.2	10
出入风口直径 Air Inlet/Outlet Dia.	Inch	2	2	2.5	2.5	3	3	4
电压 Power Supply	V	220V/380V/415V/440V/3Phase						
外形尺寸 Dimensions	MM	600*680*1300	600*780*1435	600*780*1435	630*850*1550	700*1000*1640	700*1000*1860	850*1100*1940
冷却水口 Cooling Water Pipe Dia.	MM	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
总功率 Total Power	KG	215	265	272	392	405	570	650
净重 Net Weight	KW	4.8	5.3	7.3	8	11.8	13.5	15

型号 Model	单位 Unit	DY-DH700	DY-DH1000	DY-DH1200	DY-DH1500	DY-DH2000	DY-DH3000	DY-DH4000
干燥风机 Drying Blower Power	KW	2.2			3.75	2.2*2	3.75*2	7.5*2
再生风机 Regen-blower Power	KW	2.2					2.2*2	
再生电热 Regen-heater Power	KW	12			15	12*2	15*2	30*2
出入风口直径 Air Inlet/Outlet Dia.	Inch	4	5	6			8	12
电压 Power Supply	V	220V/380V/415V/440V/3Phase						
外形尺寸 Dimensions	MM	1050*1400*2060	1050*1400*2085	1150*1500*2200	1300*1650*2270	1500*2100*2450	1900*2800*2370	1800*2600*3200
冷却水口 Cooling Water Pipe Dia.	Inch	3/4"				1 1/4"		
总功率 Total Power	KG	880	900	970	1100	1800	2200	3500
净重 Net Weight	KW	16.5			21	33	42	59.8

干燥能力参数表 | DRYING ABILITY CONSULTS A FORM

材料 Material	干燥时间 Drying Time(Hr)	干燥温度 Drying Temperature (°C)	初期含水率 Initial Moisture Content (%)	干燥能力 Drying Capacity				
				DYFD 60	DYFD 90	DYFD 120	DYFD 150	DYFD 200
ABS	3~4	80-90	0.4	13	28	37	73	110
SBS/PC	3~4	100	0.35	15	33	43	87	118
POM	2~3	90-100	0.25	26	47	71	88	118
PMMA	3~4	80	0.5	15	24	43	75	110
LONOMER	2~3	68	0.1	18	30	50	75	100
PA	4~6	70~80	0.4	11	17	30	60	90
PC	2~3	120	0.3	25	35	67	83	111
PCforCD	4	120	0.3	12	26	35	60	80
PU	3	90	0.9	25	40	50	60	100
PBT	3~4	130~140	0.3	18	28	50	83	111
PE	1~2	85	0.01	39	60	110	150	200
PET	5~6	150~180	0.3	10	20	27	40	73
PPO	2~3	100~120	0.5	19	30	55	100	133
PL	2~3	120		25	35	67	83	111
PP	1	80~90	0.5	35	44	80	100	133
PS	1	80~90	0.3	35	55	100	150	200
PSU	3~4	120~130		15	24	43	87	130
PVC	1~2	70~80	0.3	42	61	120	150	200
SAN	2~3	80	0.3	19	30	55	100	133
TPU	2~3	80~110		25	40	60	75	100
TPU	3	105		16	35	47	75	100

材料 Material	干燥时间 Drying Time(Hr)	干燥温度 Drying Temperature (°C)	初期含水率 Initial Moisture Content(%)	干燥能力 Drying Capacity					
				DYFD 300	DYFD 400	DYFD 500	DYFD 800	DYFD 1000	DYFD 1500
ABS	3~4	80-90	0.4	145	220	275	460	550	825
SBS/PC	3~4	100	0.35	175	235	290	440	590	880
POM	2~3	90-100	0.25	176	235	294	441	588	882
PMMA	3~4	80	0.5	150	200	250	375	500	750
LONOMER	2~3	68	0.1	150	200	250	375	500	750
PA	4~6	70~80	0.4	120	180	225	375	450	675
PC	2~3	120	0.3	167	222	278	517	556	833
PCforCD	4	120	0.3	120	160	200	300	400	600
PU	3	90	0.9	150	200	250	400	500	750
PBT	3~4	130~140	0.3	167	222	278	417	556	883
PE	1~2	85	0.01	300	400	500	700	1000	1500
PET	5~6	150~180	0.3	107	160	200	300	400	560
PPO	2~3	100~120	0.5	200	267	333	500	667	1000
PL	2~3	120		167	222	278	417	556	883
PP	1	80~90	0.5	200	267	333	500	667	1000
PS	1	80~90	0.3	300	400	500	800	1000	1500
PSU	3~4	120~130		173	260	325	500	650	975
PVC	1~2	70~80	0.3	300	400	500	800	1000	1500
SAN	2~3	80	0.3	200	267	333	500	667	1000
TPU	2~3	80~110		150	200	250	375	500	750
TPU	3	105		150	200	250	375	500	750

备注/Notes:

- ①.以上干燥能力为理想状态下使用独立的干燥料斗。
- ②.在20℃的大气温度及65%的相对湿度下。
- The above drying capacity is ideal for using an independent drying hopper.
- At 20℃ atmospheric temperature and 65% relative humidity.

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3-IN-1
DEHUMIDIFIER

三机一体除湿机

产品简介 | PRODUCT INTRODUCTION

在对吸湿性树脂成型制程中,干燥成为尤为关键的阶段,必须确保原料中的水分被除去并且干燥温度合理。定元的转轮除湿机可提供持续稳定的湿度和温度的空气,保证生产效率和品质。TDH系列“三机一体”除湿机在一个单元中结合了干燥,除湿和两阶段输送三种功能。封闭式循环加料系统,并使用不锈钢材料(双层)提高干燥效果。定元的工业除湿机操作简单,设计合理,质量高,规格数百种,是现代工业生产中必不可少的伴侣。

产品特点 | PRODUCT FEATURES

- 定元的转轮除湿机配备蜂巢转轮,造型分别分为半开放式和全密闭式两种;
- 除湿机可提供-40℃或更低的露点干燥空气。还可实现及时监控各项参数及确保露点恒定。干燥空气流量可高达4,000立方米/小时;
- 采用P.I.D.温度控制系统,可精确控制温度。可购PLC搭配LCD触控式人机界面更方便操作及监控;
- 对于大型的除湿干燥组合,可采用空气热交换器,实现能源再利用,节能高达20%。

