

P34F Series Parts List

Control Panel Components

Part Number	Req'd	Description
12A2117C03	1	FREEZER PRESSURE SWITCH, ASCO PG16A "2PS" Use with Asco Transducer 12A2117T03
12A2117T03	1	TRANSDUCER, ASCO RANGE 6-60 PSI Use with Asco Freezer Pressure Switch #12A2117C03
12A2590G1	1	GAGE, 4 1/2" DIAMETER, 30"-150# 1/4" BC, R22 R22 Suction Pressure Gage
12A2590G11	1	GAGE, 4 1/2" DIAMETER, 30"-400# 1/4" BC, R22 R22 Discharge Pressure Gage
12A2590G18	1	GAGE, DURO, 4 1/2" DIA, 30" TO 150 LBS. R404A Suction Pressure Gage
12A2590G19	1	GAGE, DURO, 4 1/2" DIA, 30" TO 400 LBS. R404A Discharge Pressure Gage
12A2590G23	1	GAGE, 4 1/2" DIA, 30" TO 150 L R-507 Suction Pressure Gage
12A2590G24	1	GAGE, 4 1/2" DIA, 30" TO 400 L R-507 Discharge Pressure Gage
12A2117D01	1	HI/LOW PRESSURE SWITCH
12A7500E60	1	A/B SELECTOR SWITCH, 2 POSITION "1SS" Hand/Auto Switch
12A7500E74	1	CONTACT BLOCK/MOUNTING LATCH, 1-NO, 1-NC Used with 12A7500E60
12A7500E57	1	A/B PUSH BUTTON SWITCH (RED) "1PB" Stop Push-Button Switch
12A7500E76	1	CONTACT BLOCK/MOUNTING LATCH, 1-NC Used with 12A7500E57
12A7500E56	1	A/B PUSH BUTTON SWITCH (GREEN) "2PB" Start Push-Button Switch
12A7500E76	1	CONTACT BLOCK/MOUNTING LATCH, 1-NC Used with 12A7500E56
12A7500E58	1	A/B PUSH BUTTON SWITCH (WHITE) "3PB" Manual Harvest Switch
12A7500E76	1	CONTACT BLOCK/MOUNTING LATCH, 1-NC Used with 12A7500E58
12A7503E22	2	THAW TIMER, 8 PIN PLUG-IN, 100-240V., 50/60HZ "2TR" or "DT"
12A7503E39	2	TIMER BASE, 8 PIN, GUARDED TERMINAL
12B7503E21	1	ELAPSED TIME INDICATOR, 220V, 60HZ, DIN RAIL MOUNT
12B7503E20	1	ELAPSED TIME INDICATOR, 220V, 50HZ, DIN RAIL MOUNT
12A7500E78B	1	BLUE LED LIGHT MODULE/MOUNTING LATCH "1LT" Freezing
12A7500E78W	1	WHITE LED LIGHT MODULE/MOUNTING LATCH "2LT" Liquid Feed
12A7500E78R	1	RED LED LIGHT MODULE/MOUNTING LATCH "3LT" Thawing
12A7520E35	3	BULB #755, A/B 2TL5/2TL7 PILOT LIGHT, 6.3V
12A7517E28	2	A/B RELAY, 10A, 3-NO/1-NC, 208/240 "CR" Relay

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Control Panel Components (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A7503E38	1	A/B TIMER, PNEUMATIC, ON-DELAY FOR 700-CF RELAY <i>Time Delay for Cutter Motor on "1CR" Relay</i>
12A7516E23	1	A/B CONTACTOR, 9-AMP, 3-POLE, 208/240V W/1-NO AUX <i>"2M" Water Pump or "3M" Cutter Motor (9-amp Max)</i>
12A7516E24	1	A/B CONTACTOR, 12-AMP, 3 POLE, 208/240V W/1-NO AUX <i>"2M" Water Pump or "3M" Cutter Motor (12-amp Max)</i>
12A7516E25	1	A/B CONTACTOR, 16-AMP, 3-POLE, 208/240V W/1-NO AUX <i>"2M" Water Pump or "3M" Cutter Motor (16-amp Max)</i>
12A7530E54UL	1	MANUAL MOTOR STARTER, 1.6-2.5A
12A7530E55UL	1	MANUAL MOTOR STARTER, 2.5-4.0A
12A7530E56UL	1	MANUAL MOTOR STARTER, 4.0-6.3A
12A7530E57UL	1	MANUAL MOTOR STARTER, 6.3-10.0 AMP
12A7530E58UL	1	MANUAL MOTOR STARTER, 10.0-16.0 AMP
12A7530E59UL	1	MANUAL MOTOR STARTER, 18.0-25.
12A7518E33UL	2	AUX. CONTACT, 6A, 1 NO TRIP, 1 NC TRIP <i>Auxillary for Water Pump and Cutter Motor Starter</i>
12A7519E31		TRANSFORMER, HEVI-DUTY 1KVA 240/480-120/240 60HZ
12A7519E24		TRANSFORMER, HEVI-DUTY, 1KVA, 380/400/50 HZ,
12A7515E22	1	A/B CIRCUIT BREAKER, 6A, 2 POLE <i>"CB4" Control Circuit</i>

