



# COMPRESSORS

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## Tecumseh Compressors

Founded in 1934, Tecumseh Products Company is a leading global manufacturer offering reciprocating, rotary and scroll compressors with hermetic and semi-hermetic technology.

### 1PH LST LBP R134a/R513A\*

CODE	MODEL	CONN.	APPROX HP	DISP. C.C.
I600	THG1335YS	Tube	1/9	3.58
I601	THG1340YS	Tube	1/8	4.23
I602	THG1352YS	Tube	1/7	5.60
I603	THG1365YS	Tube	1/6	6.10
I403	AE1390Y	Tube	1/3	8.00

### 1PH HST LBP R134a/R513A\*

CODE	MODEL	CONN.	APPROX HP	DISP. C.C.
I4000	AE2410Y	Tube	1/4	9.40
I4001	AE2413Y	Tube	1/3	12.00
I4002	AE2415Y	Tube	3/8	12.50

### 1PH HST HBP R134a/R513A\*

CODE	MODEL	CONN.	APPROX HP	DISP. C.C.
IA446	THB4410Y	Tube	1/10	2.72
IA447	THB4413Y	Tube	1/8	3.60
IA448	THB4415Y	Tube	1/6	4.23
IA449	THB4419Y	Tube	1/5	5.00
IA450	THB4422Y	Tube	1/5	5.90
I450	AE4425Y	Tube	1/5	6.69
I451	AE4430Y	Tube	1/4	8.02
I452	AE4440Y	Tube	1/3	10.33
I448	AE4450Y	Tube	3/8	13.24
I457	AE4456Y	Tube	3/8	14.51
I4010	AE4460Y	Tube	1/2	15.09
I4100	AJ4461N FZ	Tube	3/8	15.20
I4130	AJ4461N FZ	Tube	1/2	18.30
I4110	AJ4661N FZ	Valve	1/2	18.30
I4134	AJ4476N FZ	Tube	5/8	22.80
I4105	AJ4476N FZ	Valve	5/8	22.80
I4138	AJ4492N FZ	Tube	3/4	25.95
I4112	AJ4492N FZ	Valve	3/4	25.95
I4129	AJ4511N FZ	Tube	1	32.70
I4114	AJ4511N FZ	Valve	1	32.70
I4136	AJ4513N FZ	Tube	1	34.45
I4128	AJ4513N FZ	Valve	1	34.45
I7030	FH4518Y-XC	Tube	1-1/2	48.50
I7031	FH4518Y-XC	Valve	1-1/2	48.50
I7032	FH4525Y-XC	Tube	2	63.00
I7033	FH4525Y-XC	Valve	2	63.00

XC = 220-240V-50Hz XG = 400V-3PH-50Hz

### 3PH HBP R134a/R513A\*

CODE	MODEL	CONN.	APPROX HP	DISP. C.C.
I4132	AJ4461N TZ	Tube	1	32.70
I4118	AJ4511N TZ	Valve	1	32.70
I7034	FH4518Y-XG	Valve	1-1/2	48.50
I7035	FH4525Y-XG	Valve	2	63.00
I4120	AG4528N TZ	Valve	2-1/2	90.20
I4122	AG4534N TZ	Valve	2-3/4	100.70
I4124	AG4537N TZ	Valve	3-1/4	112.50
I4126	AG4543N TZ	Valve	3-1/2	124.40

XC = 220-240V-50Hz XG = 400V-3PH-50Hz



\*R513A/R452A/R449A selections, refer to Tecumseh Guidelines

# Tecumseh Compressors

## 1PH HST LBP R404A/R452A\*

CODE	MODEL	CONN.	APPROX HP	DISP. C.C.
I4018	AE2410Z	Tube	1/4	5.02
I415	AE2415Z	Tube	3/8	7.33
I407	AE2420Z	Tube	1/2	9.35
I417	AE2425Z	Tube	5/8	12.01
I4300	AJ2432P FZ	Tube	3/4	18.30
I4260	AJ2432P FZ	Valve	3/4	18.30
I4312	AJ2440P FZ	Tube	1	21.0
I4250	AJ2440P FZ	Valve	1	21.0
I4302	AJ2446P FZ	Tube	1-1/4	26.20
I4262	AJ2446P FZ	Valve	1-1/4	26.20
I4304	AJ2464P FZ	Tube	1-1/2	34.50
I4264	AJ2464P FZ	Valve	1-1/2	34.50
I479	FH2480Z-XC	Tube	2	54.30
I7036	FH2480Z-XC	Valve	2	54.30
I7037	FH2511-XC	Valve	2-1/2	68.00