参数规格 | SPECIFICATION

机型 Model	单位 Unit	DY-TDH 80-25	DY-TDH 80-50	DY-TDH 80-75	DY-TDH 120-75	DY-TDH 120-100	DY-TDH 150-100	DY-TDH 120-150	DY-TDH 150-150	DY-TDH 150-200	DY-TDH 200-200	DY-TDH 200-300	DY-TDH 300-300	DY-TDH 300-400	DY-TDH 400-400
		干燥系统 Drying System													
干燥风机 Drying Blower Power	KW	0.375	0.75	0.75	1.1	1.1	1.5	1.1	1.5	1.1	2.2	2.2	3.8	3.8	5.5
干燥电热 Drying Heater Power	KW	3	3.9	4.2	4.2	6.2	6.2	7	7	11	11	18	18	20	20
保温料桶容量 Drying Hopper Capacity	KG	25	50	75	75	100	100	150	150	200	200	300	300	400	400
		除湿系统 Dehumidifying System													
再生风机 Regen-blower Power	KW	0.25	0.25	0.25	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.75	0.75	0.75
再生电热 Regen-heater Power	KW	2.7	3.8	3.8	3.8	3.8	5.4	3.8	5.4	5.4	5.4	5.4	7.2	7.2	7.2
除湿风量 Dry Air Capacity	M³/Hr	80	80	80	120	120	150	120	150	150	200	200	300	300	400
		送料系统 Conveying System													
送料风机 Conveying Blower	KW	1.1	1.1	1.1	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.2
吸料机配管 Conveying Hose Dia.	Inch	38	38	38	38	38	38	38	38	38	38	38	38	38	38
料斗容量 Hopper Capacity	L	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
宽度 Width	MM	1030	1100	1100	1100	1240	1240	1240	1240	1320	1320	1625	1625	1625	1625
深度 Depth	MM	785	870	870	870	940	940	940	940	1070	1070	1205	1205	1205	1205
高度 Height	MM	2010	2135	2255	2255	2315	2315	2550	2550	2630	2630	2865	2865	3265	3265
总功率 Total Power	KW	7	9.5	9.8	10.3	12.3	14.3	13	15	15	21	28	32	34	36
重量 Weight	KG	300	365	465	495	560	595	665	695	765	795	860	900	950	1000



With hygroscopic plastic material, drying becomes the most critical step in the process and the moisture in the material must be removed at a steady temperature. Dingyuan's honeycombedehumidifier can deliver constant low dew-point air with maximum efficacy and quality. The TDH series "Three-in-one" dehumidifier combine drying, dehumidifying, and two-stage conveying functions in a single unit. Which has closed recycling feeding system and used stainless steel material(double) hopper to improve the efficacy of drying. Dingyuan's industrial dehumidifier with simple operation, reasonable design, high quality and hundreds of specifications, is an indispensable companion of modern industrial production.

- Dingyuan's honeycomb dehumidifier are equipped with honeycomb rotor for dehumidifying. They have two kinds of design: Fully-integral and semi-integral depending on the size.
- Dehumidifier provide dew-point of -40℃ or even lower. Also it can achieve constant detection of all the parameters and stabilize the dew-point. The largest of which can provide dry air up to a quantity of 4,000m³/hr.
- Adopts P.I.D. temperature controller to accurately control regenerative temperature. Centralized automatic control can be realized by optionally selected PLC touch screen controller.
- For centralized dehumidifier drying system, adopt heat exchanger to realize heat recycling with which 20% energy can be saved.

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EURO-HOPPER
DRYER

欧化干燥机

产品简介 | PRODUCT INTRODUCTION

采用下吹式的欧化干燥机,料斗采用不锈钢制造,配备有“热气下吹”和“旋风排气”功能以及双层保温桶,特别适合搭配除湿机用来干燥工程塑料。

产品特点 | PRODUCT FEATURES

- 采用微电脑控制,可精确控制温度;
- 特有下吹风管设计,能均匀分散热风,保持塑料干燥,温度稳定,提高干燥效率;
- 全数显式P.I.D.控制,LED状态显示;
- 有过热保护装置,可减少人为或机械故障所产生之意外。

参数规格 | SPECIFICATION

型号 Model	料筒容量 Hopper Capacity	干燥电热 Heating Power	风机 Blower	排风口径 Air Outlet Pipe Dia.	外形尺寸 Dimension	净重 Net Weight	电压 Voltage
单位 Unit	KG	KW	W	MM	MM	KG	50Hz
DY-SH06	6	1.5	135	50	490*190*7850	25	220V/1Phase
DY-SH12	12	2	150	50	540*435*850	35	220V/1Phase
DY-SH25	25	3	150	50	605*560*1240	50	220V/1Phase
DY-SH50	50	3.9	160	50	706*594*1410	75	380V/3Phase
DY-SH75	75	4.2	240	50	751*649*1520	105	380V/3Phase
DY-SH100	100	6.2	240	65	841*581*1670	125	380V/3Phase
DY-SH150	150	7	240	65	868*710*1800	160	380V/3Phase
DY-SH200	200	11	300	75	995*830*1930	210	380V/3Phase
DY-SH300	300	18	320	75	1160*975*2280	330	380V/3Phase
DY-SH400	400	20	360	90	1220*990*2330	365	380V/3Phase
DY-SH500	500	22	1500	90	1150*1045*2430	385	380V/3Phase
DY-SH600	600	24	1500	90	1210*1070*2540	400	380V/3Phase
DY-SH800	800	30	1500	127	1390*1120*2730	600	380V/3Phase
DY-SH1000	1000	36	2200	127	1525*1425*3670	650	380V/3Phase
DY-SH1200	1200	36	2200	150	1600*1510*3722	835	380V/3Phase
DY-SH1500	1500	40	2200	150	1730*1680*3880	900	380V/3Phase
DY-SH1800	1800	45	3700	219	1835*1680*4060	1005	380V/3Phase
DY-SH2000	2000	45	3700	219	1870*1710*4415	1130	380V/3Phase
DY-SH3000	3000	50	5000	219	2080*1920*4520	1650	380V/3Phase
DY-SH3500	3500	50	5500	219	2140*1976*4863	-	380V/3Phase
DY-SH4000	4000	60	7500	219	2192*2040*4936	-	380V/3Phase
DY-SH5000	5000	60	7500	219	2355*2160*5120	-	380V/3Phase



The Euro-hopper dryers adopt hot air down-blowing design and use stainless steel material hoppers to avoid contamination. With this design, they are also ideally suited for use with honeycomb dehumidifiers to dry engineering plastics.

- Microprocessor is used for accurate temperature control.
- Hot air down-blowing design ensures even distribution of hot air to maintain a steady temperature in the hopper and increase drying efficiency.
- Digital P.I.D temperature control with LED display, innovative design with sleek appearance.
- Overheat protection device can reduce accidents caused by man-made or mechanical failure.

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GRAVIMETRIC BLENDER

称重机



产品特点 | PRODUCT FEATURES

- 模块化可拆卸式设计, 节省空间与清洁方便;

采用通用型PLC控制器, 确保性能可靠:维护简便;

采用先进的控制算法, 主优化, 自动调校补偿及震动防止功能, 保证最佳的配料精度;

标准机型最多可处理四种组份 (六组份以上可定制);

彩色图形形式显示, 触摸屏式操作, 多种语言供选择;

具有配方存储功能, 最多可存储100组以上配方;

所有与原料接触的部分都由不锈钢材料制成, 防止原料被污染;

可直接安装在机器上或选配脚架安装在机器旁 (含气动式卸料阀)。
- All parts accessible for easy cleaning;

Suitable for processing up to four components simultaneously;

PL.C controller , reliable performance , convenient maintenance;

Adopting advanced control algorithm, autonomousoptimization, automatic calibration and shaking preventfunction, ensure the best accuracy;

Color chart shown, touch screen operation, three languages on-line switching;

Up to 100recipes can be stored for later use;

All raw material contact parts are made by stainless steel, prevent the materials being polluted;

Can be directly mounted on the machine or optional feet frame installed in machine side.