Compressor Motor Starters

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
19T2120L9926		MOTOR STARTER, P34F, 380-3-50, PART WIND START
19T7530FX460200		MOTOR STARTER, 460-3-60, ACROSS LINE START

Compressor Motor Starter Copenents

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
		380Volt, 3 Phase, 50 HZ Part Wind Start
12A7503E48	1	TIMER, ON-DELAY, 110-240VAC, 0.3-3.0 SECONDS
12A7516E48	2	CONTACTOR 146A, 3 POLE W/1NO/1NC AUX,
12A7517E27	1	RELAY, AB, 10A, 2-NO/2-NC, 208/240
12A7518E43	1	AUX. CONTACT, 10A @ 240V, 2 NO
12A7518E44	1	AUX. CONTACT, 10A @ 240V, 2 NO
12A7538E06	2	SOLID STATE OVERLOAD RELAY, 40 - 200 AMP
12A7515E09	1	CIRCUIT BREAKER, 30 AMP. WESTINGHOUSE
12A7504E41	6	FUSE, 200A, 600V TIME DELAY CL
12A7504E29	3	FUSE, 1 AMP, 600V CLASS CC
12A7700P01	1	LINEBACKER PHASE PROTECTOR
		460Volt, 3 Phase, 60 HZ Across the Line Start
12A7516E51	1	CONTACTOR, 265A, 3 POLE, W/1NO
12A7538E07	1	SOLID STATE OVERLOAD RELAY, 60 - 300 AMP
12A7515E08	1	CIRCUIT BREAKER, 15 AMP. WESTINGHOUSE

P34F Series Parts List

Soft Start, Compressor Motor Starters

Part Number	Req'd	Description
19T7530FS460200		MOTOR STARTER ASSEMBLY-SOFT START, P34F, 460V/60HZ 230V Controls, for use W/200 HP Motor
19T7530FS460201		MOTOR STARTER ASSEMBLY-SOFT START, P34F 460V/60HZ 120V Controls, for use W/200 HP Motor
19T7530FS40200C		MOTOR STARTER ASSEMBLY-SOFT START, P34F, 400V/50HZ 200V Controls, for use W/200 HP Motor
19T7530FS40201C		MOTOR STARTER ASSEMBLY-SOFT START, P34F, 400V/50HZ 120V Controls, for use W/200 HP Motor
19T7531FS460201		MOTOR STARTER ASSEMBLY-SOFT START, P34F, 460V60HZ 120V Controls, use W/200 HP Motor & PLC Control Panel
19T7530FS460150		MOTOR STARTER ASSEMBLY, SOFT START P34F 460V60HZ 120V Controls, for use W/150 HP Motor

