

SPACEMAN^{USA}

COMMERCIAL ICE CREAM & FROZEN BEVERAGE EQUIPMENT

PARTS LIST



MODEL SM-6455H

FROZEN BEVERAGE - COUNTER TOP - DOUBLE FLAVOR

Customer Service

Sunday – Saturday
8 AM – 5 PM Mountain

Toll-Free: +1 (888) 610-5520
Local: +1 (720) 328-1020

service@spacemanusa.com

Spaceman USA, LLC

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Suite B
Broomfield, CO 80020

Sales and Product Information

Monday – Friday
8 AM – 5 PM Mountain

Toll-Free: +1 (888) 610-5520
Local: +1 (720) 328-1020

sales@spacemanusa.com
info@spacemanusa.com

TROUBLESHOOTING

PROBLEM: PRODUCT IS TOO FIRM

Probable Cause

1. Inadequate mix in hopper
2. Improper mixing of product
3. Torque arm is not installed correctly
4. Viscosity adjustment is set incorrectly

Remedy

1. Ensure hopper is at least half full
2. Follow manufacturer instructions for mixing product; ensure correct mix ratios
3. Install torque arm on dispensing door
4. Lower viscosity setting as required (Page 17)

PROBLEM: PRODUCT IS TOO SOFT

Probable Cause

1. Improper mixing of product
2. Missing, damaged, or incorrectly installed beater blades
3. Viscosity adjustment is set incorrectly
4. Beater is rotating counter-clockwise

Remedy

1. Follow manufacturer instructions for mixing product; ensure correct mix ratios
2. Inspect beater blades for damage and correct installation
3. Increase viscosity setting as required (Page 17)
4. Call Spaceman USA Technical Support

PROBLEM: MACHINE WON'T OPERATE IN

Probable Cause

1. Machine is unplugged
2. Tripped circuit breaker or blown fuse
3. Machine has tripped safety reset

Remedy

1. Verify machine is plugged into power source
2. Verify and reset circuit breaker and/or fuse
3. Reset machine (Page 16)

PROBLEM: COMPRESSOR DOESN'T WORK

Probable Cause

1. Machine has tripped safety reset due to motor overload

Remedy

1. Reset machine (Page 16)

PROBLEM: DRIVE SHAFT WON'T REMOVE

Probable Cause

1. Lubrication on square ends of drive shaft
2. Scoring due to lack of lubrication

Remedy

1. Do NOT lubricate the square end of the drive shaft; contact Spaceman USA Technical Support for instructions on removing and inspecting drive shaft and gear box for damage
2. Replace Drive Shaft, use additional lubrication

PROBLEM: PRODUCT WON'T DISPENSE

Probable Cause

1. Product is over-frozen in cylinder
2. Inadequate mix in hopper
3. Power switch is in the OFF position
4. Unit is unplugged
5. Tripped circuit breaker or blown fuse
6. Improper mixing of product
7. Machine has tripped safety reset
8. Beater assembly is rotating counter-clockwise or is not rotating

Remedy

1. Lower viscosity setting as required (Page 17)
2. Ensure hopper is at least half full
3. Turn power switch to FREEZE
4. Verify machine is plugged into power source
5. Verify and reset circuit breaker and/or fuse
6. Follow manufacturer instructions for mixing product; ensure correct mix ratios

PROBLEM: SCORED CYLINDER WALLS

Probable Cause

1. Broken torque or beater assembly
2. Beater guide worn or missing

Remedy

1. Repair or replace torque or beater assembly
2. Replace or install beater guide

PROBLEM: PRODUCT LEAKS EXCESSIVELY

Probable Cause

1. Improper or inadequate lubrication of drive shaft gasket
2. Damaged, missing, or improperly installed drive shaft gasket

Remedy

1. Use sufficient food-grade lubricant, and add sufficient lubricant inside drive shaft gasket during assembly (Page 11)
2. Replace drive shaft gasket every 1 to 3

