

## HES Series Parts List

### Control Panel Components

Note: Machines manufactured before May 1999 will have Cutler Hammer controls and may be replaced with Allen Bradley controls listed below.

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A7515E21	2	CONTROL CIRCUIT CIRCUIT BREAKER, 3 AMP, 2-POLE
12A7515E18	1	PUMP/CUTTER MOTOR CIRCUIT BREAKER, 2-POLE, 10 AMP <b>Cutter/Pump</b>
12A7515E19	1	CONDENSER FAN CIRCUIT BREAKER, 2-POLE, 15 AMP <b>Air-Cooled machines</b>
12A7516E26	1	A/B CONTACTOR, 23-AMP, 3-POLE, 208/240V W/1-NC AUX <b>Compressor Motor Contactor, Replaces C/H 12A7516E13</b>
12A7518E30	1	A/B AUX. CONTACT, 3A, 1 NO/1 NC, (SIDE MOUNT) <b>Auxiliary contact for compressor contactor above</b>
12A7516E43	1	A/B CONTACTOR, 9-AMP, 4-POLE, 208/240V W/2-NO,2-NC <b>Reversing relay for dual ice machines (Replaces 12A7517E27)</b>
12A7516E23	2	A/B CONTACTOR, 9-AMP, 3-POLE, 208/240V W/1-NO AUX <b>Pump or Cutter Motor</b>
12A7538E01	2	OVERLOAD RELAY, 2 - 7 AMP, CUTTER OR PUMP <b>Used with above contactor</b>
12A7536M01	1	PROGRAMMABLE CONTROLLER (PLC) FXOS-14MR <b>(Must specify model &amp; serial number)</b>
12A2117E04	2	FREEZER PRESSURE SWITCH-R22/R404a
12A2117F08	1	CONDENSER FAN CONTROL SWITCH <b>Air-cooled units</b>
12A2117D02	1	HI/LOW PRESSURE SWITCH <b>Hi/low pressure switch</b>
12A7500E44	1	SELECTOR SWITCH 3 POSITION C/H <b>Single ice selector switch</b>
12A7500E61	1	A/B SELECTOR SWITCH, 3 POSITION <b>Single ice selector switch (also requires contact block below) (Replaces CH switch 12A7500E44)</b>
12A7500E73	1	CONTACT BLOCK/MOUNTING LATCH, 2-NO
12A7500E61	2	A/B SELECTOR SWITCH, 3 POSITION <b>Dual ice selector switch (also requires contact blocks below) (Replaces CH switch 12A7500E43) (Drawing available)</b>
12A7500E73	1	CONTACT BLOCK/MOUNTING LATCH, 2-NO
12A7500E79	1	CONTACT BLOCK/MOUNTING LATCH W/2-NC
12A7500E56	1	A/B PUSH BUTTON SWITCH (GREEN) <b>Start/harvest switch (requires contact below)</b>
12A7500E75	1	CONTACT BLOCK/MOUNTING LATCH, 1-NO <b>Momentary contact for above push button</b>
12A7500E65	1	FAULT INDICATOR LIGHT, RED, 24 VDC, A/B
12A7500E65B	1	PILOT LIGHT, REPLACEMENT BULB, <b>Start/harvest switch (requires contact below)</b>
12A2117G09	2	ELECTRONIC BIN THERMOSTAT
12A2117G0901	1	REPLACEMENT ELECTRONIC THERMOSTAT PROBE
12A2117B03	2	THAWING GAS PRESSURE SWITCH <b>R404A Units Only</b>

## HES Series Parts List

### Control Panel Components Con'd

12AHES01	1	HES SINGLE TO DUAL ICE CONVERSION KIT
12A7519E32	1	TRANSFORMER, HEVI-DUTY 2KVA 460/240 60HZ
12A7519E29	1	TRANSFORMER, HEVI-DUTY 2KVA 380/440-190/220 50HZ "CE"