Freezer Components

Part Number	Req'd	Description
12A2600G1	1	FREEZER COVER GASKET 37" OD x 33" ID x 3/16"
12B2145C07	1	P34 POLYCARBONATE FREEZER COVER W/4" VENT HOLE
12A4200B1008	1	VALVE, AIR ADMITTANCE, 4" MAXI-VENT
19T3049P0401	1	PIPE, 4" STD. WT. PVC 8" LG. (DRILLED)
19T4001S0916	4	P34 FREEZER COVER RETAINING RINGS
12A2240H4109	16	NUT, WING, BRASS, 3/8"-16NC
12A2250A12	16	WASHER, CUT 3/8" x 1" O.D. SS
12B2185V12	564	1" VENT TUBE WATER DISTRIBUTOR, 16GA WHITE
12B2185V21	420	1-1/4" VENT TUBE WATER DISTRIBUTOR, 16GA BLUE
12B2185V31	306	1-1/2" VENT TUBE WATER DISTRIBUTOR, 16GA BLUE
12A4009R01		PLUG, RUBBER 7/8" OD X 2" LG FOR 1" TUBES Requires 3/8" Nut, Bolt & Washers
12A4009R02		PLUG, RUBBER 1"OD X 2 1/2"LG FOR 1-1/4" TUBES Requires 3/8" Nut, Bolt & Washers
12A4009R03		PLUG, RUBBER 1 1/4"OD X 2 1/2" FOR 1-1/2" TUBES Requires 3/8" Nut, Bolt & Washers
12A2250A12	2	WASHER, CUT 3/8" x 1" O.D. SS (Use this washer for 1" tubes)
12A2250A109	2	WASHER, CUT 3/8" x 7/8" O.D. SS (Use this washer for 1 1/4" & 1 1/2: tubes)
12A2215H1119	1	CAP SCREW, 3/8"-16NC X 3" LONG
12A2240A1109	1	NUT, HEX 3/8"-16NC S.S.
12A2625G11	1	GAGE GLASS, 1/2" X 28 3/8" LONG
19T2635G06	1	GAGE GLASS GUARD SET, 27 1/4"
12A4199V26	2	GAGE GLASS PACKING O-RING FOR 1/2" DIAMETER
12A4200L0409	1	RELIEF VALVE SET @ 275#, 1/2" MPT x 1" FPT
12A4200J0406	1	LOWER GAGE COCK VALVE, STEEL

Note: Serial number of unit required for purchase of relief valves. Relief valve setting must n

12A4200L0420	2	VALVES, RELIEF, HANSEN # H5613
12A4200M0802	1	VALVE, 3-WAY, 1" FPT, HANSEN #

P34F Series Parts List

Cutter Drive

Part Number	Req'd	Description
12A2900M0803	1	GEARMOTOR, GROVE 15:1, 2HP, 230-460V-3P-50/60HZ
12A2900M0805	1	MOTOR, 2 HP, FOR GROVE GEARMOTOR 12A2900M0803
12A4030R11	1	REDUCER, GROVE 15:1 FOR GEARMOTOR 12A2900M0803
12B2615D05	1	P34 DRIVE GEAR , ALUMINUM / BRONZE 12" PD, 96 TEETH
12B2060B02	1	DRIVE GEAR HUB, STAINLESS STEEL 1-1/4" BORE
12A2215G111	3	CAP SCREW, 5/16"-18NC X 1" SS HEX HEAD
12A2250B108	3	WASHER, LOCK 5/16" SS (300 SERIES)
19T2615R04	1	P34 FINISHED RING GEAR
12A3040S05	8	ROLL PIN, 1/4" X 3/4" STAINLESS STEEL

Cutter Internals

Part Number	Req'd	Description
19T2035B02	2	CUTTER BLADE, P34, 15" LONG
19T2010A13	2	P34 ADAPTOR PLATE
19T4130T09	8	SPACER, 1/2" X 15/16" LONG
12A2226H1117	8	MACHINE SCREW, FLAT HEAD SS, 3/8"-16NC x 2-1/2" LG For Adaptor Plates
12A2240A1309	8	NUT, HEX 3/8"-16NC S.S.
19T2025B0106	1	BEARING BRACKET ASSEMBLY FOR P34
19T2163D0403	1	TINES DISC - P34 CYLINDER ICE
19T4130C02	1	P24/34 TINES DISC HUB SPACER
19T4090S03	1	P24/34 CUTTER SHAFT
19T4065R01	1	P24/34 CUTTER RETAINING SPACER
19T2165K2434	1	P24/P34 CUTTER REPAIR KIT Kit Contains Items for Cutter Maintenance and Rebuild