PROBLEM: PRODUCT LEAKS EXCESSIVELY

Probable Cause

1. Improper or inadequate lubrication of draw valve and draw valve O-rings.
2. Cracked, broken, or worn draw valve O-rings

Remedy

1. Use sufficient food-grade lubricant when assembling draw valve (Page 12)

PROBLEM: MACHINE SHUTS DOWN

Probable Cause

1. Cylinders are experiencing freeze-up (usually due to viscosity being set too high for selected product)

Remedy

1. Reset machine (Page 16), and lower viscosity as

MACHINE SPECIFICATIONS

SM-6455H

FROZEN BEVERAGE FREEZER

PRODUCT INFORMATION

Type	Counter Top
Flavors	2
Cooling	Air Cooled
Freezing Cylinders	2x 3.8 L / 4.0 qt
Product Mix Hoppers	2x 8.0 L / 8.5 qt
Output	24 L / hr
Motor	2x 0.33 HP
Compressor (Main)	1x 4800 BTU, R404A
Compressor (Auxilliary)	Solenoid

FEATURES

Machine Controls	Dual, Analog
Refrigerated Hopper	Yes
Hopper Agitator	Yes
Temperature Display	No
Standby Mode	No
Low Mix Indicator Light	Yes
Low Mix Indicator Alarm	No
Low Temperature Protection	No
Motor Amperage Protection	Yes, Analog
High Pressure Protection	Yes
Thermal Overload Protection	Yes



DESCRIPTION

A low capacity dual flavor frozen beverage freezer. Designed to produce a variety of frozen beverages including: Margaritas, Daiqaris, Fruit Juices, Slushies, etc. Independent automated analog control systems automatically regulate and maintain consistent product quality on each cylinder. Refrigerated hoppers allow product to stay fresh, and allows the machine to be used with dairy products.

CUSTOM OPTIONS

Air Chute, Light Box, Spinner (1)

ELECTRICAL SPECIFICATIONS

	Maximum Fuse Size	Min. Circuit Ampacity	Poles (P) Wires (W)
115-120/60/1	1 x 20A	1 x 16A	2P / 3W

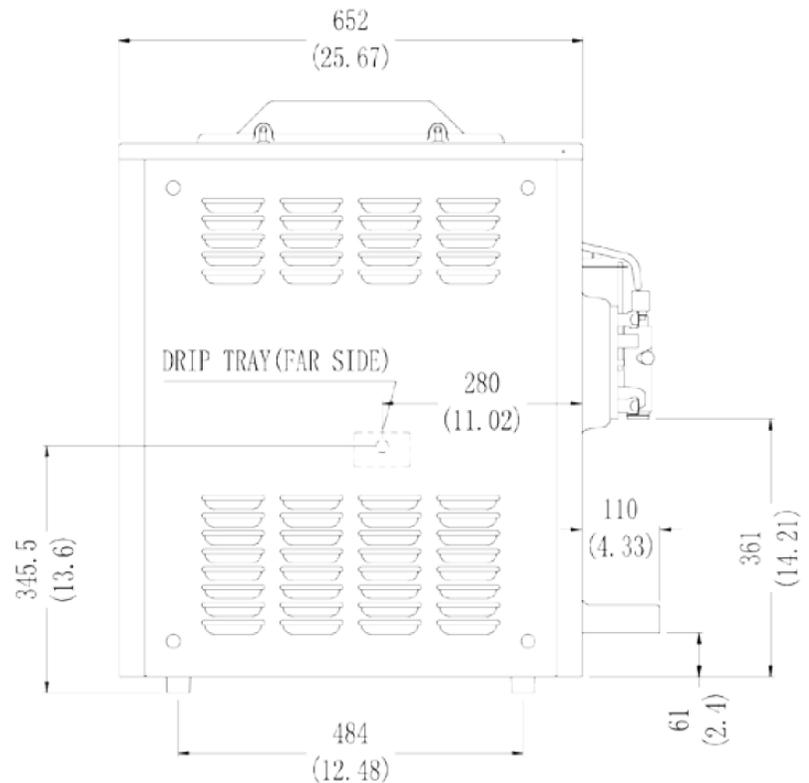
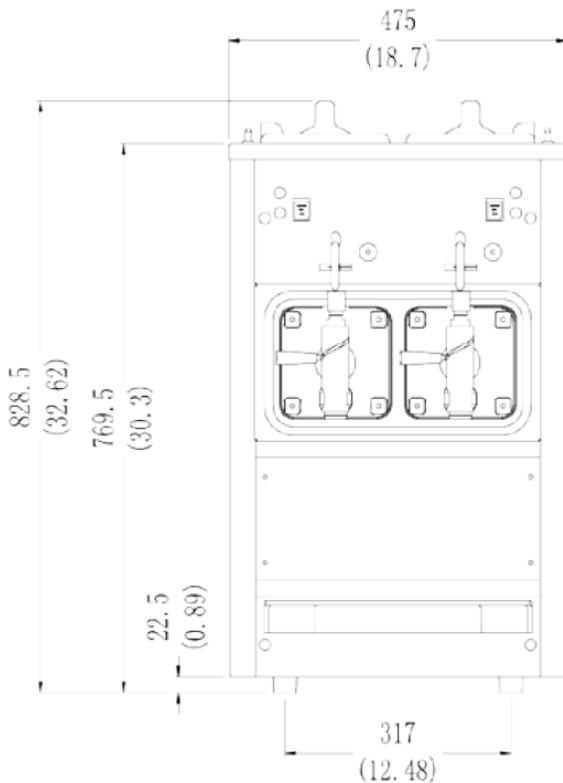
Electrical Plug: 1x NEMA 5-20