### Freezer Components

Part Number	Req'd	Description
12A2600G01	1	FREEZER COVER GASKET 13" OD X 11 11/16" ID X 3/16"
12A2145C09	1	COVER, FREEZER, 12" TYPE 304 CAST STAINLESS STEEL
12A2222H1118	8	STUD BOLT, 3/8"-16NC X2 3/4"LG
12A2240H4109	8	NUT, WING, BRASS, 3/8"-16NC
12A2250A109	8	WASHER, CUT 3/8" x 7/8" O.D. SS
12A4200L0402	1	RELIEF VALVE SET @ 350#, 1/2" MPT x 5/8" SAE
12A4200G0301	1	CHARGING VALVE, 3/8 MPT X 1/2 SAE FLARE
12A2451R01	1	REDUCER WITH GASKET 1/2" SAE X 1/4" SAE
12A2451C01	1	CAP, WC, 1/4" FLARE, WITH NEOPRENE SEAL
12A4200R0702	1	ROTA-LOCK VALVE VERTICAL 7/8" ID SWT x 1-1/4-12 THREAD <i>Liquid feed/Thawing gas (also freezer pressure switch)</i>
12A2600T01	1	ROTA-LOCK PRIMORE TEFLON SEAL FOR 1-1/4-12 THREAD
12B2185N11	78	1" WATER DISTRIBUTOR SANOPRENE NO VENT
12B2185N21	48	1-1/4" WATER DISTRIBUTOR SANOPRENE NO VENT

### Compressors / Components

**Note: R22 SCROLL COMPRESSORS ARE SHIPPED WITH MINERAL OIL CHARGE, 40 COMPRESSORS ARE SHIPPED WITH A POE OIL CHARGE. ACCOMPANYING FITTINGS ARE NOT INCLUDED WITH THE REPLACEMENT COMPRESSOR.**

#### SCROLL COMPRESSOR WARRANTY

SCROLL COMPRESSORS ARE SOLD WITH A ONE YEAR FACTORY WARRANTY FROM DA SHIPMENT THAT COVERS MANUFACTURING DEFECTS ON THE COMPRESSOR. WARR. COMPRESSOR REPLACEMENT WILL BE LIMITED TO ONE PER UNIT. PLEASE CONTACT PARTS DEPARTMENT FOR COMPLETE COMPRESSOR WARRANTY DETAILS.

Part Number	Req'd	Description
12A2110S3801	1	SCROLL COMPRESSOR, ZB21KCE-TF5-230 R22 <i>HES20 Models, 208/230V-3P-60HZ or 200V-3P-50HZ</i>
12A2110S3901	1	SCROLL COMPRESSOR, ZB21KA-TFD-230 R22 <i>HES20 Models, 460V-3P-60HZ or 380/400V-3P-50HZ</i>
12A2110S4501	1	SCROLL COMPRESSOR, ZB30KCE-TF5-250, R22 <i>HES30 Models, 208/230V-3P-60HZ or 200V-3P-50HZ</i>
12A2110S4601	1	SCROLL COMPRESSOR, ZB30KCE-TFD-250 R22 <i>HES30 Models, 460V-3P-60HZ or 380/400V-3P-50HZ</i>
12A2110S4301	1	SCROLL COMPRESSOR, ZB45KCE-TF5-250, R22 <i>HES40 Models, 208/230V-3P-60HZ or 200V-3P-50HZ</i>
12A2110S4401	1	SCROLL COMPRESSOR, ZB45KCE-TFD-250, R22 <i>HES40 Models, 460V-3P-60HZ or 380/400V-3P-50HZ</i>
12A2110S51	1	COMPRESSOR, ZB21KCE-TF5-230, 200/220/230-3-50/60 R404a <i>HES20 Models, 208/230V-3P-60HZ or 200V-3P-50HZ</i>
12A2110S52	1	COMPRESSOR, ZB21KCE-TFD-230, 400/460-3-60 R404a <i>HES20 Models, 460V-3P-60HZ or 380/400V-3P-50HZ</i>