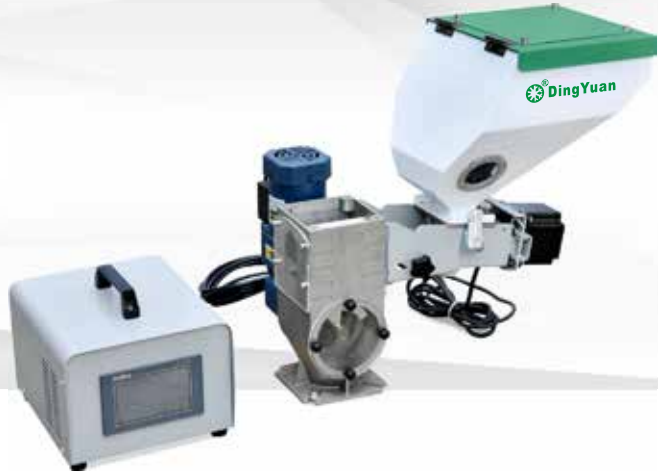
参数规格 | SPECIFICATION

机型 Model	单位 Unit	DY-GB 50	DY-GB 100	DY-GB 200	DY-GB 300	DY-GB 400	DY-GB 600	DY-GB 800	DY-GB 1000	DY-GB 1500	DY-GB 2000	DY-GB 2500
混料组数 Qty.of Mixing Groups	—	4	4	4	4	4	4	4	4	4	4	4
混料能力 Mixing Capacity	KG	50	100	200	300	400	600	800	1000	1500	2000	2500
批次重量 Batch Weight	KG	1	1.5	2	3	4	6	8	10	20	40	50
主料混料范围 Main Material	%	5~100	5~100	5~100	5~100	5~100	5~100	5~100	5~100	5~100	5~100	5~100
添加剂混料范围 Additive Mixing	%	0.5~10	0.5~10	0.5~10	0.5~10	0.5~10	0.5~10	0.5~10	0.5~10	0.5~10	0.5~10	0.5~10
电压 Power Supply	—	1Φ/220V/50Hz						3Φ/380V/50Hz				
噪音 Max. Noise Level	dB	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75
尺寸 Dimensions	W*D*H (MM)	605	700	770	830	870	960	1070	1160	1205	1260	1300
		640	670	815	830	850	970	1060	1210	1275	1310	1650
		1010	1050	1225	1305	1405	1675	1875	1870	2010	2100	2270
净重Net Weight (机器安装型 Machine Installation)	KG	90		130	140	180	190	200	250	265	280	290
净重 Net Weight (脚架型 Floor Installation)	KG	110		155	165	230	240	250	340	356	370	380

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VOLUMETRIC DOSER

计量式色母混合机



产品简介 | PRODUCT INTRODUCTION

DY-CD系列计量式色母混合机, 可以对塑料原料的1种主料和1-4种色母料或添加剂按比例自动混配。适用于注塑、挤出或吹塑生产。该系列产品采用混合式步进电机, 并配合专用微电脑控制器, 可精确地计量色母及添加剂的添加比例。此混合机可以与各类成型机信号做连接进而同步运转, 保证成型产品性能一致性。

DY-CD series volumetric dosers are adoptable to auto-proportion mixing of new materials, regrinds, masterbatch or additive, adaptable to injection, extrusion or blow molding field. A stepper motor is used in this series, according to the set mixing proportion, the microprocessor accurately controls rotation of the high precise dosing screw to squeeze out materials with an deviation of±1%. This doser can connect with various molding machine signals in synchronicity, to ensure the stability of the products.

产品特点 | PRODUCT FEATURES

- 模块化可拆卸式设计, 可快速更换螺杆及套筒;

使用高精度混合式步进电机, 计量准确并且输出量范围广;

马达直接驱动, 无减速箱, 寿命长、免维护;

采用通用型PLC控制器, 确保性能可靠, 维护简便;

可存储50组配方, 可快速启动机器;

螺杆采用镀铬处理, 经久耐用;

底座侧面有可视窗装置, 易观察原料。
- Unit is comprised of standard modules for ease of cleaning, disassembly and interchangeability;

Using the high accuracy hybrid stepping motor, measurement accuracy and output scope;

Motor drive directly, without gearbox, long service life, maintenance-free;

The adopted PLC panel shows reliable performance and easy maintenance;

It can store 50sets of formula, and it can quickly start the machine;

Dosing screws are chrome plated for durability;

The side of the base has a windowing device for easy observation of raw materials.

参数规格 | SPECIFICATION

机型 Model	单位 Unit	DY-CD12	DY-CD14	DY-CD16	DY-CD16*2	DY-CD16*3
马达功率 Motor Power	KW	0.04	0.04	0.04	0.04*2	0.04*3
马达转速 Rotary Speed	RPM	1.8~300	1.8~300	1.8~300	1.8~300	1.8~300
搅拌机功率 Mixer Power	KW	0.09	0.09	0.09	0.09	0.09
螺杆外径 Screw Dia.	MM	12	14	16	16/25	16/25/25
输出量 Output Capacity	KG	0.05~20	0.1~40	0.5~64	1.1~64	1.1~64
尺寸 Dimensions	W*D*H(MM)	450	450	770	450	520
		560	560	815	980	1050
		310	310	1225	310	1050
净重 Net Weight	KG	25	25	25	45	75

备注/Notes: 标准电压:220v 50hz 1phase Standard voltage:220v 50hz 1 phase

定元中央冷却系统适用于恒温恒湿冷却解决方案。主要由螺杆式冷水机组和恒温恒湿空气处理机组组成，DY-FSQ系列工业螺杆式冷水机组采用名牌螺杆压缩机，高效的蒸发器和冷凝器，冷却效果好，COP更高。

整个系统采用集中冷却和智能控制，具有更好的节能效果。中央冷却系统广泛应用于大型制冷场合——各种民用和工业领域。民用领域：商业建筑、娱乐中心、酒店、医院、剧院、体育场馆、大学建筑和宿舍、商场等。工业领域：塑料橡胶、制药、纺织、化工、食品饮料、电子工业、无尘车间等。