SIZE SPECIFICATIONS

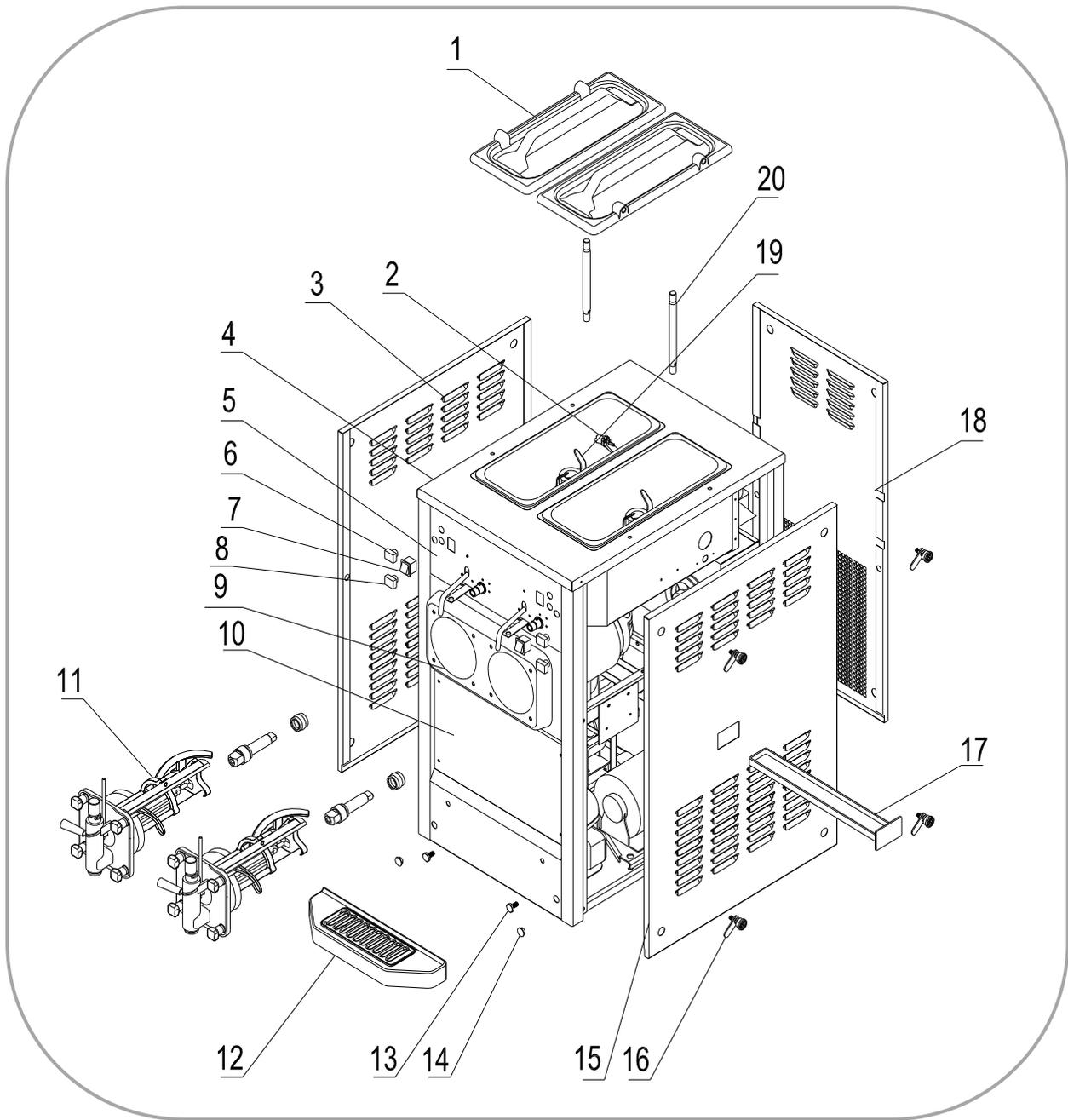
	Machine		Shipping	
Weight	139 kg	309 lbs	154 kg	342 lbs
Depth (mm / in)	652*	25.7*	800	31.5
Width (mm / in)	475*	18.8*	620	24.5
Height (mm / in)	829	32.7	1140	44.9