## HES Series Parts List

### Compressors / Components Con'd)

<b>Part Number</b>	<b>Req'd</b>	<b>Description</b>
12A2110S49	1	COMPRESSOR, ZB30KCE-TF5-250, 200/220/230-3-60 R404a <b>HES30 Models, 208/230V-3P-60HZ or 200V-3P-50HZ</b>
12A2110S50	1	COMPRESSOR, ZB30KCE-TFD-250, 400/460-3-50/60 R404a <b>HES30 Models, 460V-3P-60HZ or 380/400V-3P-50HZ</b>
12A2110S47	1	COMPRESSOR, ZS45KCE-TF5-250, 200/220/230-3-60 R404a <b>HES40 Models, 208/230V-3P-60HZ or 200V-3P-50HZ</b>
12A2110S48	1	COMPRESSOR, ZB45KCE-TFD-250, 400/460-3-50/60 R404a <b>HES40 Models, 460V-3P-60HZ or 380/400V-3P-50HZ</b>
12A7509E13K	1	SCROLL CRANKCASE HTR KIT, 80WATTS FOR HES20/30/40 <b>Replaces 40 or 80 watt heaters on all scroll compressors</b>
12A4200R0801	1	ROTA-LOCK VALVE W/NEUTRAL PORT 1-1/8" SWT x 1-1/4"-12 <b>Compressor suction service valve with neutral port</b>
12A2600T01	1	ROTA-LOCK PRIMORE TEFLON SEAL FOR 1-1/4-12 THREAD
12A2396C0401	1	ROTA-LOCK BRASS ADAPTER, 3/4" IDS x 1-1/4"-12 THREAD <b>Compressor suction adaptor HES20</b>
12A2396C0402	1	ROTA-LOCK BRASS ADAPTER, 7/8" IDS x 1-1/4"-12 THREAD <b>Compressor suction adaptor HES30 &amp; HES40</b>
12A2396C0201	1	ROTA-LOCK BRASS ADAPTER, 1/2" IDS x 1"-14 THREAD <b>Compressor discharge adaptor all models</b>
12A4200R0402	1	ROTA-LOCK VALVE W/NEUTRAL PORT 5/8" IDS x 1-14 THREAD <b>Compressor discharge service valve with neutral port</b>
12A2600T02	1	ROTA-LOCK PRIMORE TEFLON SEAL FOR 1-14 THREAD
12A7700P02	1	PERFORMANCE ALERT-COPELAND SCROLL COMPRESSORS <b>On Machines Built After October 2009</b>

### Cutter Drive/Cutter Internals

<b>Part Number</b>	<b>Req'd</b>	<b>Description</b>
12A2900M0507	1	CUTTER MOTOR, 1/2HP 208/230V-1P-50/60HZ
12A4030R12	1	GEAR REDUCER, GROVE 10:1 WASHDOWN W/VENT
12A4080S25	1	SEAL KIT FOR GROVE REDUCER 12A4030R12
19T3020C01	1	GEAR OIL, 10 OUNCE BOTTLE, TEXACO CYGNUS
19T2615D01	1	CUTTER DRIVE GEAR TI-59 W/O HUB
12A2160H0101	1	CUTTER DRIVE GEAR HUB 5/8" BORE
12A2215F1112	3	CAP SCREW, 1/4"-20NC X 1 1/4"Long SS <b>Hub mounting screws</b>
12A2250B107	3	WASHER, LOCK 1/4" SS ( 300 SERIES)
12B2020R04	1	HE ( UHMW ) CUTTER BEARING
12A3040S02	1	CUTTER BEARING ROLL PIN 3/16" X 1/2"
19T2025B0103	1	BEARING BRACKET FOR 12" CUTTER
19T2170D01	1	ICE DEFLECTOR DOOR
12A4071S03	1	RIVET, 3/16 X 2 1/4 FLAT HD. FOR ICE DELECTOR DOOR
19T1501S28	1	HE/P112 GEAR REDUCER MOUNTING PLATE
19T2163D0101	1	CUTTER DISC, STAINLESS STEEL FOR 12" CUTTER
12A3040S01	1	CUTTER DISC ROLL PIN, 1/4" X 1 1/2"
19T4073R07	1	CUTTER DISC ROLL PIN TOOL
19T2160C0101	1	HE CUTTER ASSEMBLY, INVESTMENT CAST SS

## HES Series Parts List

### Cutter Drive/Cutter Internals Con'd

19T2010A01	1	ADAPTOR PLATE KIT FOR HE (1") DIA. X 3/4" LONG ICE <i>Mounting screws below thread directly into lower plate</i>
12A2226F1108	4	MACHINE SCREW, FLAT HEAD SS, 1/4" x 3/4"
19T2090C04	1	HE ICE CHUTE ASSEMBLY FOR DUAL ICE
19T2090C07	1	HE/03TA ICE CHUTE ASSEMBLY FOR SINGLE TYPE ICE