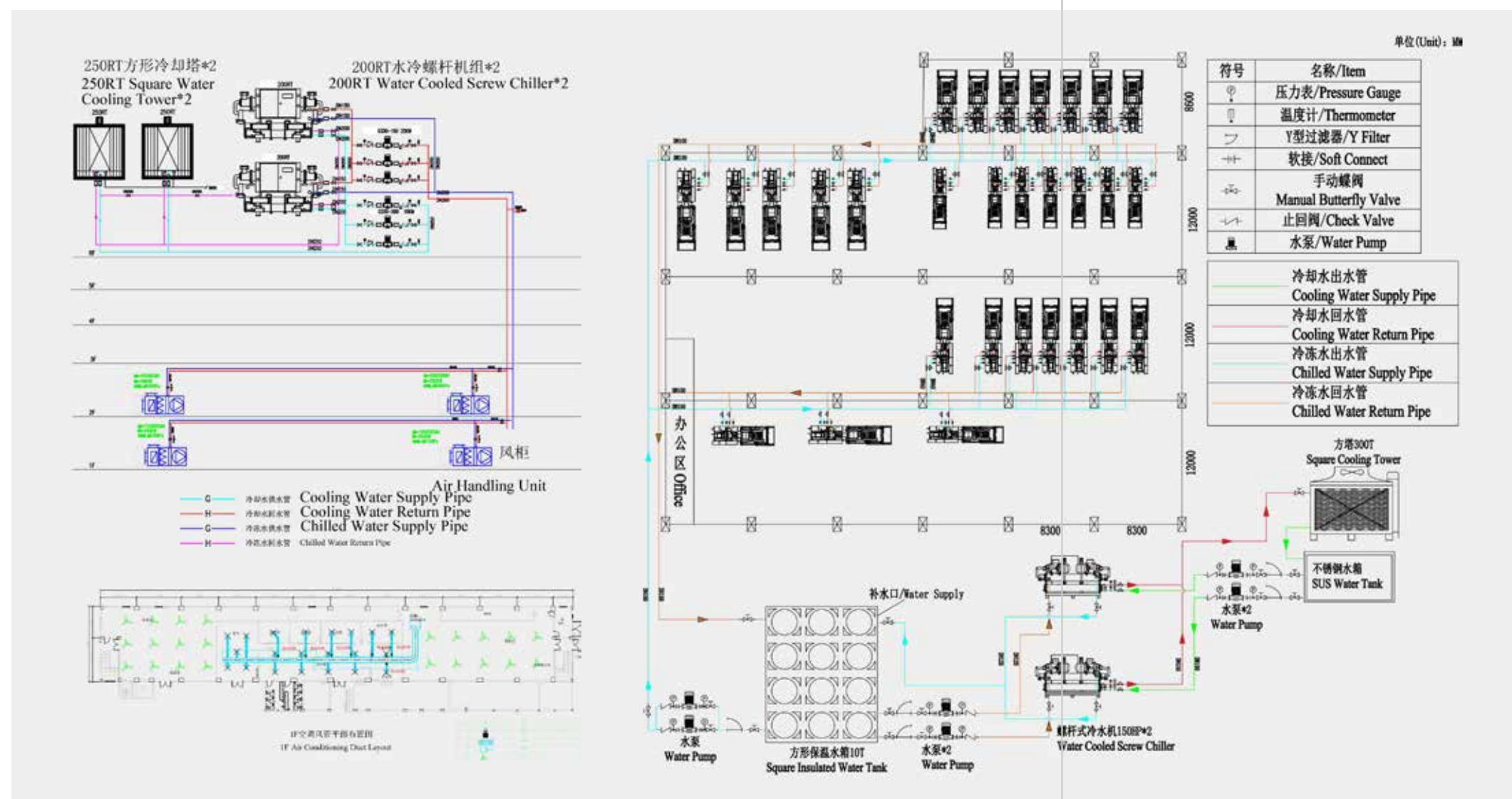
Air Cooled Double-head Screw Chiller

风冷双机头螺杆式冷水机



Water Cooled Double-head Screw Chiller

水冷双机头螺杆式冷水机



中央供冷系统现场 | CENTRAL COOLING SYSTEM ON SITE



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DINGYUAN CENTRAL FEEDING SYSTEM

中央供料系统

定元中央供料系统是集中输送、干燥、除湿、混合、搅拌、中央处理整体解决方案。可实现24小时自动化生产,提高生产和管理效率。有利于新厂规划和老厂改造,提高效率,节约成本,加强管理。

它帮助我们成为更智能、更具竞争力和更现代化的企业。它是塑料注射成型和挤出制造行业的理想选择。广泛用于医疗器械、家电、汽车配件、塑料包装、手机、熔喷布等领域的生产。



料仓 | Material Soil

欧化干燥机 | Eurodryer

罗茨风机 | Roots Blower

脉动集尘器 | Pulse Dust Collector

中央控制台 | CentralControl Station

三机一体除湿干燥机 | 3 in 1 Dehumidifier

称重机 | Gravimetric Blender

选料站 | Material Distributor

Dingyuan Central Feeding System is an overall solution for central conveying, drying, dehumidifying, mixing, dosing, stirring and central processing. It can realize 24-hour automatic production, improving the efficiency of

It is great for new plant planning and old factory renovation, improving efficiency, saving costs and strengthening management. It helps us become a smarter, more competitive, and more modern enterprise. It is ideal for the Plastic Injection Moulding and Extrusion manufacturing industries. It is widely used in the production of medical equipment, home appliances, auto parts, plastic packaging, mobile phones, meltblown cloth etc.

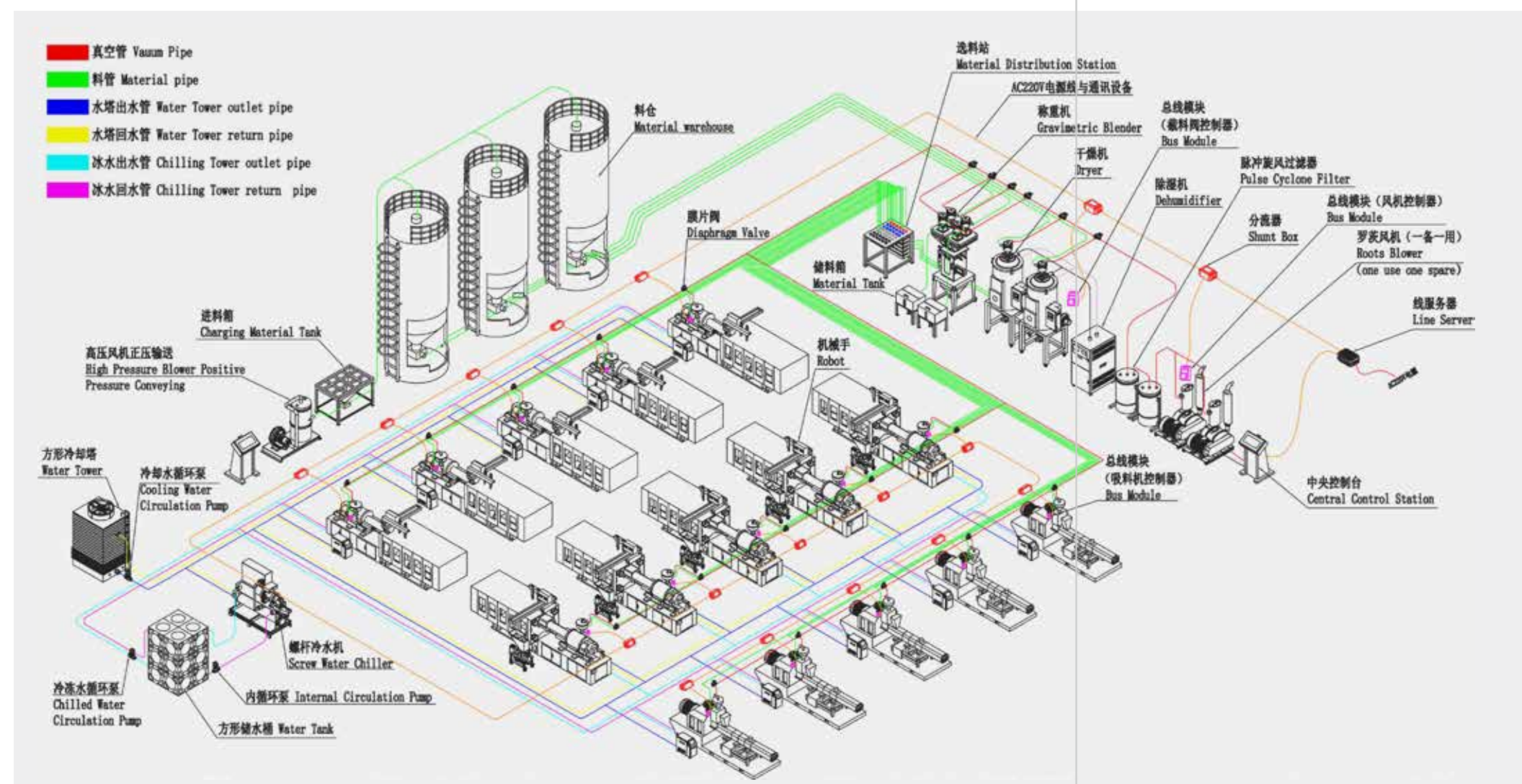
DINGYUAN

中央供料系统现场管路

CENTRAL FEEDING SYSTEM PIPELINE



中央供料系统现场 | CENTRAL FEEDING SYSTEM SITE



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METAL
SEPARATOR

金属分离器



产品简介 | PRODUCT INTRODUCTION

DY-TMS系列金属分离器检测灵敏度高,可以快速、准确地分离出原材料中所含的各种金属。如不锈钢、铁、铜铝、锡。其原理是当金属杂质通过电子设备的金属探测器时,电子侦察器可发出信号、启动阀门,排除含有金属杂质的原料。采用气动排送系统,体积小,排送准确。它可以直接安装在射出(压出)机料斗上可以更好地保证螺杆不被金属杂质损坏。该系列有四种型号,处理量为400kg/hr-4000kg/hr,可满足客户需求。