Shipping Volume: 0.57 CBM / 19.97 CBF

** Machine Requires Minimum 6" Clearance on all sides*



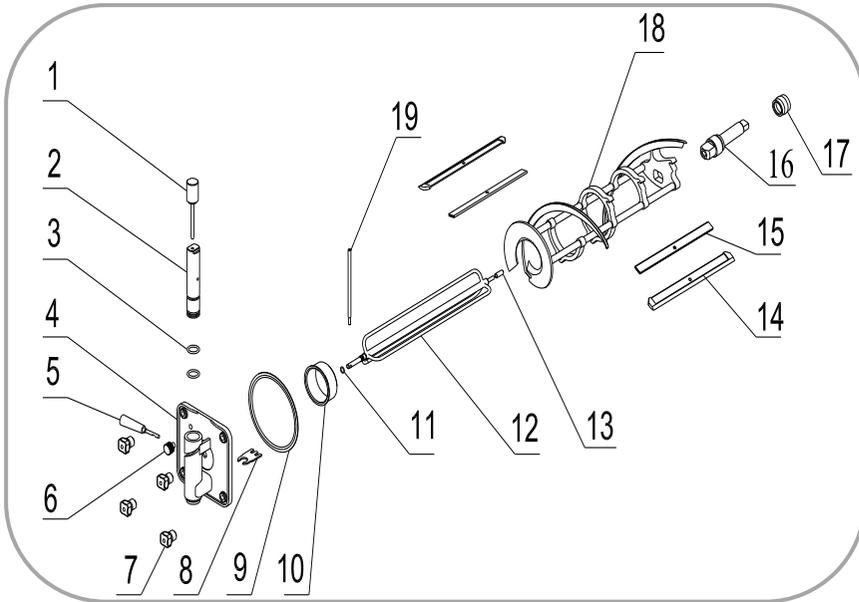
SPECS—EXTERNAL PARTS



Item	Part #	Description	Item	Part #	Description	Item	Part #	Description
1	3.4.03.01.002	Hopper Lid	9	2.1.1.06.0022	Cylinder Assembly	17	3.4.04.02.003	Internal Drip Tray
2	3.1.03.04.009	Low Mix Sensor	10	2.3.4.17.023	Panel - Front - L	18	2.3.4.13.025	Panel - Rear
3	2.3.4.18.016	Panel - Left	11	2.1.1.10.0003	Beater	19	2.1.1.23.0003	Agitator Blade
4	2.1.1.03.0016	Hopper Assembly	12	3.4.04.01.002	Drip Tray	20	2.1.3.39.0006	Air Tube
5	2.3.4.07.056	Panel - Front - U	13	3.6.39.004	Drip Tray Mount			
6	3.1.02.14.001	Low Mix Indicator	14	3.4.07.01.001	Bolt Cover			
7	3.1.03.03.002	Power Switch	15	2.3.4.20.013	Panel - Right			
8	3.1.03.04.015	Standby Switch	16	8.1.07.001	Panel Lock			