### Water Pump/Circulating Water

Part Number	Req'd	Description
12A4200H0401	1	FLOAT VALVE W/BALL & STEM, 1/2" ROBERTS
12A4020GR01	1	PUMP, GORMAN-RUPP 1/3HP 230-1-50/60,60HZ IMPELLOR, 7/07 <i>Used on all machines built after July 2007</i>
12A4020GR02	1	PUMP, GROMAN-RUPP 1/3HP 230-1-50/60,50HZ IMPELLOR, 7/07 <i>Used on all machines built after July 2007</i>
12A4020Z14	1	HE 60HZ WATER PUMP & PARTS KIT FOR GORMAN-RUPP <i>Replaces AP pump on machines built before July 2007 Kit includes Gormann-Rupp pump, fittings, bracket &amp; hoses</i>
12A4020Z15	1	HE 50HZ WATER PUMP & PARTS KIT FOR GORMAN-RUPP <i>Replaces AP pump on machines built before July 2007 Kit includes Gorman-Rupp pump, fittings, bracket &amp; hoses</i>
12A4080S21	1	SEAL/IMPELLER KIT 60HZ GORMAN-RUPP PUMP
12A4080S22	1	SEAL/IMPELLER KIT 50HZ GORMAN-RUPP PUMP
12A2450E29	1	ELBOW, PUMP SUCTION, SUR-SEAL,
12A2450E30K	1	REPLACEMENT KIT, FOR PUMP DISCHARGE ELBOW
12A4200G0103	1	VALVE, BALL, ANGLE, POLYPROPYL
12A2240C4111	1	BRASS HEX NUT FOR MAKEUP FLOAT VALVE
12A2475T0404	1	ELL, S.S. 1/2" FPT 90 DEG.
12A2452M05	1	ADAPTOR, 1/2" MPT x 3/8" TUBING
12A2452E07	1	ELL, SWIVEL, MALE, 90 DEG. 3/8" MPT x 3/8" TUBING
19T1501S0505	1	WATER FLOAT BOX COVER FOR HE SERIES
12A4181T12	2FT	TUBING, POLYETHYLENE 3/8" OD x 1/4" ID <i>Make-up water tubing (priced per foot)</i>
12A2600G12	1	WATER TANK GASKET 16 1/8" OD x 14" ID x 3/16" THK
12A4181T06	5FT	TUBING, TYGON B-44-3, 1-1/2" OD x 1-1/4" ID <i>Pump discharge tubing (priced per foot)</i>

### Water Tank Drain & Blowdown

Part Number	Req'd	Description
12A1501S26	1	PVC DRAIN / BLOWDOWN ASM 3/4"- HES & P112F
12A4200G0105	1	VALVE, BALL, UNION CONNECTOR,
12A2451U19	1	CONNECTOR, MALE, BRASS 1/4" MPT X 1/4" TUBING
12A2450E19	1	ELL, PVC, (NYLON) 1/4"FPT X 1/4" TUBING
12A4181T11	2	TUBING, POLYETHYLENE 1/4OD X .170" ID <i>Pet Cock Valve Tubing (priced per foot)</i>
12A4181T04	3FT	TUBING, TYGON B-44-3, 1-1/4" OD x 1" ID <i>Water tank drain tubing (priced per foot)</i>
12A2200D06	1	DRIP PAN, PLASTIC FOR HES SERIES
Items below are used with drip pan, if not reusable are required for replacement.		
12A2450C04	2	COUPLING, THRD, PVC, 3/4, SCH
12A2450C03	2	PIPE CAP, THRD, PVC, 3/4, SCH.
12A3049P05	1	PIPE, 3/4" PVC, SCH 40 <i>One piece of PVC 1 3/4" long</i>

## HES Series Parts List

### Water-Cooled Condenser

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2115S0401	1	CONDENSER, STANDARD KH2X, 8710 <b>HES20</b>
12A2115S0301	1	CONDENSER, STANDARD QC3X #8710-41 <b>HES30</b>
12A2115S0201	1	CONDENSER, STANDARD QC5X #8710-43 <b>HES40</b>
12A2055B01	1	CONDENSER CLEANING TOOL, ADJUSTABLE 3/8" x 1/2" ID
12659623	1	GASKET SET-K2X, KH2X & K3X "STANDARD" CONDENSER <b>HES20 (12-1/2" x 4-1/2")</b>
1265961	1	GASKET SET-K10X, KH10X, QC3X & QC5X "STANDARD" COND. <b>HES30 &amp; HES40 (16" x 5-1/2")</b>
12A4200E0605	1	WATER REGULATING VALVE, 3/4" <b>HES20 &amp; HES30</b>
12A4200E0802	1	WATER REGULATING VALVE, 1" FPT <b>HES40</b>
12A4200E0402	1	WATER REGULATING VALVE, 1/2" HP <b>HES20 &amp; HES30 High pressure (above 90 psi)</b>
12A4200E0801	1	WATER REGULATING VALVE, 1" METREX <b>HES40 High pressure (above 90 psi)</b>