产品特点 | PRODUCT FEATURES

- 可快速分离混合在塑料原料中的各种金属；
- 检测精度高,最小检测到直径为0.4mm的金属；
- 机器体积小,易于安装,易于操作；
- 可直接安装在射出或者压出的机械料斗上,以免损坏设备；
- 可根据用户要求定制料斗和脚架。

DY-TMS series of metal separators detect side high sensitivity, it can quickly and accurately separate the various metals contained in the raw materials. Such as stainless steel, iron, copper aluminum. Tin. The principle is when metal impurities through a metal detector electronic equipment, electronic reconnaissance side may send a signal to start the valve, excluding raw materials containing metal impurities. Using pneumatic carriage small system small size, carriage accurate. It can be installed directly on the injection (extrusion) machine hopper can better ensure that the screw is not damaged metal impurities. The series has four models, the handing capacity of 400kg/hr-4000kg/hr, to meet customer needs. Is in synchronicity, to ensure the stability of the products.

- It can quickly separate the various metals in mixed plastic feed stock .
- High precision, minimum 0.4mm diameter metal can be detected
- The machine is small, easy to install, easy to operate .
- It can be installed directly on the exit (pushed out) on the mechanical hopper, so as not to damage metal equipment
- Hopper and tripods can be customized according to user requirements.

参数规格 | SPECIFICATION

型号 Model	单位 Unit	DY- TMS35	DY- TMS50	DY- TMS70	DY- TMS100
最大处理量 Maximum Capacity	KG/Hr	400	600	1000	2000
检测金属最小直径 Delection of Metal Min. Dia.	MM	0.5	0.6	1	1.3
检测器通道孔径 Channel Detector Aperture	MM	35	50	70	100
尺寸 Dimensions	L*W*H(MM)	850	850	850	850
		375	375	375	375
		365	365	365	365
重量 Weight	KG	37	37	37	37

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TAL-AUTOMATIC
AUTOLOADER

全自动吸料机



产品特点 | PRODUCT FEATURES

- 不锈钢料斗,确保物料不被污染；
- TAL-300E/360E装备对射式光电开关,适合于直接安装在成型机进料口；
- TAL-360/360E配有铰接式料斗盖并一律配置布质滤布,及自动喷洗除尘功能；
- 全系列准备手动控制开关。

- Stainless steel hopper, ensure that the material is not contaminated;
- TAL-300E/360E equipment use beam photoelectric switch, which suitable for direct mounting the molding machine feed inlet;
- TAL-360 /360E are equipped with hinged hopper lid and all configured filter cloth and automatic spraying dust removal function;
- It equipped with a full range of manual control switch.

参数规格 | SPECIFICATION

型号 Model	单位 Unit	DY-A300	DY-A300E	DY-A400	DY-EA700
风机类型 Fan Type	-	Carbon Brush	Carbon Brush	Inductive	Carbon Brush
电机功率 Motor Power	KW	1.1	1.1	1.1	1.1
输料管径 Conveying Pipe Dia.	MM	38	38	38	38
输送能力 Transmission Capacity	KG/Hr	200	200	200	200
储料斗容量 Hopper Capacity	L	7.5	7.5	7.5	7.5
电压 Input Voltage	-	1Phase/220V/50Hz		3Phase/380V/50Hz	
料位方式 Level Mode	-	Micro Switch	Photoelectric Switch	Micro Switch	Micro Switch
自动清洗 Automatic Cleaning	-	-	-	-	-
布质滤网 Cloth Filter	-	-	-	-	-
外形尺寸 Outside Size	L/MM	550	660	770	830
	W/MM	370	340	460	730
	H/MM	420	390	460	370
重量 Net Weight	KG	13	14	23	23

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EURO POWERFUL
AUTOLOADER

欧化大功率吸料机



产品特点 | PRODUCT FEATURES

- 大功率吸料机是专门针对用料量大的情况所开发的款式；

马达功率、送料管径以及料斗容量均采用加大配置，以满足需求；

微电脑控制，缺料、过载报警；

体积小，占地少，操作灵活；

此系列产品通过欧洲CE标准认证。
- Specially designed for material in large quantity.

High-power motor with enlarged hose and hopper.

Microcomputer controlled with alarm for overload and lack of material.

Small footprint, easy to operate.

With CE certification.

参数规格 | SPECIFICATION

型号 Model	主机 Host computer			真空料斗 Vacuum Hopper				输料管直径 Conveying Pipe Dia.	输送能力 Transmission Capacity	马达形式 Motor Type
	电机功率 Motor Power	尺寸 Size	重量 Weight	标准 Standard	料斗容量 Hopper Capacity	尺寸 Size	重量 Weight			
	单位 Unit	KG	MM	-	L	MM	KG	MM	KG/Hr	-
DY-EA1.5	1.1	830*730*370	75	TMH-7.5L	7.5	800*330*310	5.5	38/51	250	Inductive
DY-EA2	1.5	830*730*370	75	TMH-7.5L	7.5	800*330*310	5.5	38/51	300	Inductive
DY-EA3	2.2	830*730*370	75	TMH-7.5L	7.5	800*330*310	5.5	38/51	500	Inductive
DY-EA5	4	837*730*370	80	TMH-12L	12	800*440*310	25	51	600	Inductive
DY-EA7.5	5.5	830*730*450	117.5	TMH-24L	24	1080*440*310	45	63	750	Inductive
DY-EA10	7.5	930*860*460	127.5	TMH-24L	24	1084*440*310	65	63	800	Inductive
DY-EA15	11	2100*680*800	226	TMH-24L	24	1080*440*310	65	63	1200	Inductive

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HOPPER DRYER

料斗干燥机



产品特点 | PRODUCT FEATURES

- 能量的节省-减少热量损失，循环利用，大大节约了电力；

效率的提高-热能集中，除湿设备快速将湿气排出机外，加快干燥速度；

环境的净化-封闭的设计，在循环干燥的过程中可过滤粉尘，避免污染，并且可减少因干燥而造成工作环境的升温；

风机可选配耐150℃高温型，确保风机安全运行。
- Energy saving. Decreasing heat loss by recycling, save electricity efficiently.

Improved efficiency concentration of thermal energy, dehumidification facilities capable of expelling moisture rapidly for speed drying.

Environment cleaning. Airtight design, able to filter out powder material during drying circles, eliminate contamination, decrease high temperature of working environment brought by drying.

Optional for special blower able to withstand high temperature as 150°Cassuring safe operation.