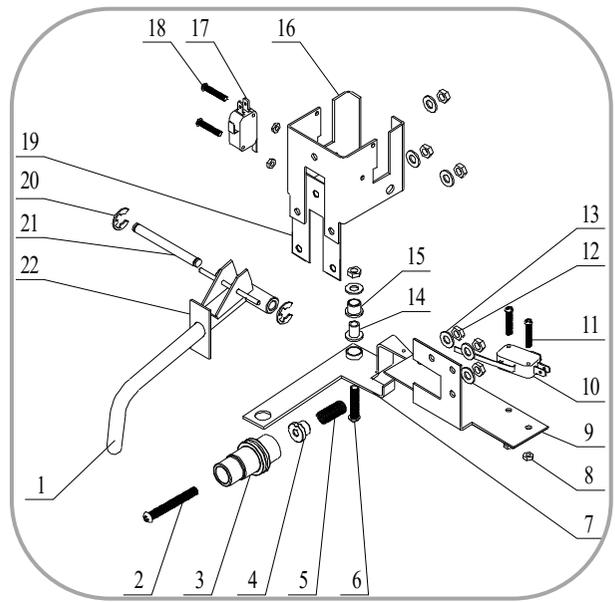
SPECS—OPERATING PARTS

Dispensing Door and Beater



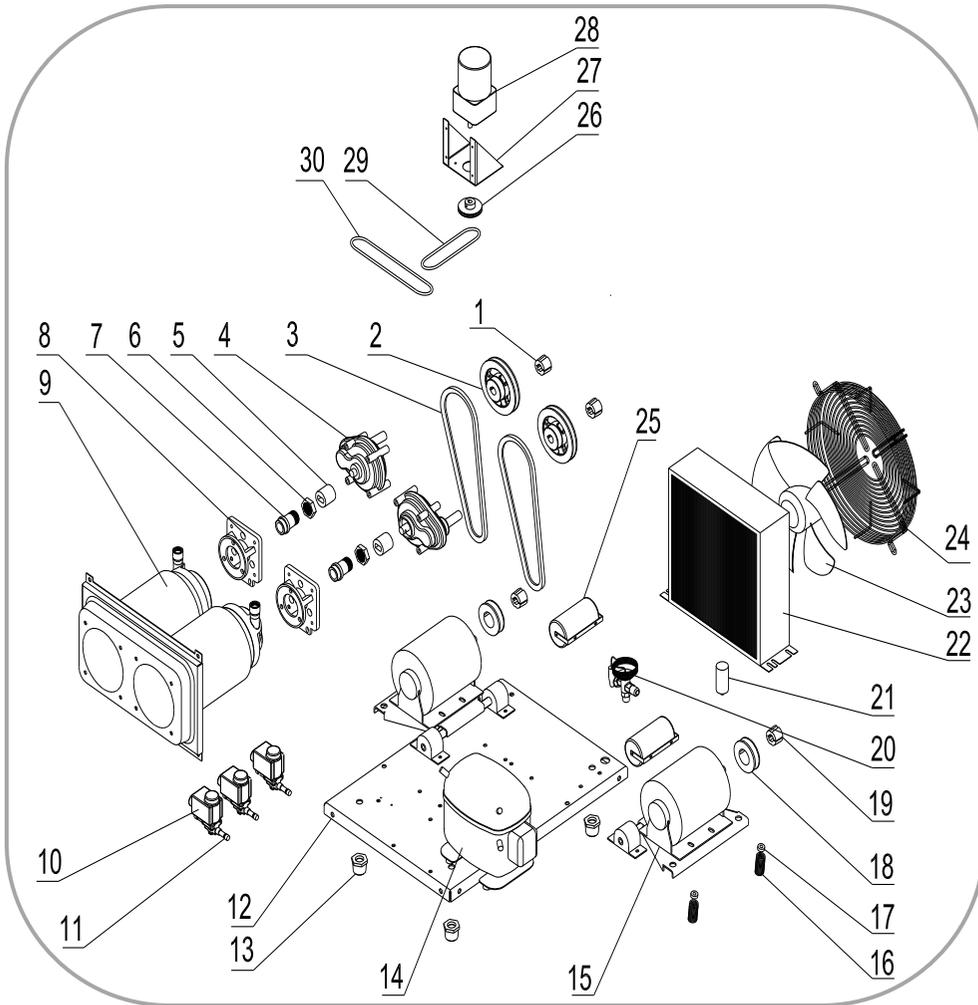
Item	Part #	Description
1	2.1.3.36.0002	Draw Valve Pin
2	2.1.3.01.0006	Draw Valve
3	3.4.08.01.036	O-Ring - Valve
4	2.1.3.14.0006	Dispensing Door
5	3.4.05.01.002	Dispensing Handle
6	3.4.07.08.001	Prime Plug
7	2.1.4.01.002	Hand Screws
8	2.1.4.04.014	Ice Buster
9	3.4.08.02.005	Door Gasket
10	3.4.01.03.003	Beater Guide
11	3.4.08.01.012	O-Ring - Torque
12	2.1.1.31.0002	Torque Assembly
13	3.4.01.03.004	Torque Guide
14	3.4.02.01.003	Scraper Blade
15	2.3.4.04.003	Scraper Blade Clip
16	2.1.3.25.0003	Drive Shaft
17	3.4.07.05.002	Drive Shaft Gasket
18	2.1.1.10.0003	Beater
19	2.3.6.03.004	Torque Arm