### Air-Cooled Condenser

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2115B03	1	CONDENSER, BOHN # DVT005, 208/230-1P-50/60HZ <b>HES20</b>
12A2115B04	1	CONDENSER, BOHN # DVT008, 208/230-1P-50/60HZ <b>HES30</b>
12A2115B05	1	CONDENSER, BOHN # DVT012, 208/230-1P-50/60HZ <b>HES40</b>
12A2115B054	1	CONDENSER, BOHN # DVT012, 400/460V-3P-50/60HZ, <b>HES40</b>
12A2900M0401	1	CONDENSER FAN MOTOR 1/3HP <b>HDD-61 (HES20) for Kramer</b>
12A2900M0402	1	CONDENSER FAN MOTOR, 1/3HP, 208-230V, 1P, 50/60HZ <b>BOHN DVT005 (HE20)</b>
12A2900M0506	2	CONDENSER FAN MOTOR, 1/2HP, 208/230-1-60HZ <b>HDD-101, HDD-131 (HES30 &amp; HES40) for Kramer</b>
12A2900M0519	1	CONDENSER FAN MOTOR, 1/2HP, 208-230V, 1P, 50/60HZ <b>BOHN DVT008 &amp; DVT012 (HE30/HE40).</b>
12A2900M0520	1	CONDENSER FAN MOTOR, 1/3HP, 460V, 3P, 50/60HZ, <b>BOHN DVT008 &amp; DVT012 (HE30/HE40).</b>
12A2115P0301	1	CONDENSER, FAN BLADE, 30" <b>HDD-61 (HES20) for Kramer</b>
12A2115P08	1	CONDENSER FAN BLADE, 24" <b>BOHN DVT005 (HE20)</b>
12A2115P0401	2	CONDENSER, FAN BLADE, 24" <b>HDD-101, HDD-131 (HES30 &amp; HES40) for Kramer</b>

## HES Series Parts List

### Air-Cooled Condenser (Con'd)

<b>Part Number</b>	<b>Req'd</b>	<b>Description</b>
12A2115P09	1	CONDENSER FAN BLADE, 26" <b>BOHN DVT008 &amp; DVT012 (HE30 / HE40)</b>
12A2117G05		CONTROL, THERMOSTAT, PENN #A19 <b>(1 Req'd on Kramer HDD61, 2 Req'd on HDD101 &amp; HDD131)</b>
12A2117G09		ELECTRONIC BIN THERMOSTAT <b>(Control T-stat for Bohn condensers) (Used for fan control or motor control - wiring diagram available)</b>
12A4200A0503	1	SOLENOID VALVE, 5/8" NORMALLY OPEN <b>HDD-61 (HES20)</b>
12A4200A0704	1	SOLENOID VALVE, 7/8" NORMALLY OPEN <b>HDD-101, (HES30)</b>
12A2105C04	1	COIL, #OMKC-2 FOR SPORLAN N/O 120-208-240V.,50/60HZ
12A4200A09021	1	VALVES, SOLENOID, 1-1/8" SPORLAN OE3 NORMALLY OPEN <b>HDD-131 (HES40)</b>
12A2105C25	1	COIL, SPORLAN, OMKC-1,120/208-240V, 50/60HZ (N/O VALVE)
12A4199V42	1	REPAIR KIT FOR SPORLAN 5/8" N/O VALVE
12A4199V44	1	REPAIR KIT FOR SPORLAN 7/8" N/O VALVE
12A4199V55	1	REPAIR KIT SPORLAN OE35S N.O. SOLENOID VALVE
12A4200B0401	1	CHECK VALVE, 1/2" O.D. <b>HDD-61 (HES20)</b>
12A4200B0502	1	BALL CHECK VALVE, 5/8" O.D. <b>HDD-101, (HES30)</b>
12A4200B0701	1	CHECK VALVE, 7/8" O.D. <b>HDD-131 (HES40)</b>
12A4200L0201	1	RELIEF VALVE SET @ 400#, 1/4" NPT x 3/8" SAE
12A7512E13	1	ENCLOSURE, HOFFMAN #A-8R64, 8" x 6" x 4"
12A2396A0501	2	ROTALOCK CONNECTOR, 1 1/8" IDS x 1-1/4-12 THREAD
12A2600T01	2	ROTA-LOCK PRIMORE TEFLON SEAL FOR 1-1/4-12 THREAD
12A4200G0408	1	BALL VALVE, 1/2" O.D. WITH SEAL CAP
12A4200G0502	1	BALL VALVE, 5/8" O.D. WITH SEAL CAP
12A4200G0702	1	BALL VALVE, 7/8" O.D. WITH SEAL CAP
12A4200G0902	1	BALL VALVE, 1-1/8" O.D. WITH SEAL CAP