参数规格 | SPECIFICATION

类型 Model	容量 Capacity	电热 Heating Power	风机 Blower	宽度 Width	长度 Length	高度 Height	底座 Base	底座孔径 Base Dia.	重量 Weight
	单位 Unit	KG	W	MM	MM	MM	W/L	MM	KG
DY-HD12	12	2.1	135	325	660	890	150	55	26
DY-HD25	25	2.7	135	385	725	1040	150	55	34
DY-HD50	50	3.9	155	470	840	1170	150	55	40
DY-HD75	75	3.9	155	530	800	1170	150	55	60
DY-HD100	100	6	330	595	955	1405	220	90	76
DY-HD150	150	6	330	595	955	1645	220	90	100
DY-HD200	200	12	360	750	1230	1650	220	90	150
DY-HD300	300	12	360	750	1230	2055	220	90	160
DY-HD400	400	18	410	910	1365	2270	345	105	225
DY-HD600	600	21	960	910	1365	2595	345	105	250
DY-HD800	800	24	1050	2700	1420	2700	345	105	280
DY-HD1000	1000	32	1100	3000	1420	3000	345	105	300

备注/Notes：

- ①DY-HD12/DY-HD75型号标准电压规格：1相，220V AC, 50HZ。其他型号标准电压规格：3相，380VAC, 50HZ。

①DY-HD12/DY-HD75 model standards voltage specification: 1 Phase, 220V Ac, 50Hz. The other model standards voltage specification:3 Phase, 380VAC,
- ②以上装载量的堆积密度约为0.65KG/L。直径3-5MM的塑料原料颗粒为标准。

②The bulk density of the above loading capacity is about 0.65KG/L.Diameter 3-5MM plastic raw material particles as the standard.

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SC SERIES
POWERFUL
GRANULATORS

强力型粉碎机SC系列



产品简介 | PRODUCT INTRODUCTION

特别适用于各类硬性塑胶之粉碎再利用,效果更佳。刀架优化设计,又分为片刀型,爪刀型和平刀型。爪型刀可分散受力度,使得每片刀的剪切加大,尤其适合厚件产品及大块胶头,硬质料块等,有效的提高了刀具切削力、减少刀具磨损。设有电控安全设计,多项安全保护装置,确保操作安全。

Strong Granulators are specially designed for crushing various rigid plastics to recycle with high-efficiency.Superior cutter design has 3 types-flake.flat and claw type. Claw cutter has the characteristics of scattering force even to make each blade giving strong shearing force to reduce cutter wearable, especially aresuitable for hard&thick products cutting. The granulators are specially designed with multiple electricity safety devices to ensure safety protection.

产品特点 | PRODUCT FEATURES

- ▣

活动式筛网,拆装方便,易于清洗换色;
- ▣

爪式刀具,错刀结构,分散冲击载荷,切削效率高。特别适用于尼龙,工程塑胶等又硬又韧之塑料;
- ▣

切割性能好,噪音低;
- ▣

马达附有过负荷保护装置,并有电源连锁保护系统,操作,清洗安全。
- ▣

The movable screen is easy to disassemble, assemble and clean.
- ▣

Claw type tool, wrong knife structure, disperse impact load, high cutting efficiency.Especially suitable for hard and tough plastics such as nylon and engineering plastics.
- ▣

Good cutting performance, low noise.
- ▣

The motor is equipped with an overload protection device and a power supply interlock protection system, which is safe to operate and clean.



输送带上料机+破碎机+立即回收系统(输送带根据使用场景选型)
Conveyor Belt Feeder+Crusher+Immediate Recovery System(The Conveyor Belt is selected according to the usage scenario)

应用领域 | APPLICATION



板材
PVC profile



管
Pipe



瓶胚
PET preform



塑料瓶
Plastic bottle

参数规格 | SPECIFICATION

型号 Model	粉碎口径 Crushing Chamber	旋转口径 Rotation Diameter	粉碎能力 Crushing Capacity	动刀 Rotary Blade	定刀 Stationary Blade	功率 Motor Power	尺寸 Size	重量 Weight
单位 Unit	MM	MM	KG/Hr	Pcs	Pcs	KW/HP	MM	KG
DY-SC250	250*220	∅ 216	130~200	6	2	4/5.5	900*680*1060	295
DY-SC300	320*240	∅ 220	220~300	9	2	5.5/7.5	1020*760*1160	330
DY-SC400	420*275	∅ 250	350~500	12	2	7.5/10	1140*900*1310	430
DY-SC500	520*300	∅ 260	450~600	15	2	11/15	1260*1060*1450	590
DY-SC600	620*340	∅ 300	600~800	18	4	15/20	1600*1260*1685	790
DY-SC700	720*340	∅ 300	800~900	21	4	15/20	1600*1260*1685	830
DY-SC800	800*500	∅ 400	800~1000	24	4	22/30	2150*1580*2210	1780
DY-SC900	900*550	∅ 400	1000~1200	27	4	22/30	2150*1580*2210	1890
DY-SC900	900*550	∅ 400	1000~1200	27	4	30/40	2150*1580*2210	1890
DY-SC1000	1020*610	∅ 500	1200~1500	30	4	37/50	2350*1760*2580	1950

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SOUNDPROOF GRANULATOR

集中静音破碎机



产品特点 | PRODUCT FEATURES

- 机身采用全封闭式结构, 配备隔音装置, 可有效降低粉碎时所产生的噪音;

■ 加装电流继电器。马达过载保护及多重安全保护装置;

■ 刀具采用SKD-11, 强度高, 坚固耐用;

■ 标配旋风器, 可有效分离粉碎料与风, 便于原料的收集;

■ ≥30HP以上机器箱体标配冷却系统, 可有效的降低粉碎室的温度, 避免粉粉碎料融结;

■ ≥30HP以上配助力气弹簧, 方便投料斗打开, 节省人力;

■ 可选配带回收除尘装置; 选配避震脚, 可有效减少粉碎时产生的震动。
- Optimized with full-closed soundproof structure, ensuring the low noise level under operation.

■ Equipped with current relay, motor overload protector and other safety devices, to ensure safe operation.

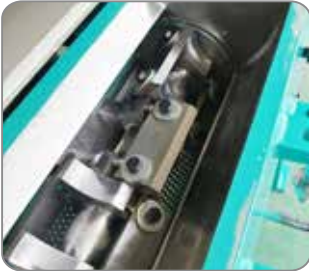
■ The cutters are made of SKD-11 featuring wearability and high rigidity.

■ Optional part: Sifting device. It can effectively separate the powder and dust and reduce the pollution of recycled materials.

■ Machines from 30HP are applied with chamber cooling. It can help reduce the heat caused by friction and avoid material blocking.

■ Machines from 30Hp are applied with cylinder for the hopper and screen holder.

■ Level pad can be an optional part to reduce vibration when running.