Control Levers

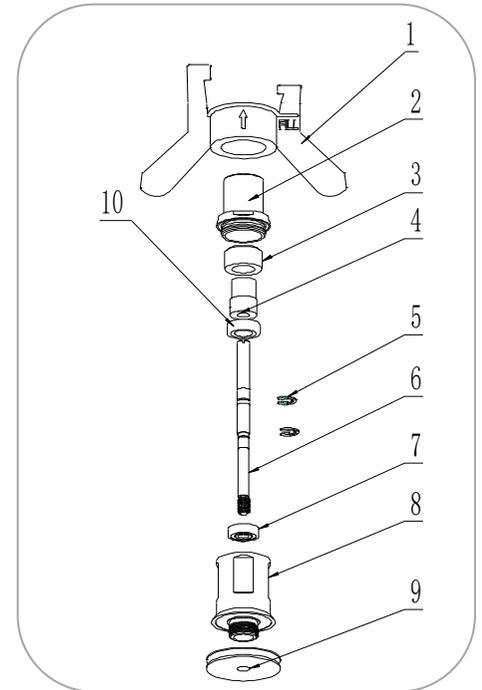


Item	Part #	Description
1	2.1.4.04.002	Draw Lever
2	3.6.22.026	Visc. Screw - M5x45
3	2.1.4.04.012	Viscosity Housing
4	2.1.4.04.011	Nut - Viscosity
5	3.6.02.006	Spring - 0.8mm
6	3.6.22.014	Screw - M5x30
7	2.3.6.03.005	Torque Lever
8	3.6.35.001	Nut - M4x3
9	2.3.6.03.016	Bracket - T Lever
10	3.1.03.02.002	Switch - Torque
11	3.6.21.010	Screw - M4x25
12	3.6.35.003	Nut - M5
13	3.6.14.022	Washer - 5x12x0.8
14	2.1.4.04.010	Bearing - T Lever
15	2.1.4.04.009	Sleeve - T Lever
16	2.1.4.04.020	Bracket - D Lever
17	3.1.03.01.004	Switch - Draw
18	3.6.20.001	Screw—M3x16
19	2.3.6.03.002	Guide - D Lever
20	3.6.34.001	Lock Ring - #5
21	2.1.4.04.001	Retention Pin
22	2.1.4.04.019	Draw Lever Seat