**BALL VALVE USAGE: HDD-61 (1/2" & 5/8"), HDD-101 (5/8" & 7/8"), HDD131 (7/8" & 1-1/8")**

### Receiver Parts

<b>Part Number</b>	<b>Req'd</b>	<b>Description</b>
12A4200J0405	1	UPPER GAGE COCK VALVE, STEEL <b>Replaced Brass Valve - May 1999</b>
12A4200J0406	1	LOWER GAGE COCK VALVE, STEEL <b>Replaced Brass Valve - May 1999</b>
12A3050C0301	2	PIPE NIPPLE, 1/2" X 1-1/2" LONG
12A2625G10	1	GAGE GLASS, 1/2" X 20" LONG <b>For Steel Valves (Started use in May 1999)</b>
12A2625G08	1	GAGE GLASS 1/2" X 18 7/8" LONG <b>For Brass Valves (Usage before May 1999)</b>
19T2635G07	1	GAGE GLASS GUARD SET, 18 5/8"
12A4199V26	2	GAGE GLASS PACKING O-RING FOR 1/2" DIAMETER
12A4200L0408	1	RELIEF VALVE SET @ 400#, 1/2" MPT x 5/8" SAE

## HES Series Parts List

### Receiver Parts (Con'd)

Part Number	Req'd	Description
12A4200B0502	1	BALL CHECK VALVE, 5/8" O.D.
12A4200R0401	1	ROTA-LOCK VALVE HORIZONTAL 1/2" ID SWT x 1-14 THREAD <i>King Valve</i>
12A2600T02	1	ROTA-LOCK PRIMORE TEFLON SEAL FOR 1-14 THREAD
12A4200R0701	2	ROTA-LOCK VALVE HORIZ. 7/8" ID SWT x 1-1/4-12 THREAD <i>Liquid Return &amp; Thawing Gas</i>
12A2600T01	2	ROTA-LOCK PRIMORE TEFLON SEAL FOR 1-1/4-12 THREAD

**Note: Valve core and 1/4" seal cap required for Rota-lock valves**

12A2451C01	1	CAP, WC, 1/4" FLARE, WITH NEOPRENE SEAL
12A2451V01	1	VALVE CORE FOR 1/4" ACCESS VALVE

### Thawing Gas Line

Part Number	Req'd	Description
12A4200A07051	1	VALVES, SOLENOID SPORLAN ME25-HP 7/8" ODF LESS COIL <i>Thawing gas solenoid (D-valve) Replaces all previous valves</i>
12A2105C33	1	COIL, SPORLAN, MKC-2 DUAL JAU, 120/208-240, 50/60HZ, <i>For use with ME25-HP, Replaces Sporlan Coil #12A2105C16</i>
12A4199V69	1	REPAIR KIT, FOR ME25S-HP
12A2105C34	1	COIL, EMMERSON120/240V, 50/60HZ, 12 WATT
12A4199V39	1	REPAIR KIT #KSB25/E25 FOR SPORLAN ME25S
12A4200R0701	1	ROTA-LOCK VALVE HORIZ. 7/8" ID SWT x 1-1/4-12 THREAD <i>Thawing gas stop valve</i>
12A2600T01	1	ROTA-LOCK PRIMORE TEFLON SEAL FOR 1-1/4-12 THREAD
12A2451C01	1	CAP, WC, 1/4" FLARE, WITH NEOPRENE SEAL
12A2451V01	1	VALVE CORE FOR 1/4" ACCESS VALVE