参数规格 | SPECIFICATION

型号 Model	电机功率 Motor Power		爪刀 Claw Blade		片刀 Slice Blade		粉碎能力 Crushing Capacity	筛网尺寸 Mesh Size	粉碎口径 Crushing Chamber	净重 Net Weight	尺寸 Size	
	单位 Unit	KW	HP	定刀 Stationary Cutter	动刀 Rotary Cutter	定刀 Stationary Cutter	动刀 Rotary Cutter	KG/Hr	MM	MM	KG	MM
DY-SP5.5		4	5.5	2	9	2	6	150	8	270*220	220	900*650*1200
DY-SP7.5		5.5	7.5	2	9	2	9	200	8	320*250	300	1000*700*1150
DY-SP10		7.5	10	2	12	2	9	250	8	410*280	400	1100*860*1300
DY-SP15		11	15	2	15	2	9	350	8	500*320	600	1400*1000*1550
DY-SP20		15	20	2	18	2	9	450	10	600*320	1100	1450*1100*1620
DY-SP30		22	30	4	21	4	9	600	10	710*460	1500	1900*1400*1950
DY-SP50		37	50	4	24	4	9	800	12	810*460	1800	2000*1500*2050

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LOW SPEED GRANULATOR

慢速破碎机



产品特点 | PRODUCT FEATURES

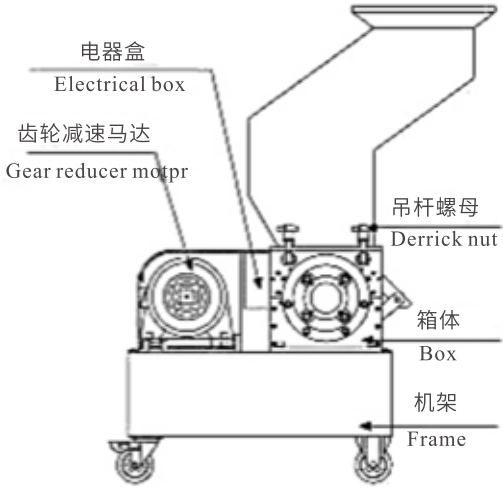
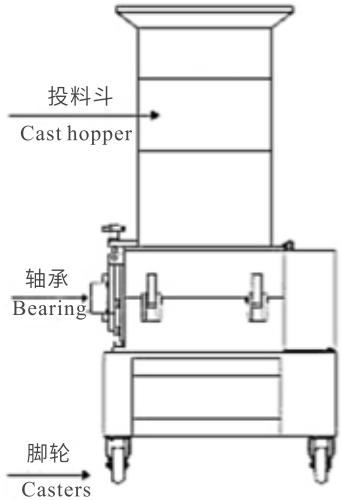
- 慢速塑料破碎机属于无筛网型塑料回收破碎机。低速运转, 专门设计用于破碎注塑机产生的各种类型料头、次品的破碎回收利用;

■ 该机具有工作时运转稳定、无噪音、无粉尘污染, 而且产品造粒均匀、粉碎效果好, 设备运转中无过热现象, 使用寿命长等特点。
- The low speed granulator is designed to regrind the runners from injection molding machines and recycle directly back into IMM. No screen mesh is needed.

■ It's a combination of stability, low noise and low powder. It evenly cuts the material into equal size. The low speed won't lead to overheat and will expand the service life itself.

参数规格 | SPECIFICATION

类型 Model	功率 Power	固定刀 Fixed Knife	回转刀 Rotary Knife	旋转刀 Rotary Knife	转速 Rotating Speed	粉碎 Inlet Size	粉碎能力 Crushing Capacity	粉碎口 Crushing Chamber	尺寸 Size	重量 Weight
	KW	Pcs	Pcs	Pcs	RPM	MM	KG/Hr	MM	MM	KG
DY-LSG220	1.1	6	2	3	23	5~6	15~20	315*248	900*450*1100	205
DY-LSG320	1.5	6	2	3	23	5~6	20~25	315*315	1050*500*1200	275
DY-LSG420	2.2	8	3	4	23	5~6	25~30	410*315	1200*500*1230	315
DY-LSG520	3.7	8	3	4	23	5~6	30~35	440*380	1300*560*1360	480



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MEDIUM SPEED GRANULATOR

中速破碎机

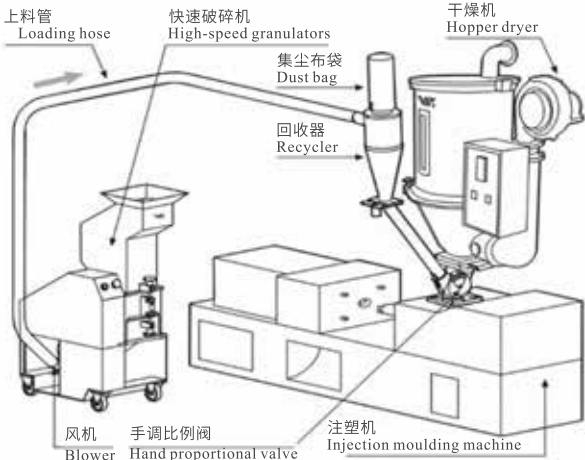


产品特点 | PRODUCT FEATURES

- 中速破碎机适用于水口料之粉碎再利用，操作简单，性能优异；
 - 采用适中的转速运转将粉屑、噪音的产生及刀具磨损降到最低点，并且设置多种安全保护装置符合欧洲安全标准，高效安全操作设计；
 - 体积小，占地面积少；
 - 刀架优化设计；
 - 不需任何工具来完成维护，清理；
 - 低粉尘、低噪音、低能耗。
- Medium speed series granulators are used for recycling runners and easy to operate.
 - The speed is designed to minimize the operating noise and abrasion of the cutter blades,It is adopted with the safety devices meeting the European safety standard.
 - Small footprint.
 - No tools required for maintenance&cleaning up.
 - Less powder caused, lower noise and energy saving.
 - High-grade safety operating.

参数规格 | PECIFICATION

类型 Model	功率 Power	固定刀 Fixed Knife	动刀 Rotary Knife	转子直径 Rotor Diameter	转子宽度 Rotor Width	转速 Rotating Speed	粉碎能力 Crushing Capacity	粉碎口 Crushing Chamber	尺寸 Size	重量 Weight
	KW	Pcs	Pcs	MM	MM	RPM	KG/Hr	MM	MM	KG
DY-MSG200	2.2	8	24	185	335	150	50~100	235*280	800*435*1230	215
DY-MSG300	3.7	10	30	185	395	150	70~150	290*280	900*435*1240	225
DY-MSG5000	3.7	15	45	185	395	150	100~200	430*280	1000*450*1300	255
DY-MSG8000	7.5	11	33	300	600	150	500~600	400*400	1450*900*1600	810



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VERTICAL COLOR MIXER

小立式混色机



产品特点 | PRODUCT FEATURES

- 四轮直立式设计，体积小，移动方便；
 - 配用摆线针轮减速电机，噪音低、持久耐用；
 - 短时间内完成均匀混料，低耗能、高效率；
 - 桶盖、桶底冲压成型，配合精确，更耐用；
 - 计时器可在0~30分钟之间选择混料时间；
 - 全不锈钢桨叶，结构科学、合理，在工作中可充分搅拌原料，且将负载减到最少，省时、省电；
 - 采用优质不锈钢材料，高强度，清洗方便。
- Vertical structure with castor wheels, small size, removing easily.
 - Vertical reducer motor, low noise and long operation hours.
 - Fast complete mixing, low energy consumption and high productivity.
 - Pail cover and bottom parts and compress formed precisely matched and durable.
 - Mixing time able to set within 0-30 minutes.
 - Stainless steel paddle with scientific structure, able to mix raw material completely;
 - Minimize load, save time and electricity; Made of premium stainless steel, high strength and easy to clean.

参数规格 | SPECIFICATION

型号 Model	功率 Power	容量 Capacity	转速 Rotating Speed	尺寸 Size	净重 Net Weight
	KW	KG	RPM	MM	KG
DY-SVM50	1.5	50	85	900*830*1250	125
DY-SVM100	3	100	85	1070*950*1330	170
DY-SVM150	5	150	85	1200*1100*1450	250
DY-SVM200	7.5	200	85	1250*1250*1620	450

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HORIZONTAL COLOR MIXER

卧式混色机

产品特点 | PRODUCT FEATURES

- 料桶及桨叶采用不锈钢材料制造，清洗容易、避免锈蚀；
 - 料桶可倾斜100度，方便卸料；
 - 连锁安全保护装置，确保操作者及机器设备的安全；
 - 计时器可在0~30分钟之间选择混料时间。
- Stainless steel hopper and paddles,rust freeand easy to clean.
 - Hopper could incline as much as 100degrees,easy forunloading.
 - Chain secure device ensure safety for operator and machine.
 - Mixing timer able toset within 0-30 minutes.