SPECS—INTERNAL PARTS



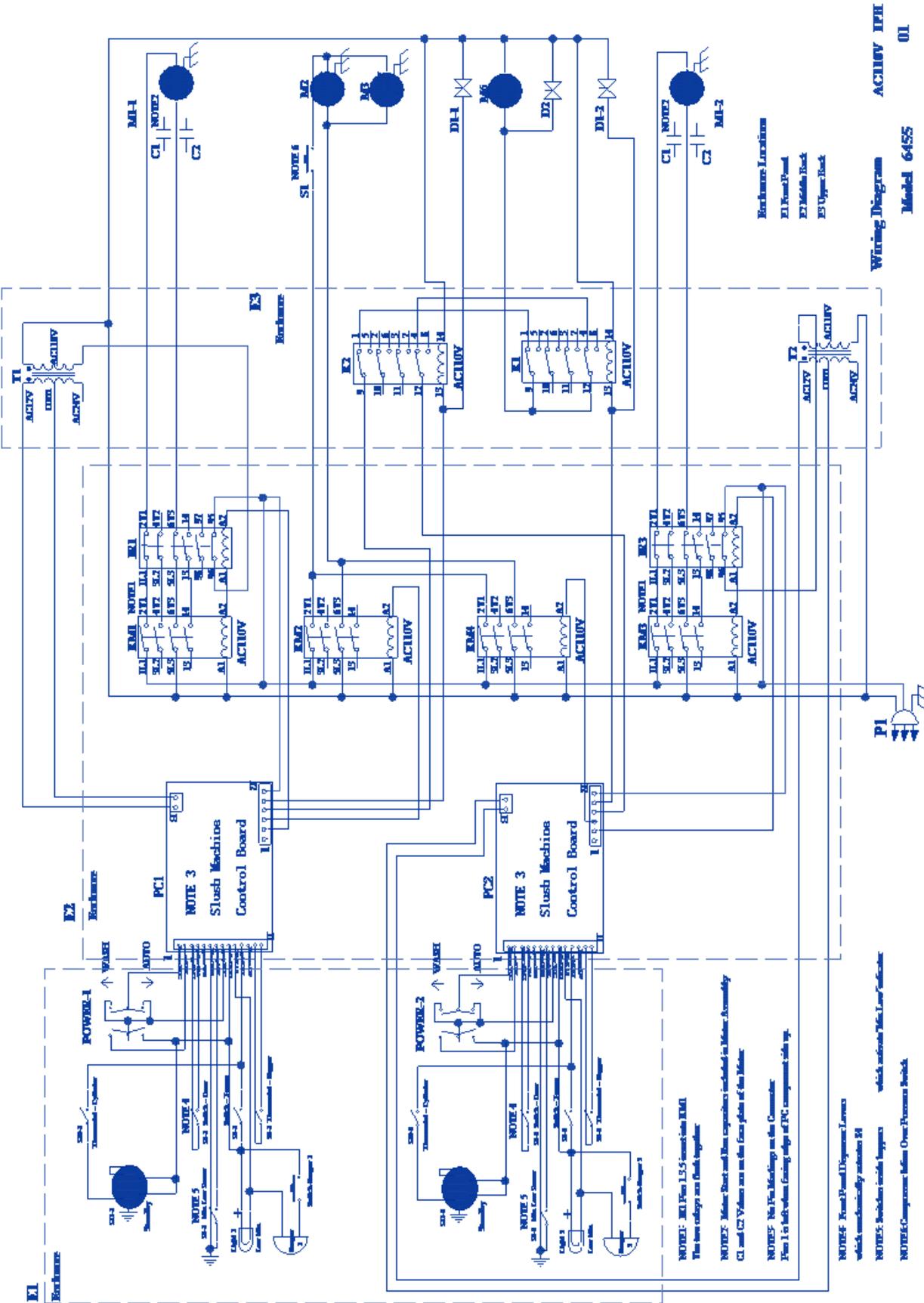
Hopper Agitator



Item	Part #	Description	Item	Part #	Description
1	3.3.04.01.008	Bushing - 1610	16	3.6.03.002	Motor Dampening
2	3.3.04.02.006	Pulley - 112x1-1610	17	3.4.08.04.001	Motor Mount
3	3.3.03.03.007	Belt - XPA813	18	3.3.04.02.012	Pulley - 63x1-1008
4	3.3.02.01.005	Gear Box	19	3.3.04.01.002	Bushing - 1008
5	3.3.02.04.002	Drive Coupling	20	3.2.04.01.001	TX Valve
6	3.3.02.02.010	Nut - RS Bearing	21	3.2.03.04.003-2	Capacitor - Fan
7	3.3.02.02.002	Rear Shell Bearing	22	3.2.02.01.006	Condenser - Main
8	2.1.3.15.0003	Gear Box Mount	23	3.2.03.04.003	Fan Motor - Main
9	2.1.1.06.0022	Cylinder Assembly	24	3.2.03.04.003-1	Fan Cover
10	3.2.04.04.016	Solenoid Coil	25	3.1.02.22.051	Capacitor - S/R
11	3.2.04.04.001	Solenoid Body	26	3.3.04.04.007	Pulley - HA 26mm
12	2.2.4.01.0025	Chassis	27	2.3.4.45.003	HA Motor Mount
13	3.3.05.03.001	Leg	28	3.3.01.01.003	HA Motor
14	3.2.01.02.038	Compressor - Main	29	2.1.4.08.005	Belt - HA 510mm
15	3.3.01.07.001	Motor - 250W	30	2.1.4.08.025	Belt - HA 510mm