Water Tank/Circulating Water

Part Number	Req'd	Description
12A2600G11	1	WATER TANK GASKET, 40"OD x 37"ID x 3/16"
12A4200H0603	1	FLOAT VALVE, 1-1/2" ROBERTS LEAD FREE BRASS Current Valve used on Water Tanks with 1 1/2" Connection
12A3050S0701		PIPE NIPPLE 1 1/2" ALL THREAD
12A4200HP05	1	VALVES, STEM, FOR ROBERTS,
12A4200HP05A		VALVES, STEM ADAPTER FOR WATER FLOAT VALVE
12A4200HP04	1	FLOAT BALL, FOR ROBERTS 1 1/2" FLOAT VALVE
12A4200H0606	1	VALVE, FLOAT, ROBERTS 3/4" MPT, LEAD FREE BRASS Used on Water Tanks from 1994 to 2004 W/3/4" Connection
12A4200HP01	1	STEM FOR ROBERTS FLOAT, 10" LG x 1/4-20 THREAD BRASS
12A4200HP02	1	FLOAT FOR ROBERTS, 4" CYL x 6" LG W/1/4-20 THREAD
12A4200A0607LF	1	VALVE, WATER, 3/4", LEAD FREE, GRANZOW, LESS COIL Water Tank Flush Valve (Replaces Sporlan & Jakes Evans)
12A2105C42K	1	ASSEMBLY, COIL, 230/240V GRANZOW
12A2105C41K	1	ASSEMBLY, COIL, 110/120V GRANZOW
126223	1	COIL FOR SPORLAN SOLENOID, 230V/60HZ
12A2105C06	1	COIL FOR SPORLAN SOLENOID, 120 VOLT, 50/60 HZ

P34F Series Parts List

Water Tank/Circulating Water (Con'd)

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A4170T01	1	THERMOMETER, WEKSLER, 2" DIAL, 4" STEM 25-125 DEG F.
12A4205G0601LF	1	3/4" STOP VALVE, LEAD FREE BRONZE
12A4078C02	1	CURTAIN, P34 CRUSHED ICE
12A4181T15	12	TUBING, PLASTIC, CLEAR, 2-7/8" ID x 3-1/4" OD NSF <i>Circulating Water (Priced per ft.) (12ft. Lengths Only)</i>
12A4181T09	15	TUBING, PLASTIC, CLEAR, 2" ID x 3/16" THK <i>Overflow (Priced per ft.)</i>
12A4020G18	1	PUMP, GOULD, SSH-(6SHK6), 7.5 H

Compressors/Components

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2110C0103	1	COMPRESSOR, F8WB-BB W / BALL B
12A2030B16	1	BELT, MATCHED SET OF 8, BROWNI
12A2030B29	1	BELT, #C128, MATCHED SET OF 10
12A7509E01	1	MYCOM CRANKCASE HEATER, 300 WATT 230V-60HZ
12A2110C0902	1	OIL FILTER, SPIN-ON, MYCOM <i>Optional</i>
12A2117G09	1	ELECTRONIC THERMOSTAT
12A4200A0410	1	SOLENOID VALVE, 1/2" ODC SPORLAN, 208/230V COIL
12A4200C0317	1	VALVE, THERMAL EXPANSION, 3/8" X 1/2" ODF
12A2117A02	1	OIL PRESSURE SWITCH, AMMONIA, P28AN-1
12A2117D01	1	HI/LOW PRESSURE SWITCH
12A2590G14	1	GAGE, VILTER #1204E, 300 PSI, 1/4"
12A2590G15	1	OIL PRESSURE GAGE, VILTER #2047A, 2 1/2" DIAL 0-300
12A2900M2008	1	MOTOR 150 HP, 444T FRAME, F1 MO
12A2900M2011	1	MOTOR, 200 HP, 445T FRAME, F1
12A2590P01	1	GAGE STEADY-MOUNT #A17311SS
12A3025S15	1	OIL SEPARATOR, TEMPRITE #924 1-1/8"x1/4" SAE

Compressor Internals

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
CR0029-BB8	1	CRANKSHAFT (BB) 8B
CR0030-AB	1	DRAG CRANK A,B,J
CR0120-B	1	MAIN BEARING B
CR0149-B	1	CUNO FILTER B
NL1520-F	1	OIL PRESSURE REG VALVE A,B
CR0291-BBE	1	THRUST BEARING (BB, AL) B
CR7090-B	1	ROLLER BEARING (FREON) B
CR0329-WB	1	MECHANICAL SEAL ASSY DBL B,WB
CR0400-B	2	LOCKNUT, SHAFT SEAL (2) B
CR0569-B2	1	OIL PUMP ASSY (W/G) B
CR0619-B	8	CYLINDER SLEEVE (W/G) B
CR0689-B	6	LIFT PIN SET B
CR0710-B	8	SUCTION VALVE B
CR0729-WB4	8	SPRING SET, SUCTION VALVE WB

P34F Series Parts List

Compressor Internals (Con'd)