参数规格 | SPECIFICATION

型号 Model	功率 Power	容量 Capacity	桶容量 Bucket Capacity	尺寸 Size
	KW	KG	KG	MM
DY-HM300	5.5	300	600	1900*800*1400
DY-HM500	7.5	500	1000	2100*1200*1700
DY-HM800	7.5	800	1600	2300*1400*1900
DY-HM1000	10	1000	2000	2800*1500*2100
DY-HM1500	15	1500	3000	3000*1600*2300
DY-HM2000	20	2000	4000	3300*1700*2500
DY-HM2500	25	2500	5000	3600*1800*2700
DY-HM3000	30	3000	6000	4000*2000*2800

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VERTICAL MIXER

立式搅拌机

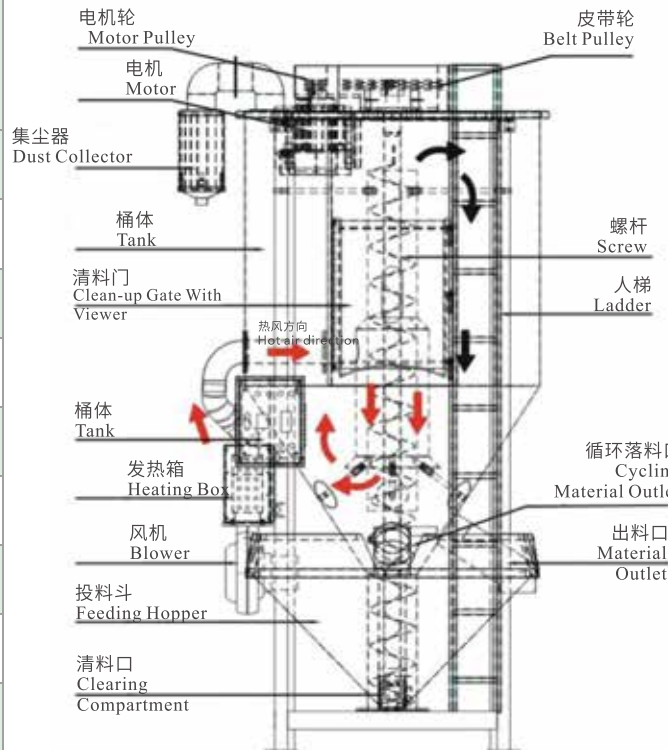


产品特点 | PRODUCT FEATURES

- 螺旋循环搅拌使得原料混合更加均匀、快速；
 - 适用于各种塑料原料与色母的混合搅拌，新、旧料及色母混合则效果更佳；
 - 设备与原料所接触部分的材料皆为不锈钢制作，清洗容易，避免锈蚀；
 - 设有电控安全保护装置，确保操作安全；
 - 可定制烘干型。
- Helical circular mixture,fast and evenly stirring.
 - Suitable for all kinds of plastic raw materials and color masterbatch or granules.
 - Fully stainless steel contacting parts,rust free and easy to clean.
 - Installed with power control device to ensure safety.
 - Customizable for drying type model.

参数规格 | SPECIFICATION

型号 Model	电热 (选配) Heater (Customized)	功率 Power	容量 Capacity	尺寸 Size
	KW	KW	KG	MM
DY-VM500	15	3	500	770*2300
DY-VM1000	15	3.7	1000	1100*2650
DY-VM1500	30	5.5	1500	1200*2650
DY-VM2000	30	5.5	2000	1300*2650
DY-VM3000	30	7.5	3000	1450*2650
DY-VM4000	30	7.5	4000	1600*3380
DY-VM6000	-	11	6000	2000*3760
DY-VM10000	-	15	10000	2800*5160



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SQUARE COOLING TOWER

方形冷却水塔



产品简介 | PRODUCT INTRODUCTION

冷却塔采用优质PVC散热胶片、且设计形状更有效地延长高温水跟冷却风接触时间，所以冷却效果特佳。外壳底盘采用优质高强度玻璃纤维制成，外形美观，防腐及抵抗外界恶劣环境能力特强，转动及接合部分采用优质原材料加工，大大提高使用寿命及接合强度，客服部提供24小时技术及维修售后服务，将大大提高工作效率。

Our cooling tower adopts high quality PVC heat radiation films and the designed shape offilms effectively prolongs the contact time between high temperature water and the cooling air, therefore the cooling effect is excellent. The tower chassis, featuring anti--corrosion, strong ability of resistance of vile weather and beautiful appearance made of high strength glassfiber, and its rotation part and connection area is made of high quality raw materials, that greatly improves the service life and connection strength.

参数规格 | SPECIFICATION

型号 Model	水流量 Water Flow Rate(m³/h)		水压 Water Press	尺寸 Dimensions					风机 Air Blower		重量 Weight	
	WBT			Width	Length	Height	塔高 Tower Height	风筒高 Fan Stack Height	直径 Diameter	电机 Motor	净重 Net Weight	运行重 Working Weight
	28°C	27°C	×104 PA	MM	MM	MM	MM	MM	MM	Set	T	T
LD-100L	100	117	3.6	3200	1980	3700	3700	2300	700	4.0*1	0.86	2.26
LD-125L	125	146	3.8	3600	2310	3700	3700	2300	700	4.0*1	1.08	2.83
LD-150L	150	175	3.8	3800	2595	3700	3700	2300	700	4.0*1	1.18	3.55
LD-175L	175	205	4	3800	2915	3700	3700	2300	700	5.5*1	1.3	3.81
LD-200L	200	234	4	4300	3035	3700	3700	2300	700	5.5*1	1.6	4.02
LD-250L	250	292	3.8	3600	4620	3700	3700	2300	700	4.0*2	2.05	5.38
LD-300L	300	351	3.8	3800	5190	3700	3700	2300	700	4.0*2	2.24	6.75
LD-350L	350	409	4	3800	5830	3700	3700	2300	700	5.5*2	2.47	7.23
LD-400L	400	468	4	4300	6076	3700	3700	2300	700	5.5*2	3.04	7.65
LD-450L	450	526	4	3800	7785	3700	3700	2300	700	4.0*3	3.36	9.94
LD-500L	500	585	4	3600	9240	3700	3700	2300	700	4.0*4	4.1	10.75
LD-525L	525	614	4.2	3800	8745	3700	3700	2300	700	5.5*3	3.71	10.95
LD-600L	600	702	4.2	4300	9105	3700	3700	2300	700	5.5*3	4.56	11.45
LD-700L	700	819	4.2	3800	11660	3700	3700	2300	700	5.5*4	4.94	14.1
LD-800L	800	936	4.2	4300	12140	3700	3700	2300	700	5.5*4	6.08	15.27
LD-900L	900	1053	4.2	3800	15570	3700	3700	2300	700	4.0*6	6.73	18.2
LD-1000L	1000	1170	4.2	4300	15175	3700	3700	2300	700	5.5*5	7.6	19.93
LD-1200L	1200	1404	4.2	4300	18210	3700	3700	2300	700	5.5*6	9.12	22.5