### Liquid Line

Part Number	Req'd	Description
12A4200C0312	1	EXPANSION VALVE, SPORLAN 3/8" IN x 1/2" OUT <i>HES20 - R22</i>
12A4200C0311	1	EXPANSION VALVE, SPORLAN 3/8" IN x 1/2" OUT <i>HES30 &amp; HES40 - R22</i>
12A4200C0318	1	EXPANSION VALVE, SPORLAN, 3/8" IN X 1/2" OUT 404A <i>HES20 - R404A</i>
12A4200C0306	1	EXPANSION VALVE, SPORLAN 1/2" X 7/8" 404A <i>HES30 &amp; HES40 - R404A</i>
12A4200A0404	1	VALVES, SOLENOID SPORLAN 1/2" ODF 208/230V-50/60 <i>Liquid line solenoid (A-valve)</i>
12A2105C33	1	COIL, SPORLAN, MKC-2 DUAL JAU, 120/208-240, 50/60HZ,
12A4199V37	1	REPAIR KIT #KSB9/E9 FOR SPORLAN ME9S
12A4200R0401	1	ROTA-LOCK VALVE HORIZONTAL 1/2" ID SWT x 1-14 THREAD
12A2600T02	1	ROTA-LOCK PRIMORE TEFLON SEAL FOR 1-14 THREAD
12A4140S04	1	STRAINER, 1/2" ODS Y-TYPE HENRY
12A4140S33	1	REPLACEMENT SEAL, FOR Y-TYPE STRAINER 12A4140S04
12A2195D02	1	DRIER, SPORLAN, 1/2" SAE

## HES Series Parts List

### Suction Line

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
19T4200A09022	1	SUCTION STOP VALVE ASSY FOR HES20, 1-1/8"
19T4200A09023	1	SUCTION STOP VALVE ASSY FOR HES30, 1-1/8"
19T4200A09024	1	SUCTION STOP VALVE ASSY FOR HES40, 1-1/8"
12A4199V45	1	REPAIR KIT FOR SPORLAN 1-1/8" N/O VALVE <i>(Sporlan 0E34S290 discontinued use in Aug, 2006)</i>
12A2105C04	1	COIL, #OMKC-2 FOR SPORLAN N/O 120-208-240V., 50/60HZ <i>(For Sporlan 0E34S290)</i>
12A4199V55	1	REPAIR KIT SPORLAN OE35S N.O. SOLENOID VALVE <i>(Sporlan 0E35S190 used on machines beginning Sept,2006)</i>
12A2105C25	1	COIL, SPORLAN, OMKC-1, 120/208-240V, 50/60HZ (N/O VALVE) <i>(For Sporlan 0E35S190)</i>
12A2000A14	1	ACCUMULATOR/HEATX REF. RESEARCH <i>(Replaces AC &amp; R #12A2000A16)</i>

### Discharge Line & Oil Return

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A4200A0505	1	VALVES, SOLENOID, SPORLAN 5/8" EXT ENDS, DUAL V COIL <i>(X-valve) For air-cooled units only</i> <i>Used on all machines AFTER November 2013</i>
12A4199V43	1	REPAIR KIT FOR SPORLAN MB19S VALVE
12A4199V38	1	REPAIR KIT #KSB14/E14 FOR SPORLAN ME14S
12A2105C33	1	COIL, SPORLAN, MKC-2 DUAL JAU, 120/208-240, 50/60HZ,
12A3025S18	1	OIL SEPARATOR TEMPRITE #902, 5/8" CONN, 1/4" SAE OIL <i>(Replaces ACR #12A3025S10) (Mounting leg, Access Valve, and 20" Superhose required for changing from ACR)</i>
12A4000P03	1	MOUNTING LEG FOR TEMPRITE #902 OIL SEPARATOR
12A4206A01	1	ACCESS VALVE, 1/4" ODC X 1/4"
12A2742S03	1	SUPERHOSE ASSY, 20" LONG, 1/4"
12A2742S01	1	SUPERHOSE ASSY, 12" LONG, 1/4"
12A4140S36K	1	STRAINER KIT, OIL LINE, 3/8" REPLACING 1/4" STRAINER
12A4140S36	1	STRAINER, OIL LINE, 3/8" FLARE

### Casings

<u>Part Number</u>	<u>Req'd</u>	<u>Description</u>
12A2080K03	1	CASING KIT FOR HES SERIES, STAINLESS STEEL