Part Number	Req'd	Description
CR0760-BM	8	CONNECTING ROD ASSY BUSH B
CR0789-B	16	BOLT SET, CONNECTING ROD B
CR0821-BF	8	BUSHING, CONNECTING ROD (BP8-2F) B
CR0849-B	8	BEARING HALVES SET B
CR0851-B	8	PISTON (AL) B
CR0860-B	8	PISTON PIN B
CR0879-B	8	PISTON PIN SNAP RING SET B
CR0899-WB1	8	PISTON RING SET WB
CR1101-B	8	DISCHARGE VALVE B
CR1169-WB4	8	SPRING SET, DISCH. VALVE WB
CR7610-B	1	OIL FILTER B
CR1450-FCB	3	UNLOADER PISTON B
CR7109-FB4	1	O-RING SET F4B/F6B/F8B
CR7117-FB8	1	GASKET KIT F8WB
KF7111-M24	3	COIL, SOLENOID MKC-1 208-240V 50-60HZ XOF

Condenser

Part Number	Req'd	Description
12A2600R16	1	GASKET SET FOR CHILL-CON CONDE
12A4200L0414	2	RELIEF VALVE SET @ 350#, 1/2" IN x 1" OUT
12A4200M0402	1	3-WAY VALVE 1/2" NPT

Receiver

Part Number	Req'd	Description
12A2625G04	1	GAGE GLASS 1/2" X 38-1/8" LONG
12A2635G06	2	GAGE GLASS GUARD 60" LENGTH
12A4200J0405	1	UPPER GAGE COCK VALVE, STEEL
12A4200J0406	1	LOWER GAGE COCK VALVE, STEEL
12A4200G0808	1	VALVES, ANGLE, 1" THREADED
12A4200L0414	2	RELIEF VALVE SET @ 350#, 1/2" IN x 1" OUT
12A4200M0402	1	3-WAY VALVE 1/2" NPT

P34F Series Parts List

Liquid Line

Part Number	Req'd	Description
12A4200C0604	1	EXPANSION VALVE, HANSEN 3/4" SOCKET WELD
12A4200A0604	1	VALVES, SOLENOID, HANSEN #HS8 3/4" W/STRAINER
12A4200A1404	1	VALVES, HANSEN #HS4A, 2" INTERNAL PORT, 240V-60HZ
12A4200C1202	1	VALVES, EXPANSION, (HAND) 2" SOCKET WELD
12A4200G0402	1	ANGLE VALVE, 1/2" MPT x 1/2" FPT-CHARGING VALVE
126229	1	COIL, HANSEN, 208/240V-50/60HZ
12A2105C08	1	COIL, HANSEN, 115V-50/60HZ (1/2" FITTING)
12A4199V51	1	REPAIR KIT FOR HANSEN HS8
12A7500E27	1	HANSEN LEVEL CONTROL PROBE, 40" LENGTH FOR R22
12A7500E2705	1	HANSEN LEVEL CONTROL PROBE, 40" LENGTH FOR 404A
12A7500E28	1	HANSEN VARI-LEVEL CONTROL, 3-RELAY OUTPUTS, 240-50/60
12A2140C02	4	FILTER DRIER CORE #RCW-48 FOR R-404A
12A2600F01	2	FLANGE GASKET FOR 3/4" & 1" 2-BOLT FLANGE

Thawing Gas Line

Part Number	Req'd	Description
12A4200A1404	1	VALVES, HANSEN #HS4A, 2" INTERNAL PORT, 240V-60HZ
126229	1	COIL, HANSEN, 208/240V-50/60HZ
12A2105C08	1	COIL, HANSEN, 115V-50/60HZ (1/2" FITTING)
12A4199V35H	1	REPAIR KIT, 2" HANSEN SOLENOID
12A4140S18P	1	2" STRAINER, HANSEN
12A4200B1403	1	CHECK VALVE, HANSEN 2" (9-7/8" LONG, FEMALE FLGS)

Pressure Line & Fittings

Part Number	Req'd	Description
12A4182S03		TUBING, 1/4" OD TYPE 304 STAINLESS (PRICED PER FT)
12A2452M02		CONNECTOR, MALE, 1/4" MPT x 1/4" TUBING
12A2452E01		ELL, 90 DEG 1/4" MPT X 1/4" TUBING
12A2452F01		CONNECTOR, FEMALE 1/4" FPT x 1/4" TUBING
12A2452T01		TEE, UNION, 1/4" x 1/4" x 1/4" TUBING
12A2452T02		TEE, 1/4" TUBING x 1/4" TUBING x 1/4" MPT
12A2100C0303		CLAMPS, 1/4" OD TUBING