Item	Part #	Description
1	2.1.1.23.0001	Agitator Blade
2	2.1.4.02.005	HA Housing Cap
3	2.1.4.02.002	HA Main Magnet
4	2.1.4.02.003	HA Shaft Magnet
5	3.6.34.003	C-Clip
6	2.1.3.42.0001	Drive Shaft
7	3.3.02.07.004	HA Bearing - Lower
8	2.1.4.02.001	HA Housing
9	2.1.4.02.015	Pulley - HA
10	3.3.02.07.003	HA Bearing - Upper
11	2.1.4.02.016	Pulley - Double

SPECS—WIRING



Wiring Diagram
Model 6455
ACTHIV IPH
01

Item	Part #	Description	Item	Part #	Description	Item	Part #	Description
M1	3.3.01.07.001	Motor - 250W	KM	3.1.01.01.011	Contactor	S5	3.1.03.04.009	Low Mix Sensor
M2	3.2.01.02.038	Compressor - Main	JR	3.1.01.02.012	Thermal Relay	S8	3.1.03.02.002	Torque Switch
M3	3.2.03.04.003	Fan Motor - Main	T	3.1.01.04.006	Transformer	S9/10	3.1.01.07.003	Thermostat
M6	3.3.01.01.003	HA Motor	S1	3.2.04.06.004	Pressure Switch	S11	3.1.03.04.015	Standby Switch
D	3.2.04.04.016	Solenoid Coil	S4	3.1.03.01.004	Draw Switch	LAMP	3.1.02.14.001	Low Mix Light
BELL	3.1.02.15.003	Low Mix Alarm						
PCB	2.1.1.30.0012	Control Board						
PWR	3.1.03.03.002	Power Switch						