XC = 220-240V-50Hz XG = 400V-3PH-50Hz



## 3PH LBP R404A/R452A\*

CODE	MODEL	CONN.	APPROX HP	DISP. C.C.
I414	AJ2446P-TZ	Valve	1-1/4	26.20
I4283	AJ4517P FZ	Valve	1-1/2	34.50
I4266	AJ2464P TZ	Valve	1-1/2	34.50
I7038	FH2480Z-XG	Valve	2	54.30
I7039	FH2480Z-XG	Tube	2	54.30
I7040	FH2511Z-XG	Tube	2-1/2	68.00
I7041	FH2511Z-XG	Valve	2-1/2	68.00
I4252	AG2513P TZ	Tube	3-1/2	100.70
I4269	AG2516P TZ	Valve	4	112.50
I4271	AG2522P TZ	Valve	5-1/2	135.00
I4254	AG2525P TZ	Tube	6	145.00

XC = 220-240V-50Hz XG = 400V-3PH-50Hz



## 1PH HST HBP R404A/R452A/R449A\*

CODE	MODEL	CONN.	APPROX HP	DISP. C.C.
I4032	AE4425Z	Tube	1/5	4.24
I419	AE4430Z	Tube	1/4	5.16
I423	AE4440Z	Tube	3/8	6.69
I425	AE4450Z	Tube	3/8	8.85
I426	AE4460Z	Tube	1/2	10.33
I427	AE4470Z	Tube	5/8	12.01
I4310	AJ4480P FZ	Tube	5/8	15.20
I4275	AJ4480P FZ	Valve	5/8	15.20
I4316	AJ4510P FZ	Tube	3/4	18.30
I4277	AJ4510P FZ	Valve	3/4	18.30
I4318	AJ4513P FZ	Tube	1	24.20
I430	CAJ9513Z	Valve	1	24.20
I4306	AJ4517P FZ	Tube	1-1/4	25.95
I431	CAJ4517Z	Valve	1-1/4	25.95
I4297	AJ4519P FZ	Tube	1-1/2	34.45
I4279	AJ4519P FZ	Valve	1-1/2	34.45
I7042	FH4522Z-XC	Valve	1-5/8	39.60
I7043	FH4524Z-XC	Valve	2	43.30
I7044	FH4532Z-XC	Valve	2-1/2	50.60
I7045	FH4538Z-XC	Valve	3-1/2	63.00

XC = 220-240V-50Hz XG = 400V-3PH-50Hz



3PH HBP R404A Compressors  
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\*R513A/R452A/R449A selections, refer to Tecumseh Guidelines

## Tecumseh Compressors



### 3PH - HBP R404A/R452A/R449A\*

CODE	MODEL	CONN.	APPROX HP	DISP. C.C.
I4281	AJ4513P TZ	Valve	1	24.20
I4283	AJ4517P TZ	Valve	1-1/4	25.95
I4285	AJ4519P TZ	Valve	1-1/2	34.45
I7046	FH4522Z-XG	Valve	1-5/8	39.60
I7047	FH4524Z-XG	Valve	2	43.30
I7048	FH4532Z-XG	Valve	2-1/2	50.60
I7049	FH4538Z-XG	Valve	3	63.00
I4287	AG4546P TZ	Valve	4	90.20
I4289	AG4553P TZ	Valve	4-1/2	100.70
I4291	AG4561P TZ	Valve	5	112.50
I4293	AG4568P TZ	Valve	6	124.40
I4295	AG4573P TZ	Valve	6-1/2	135.00
I445	TAG4568Z	Valve	7	145.00

\*R513A/R452A/R449A selections, refer to Tecumseh Guidelines



## Tecumseh Air Conditioning Compressors



### 1PH - CSR Air Conditioning R407C

CODE	MODEL	CONN.	APPROX HP	DISP. C.C.
IL494	AE5465C	Tube	1/2	10.33
I4400	CAJ9510Z FZ	Tube	3/4	18.60
IL497	AJ5512C	Tube	7/8	21.75
I4402	CAJ9513Z-FZ	Tube	1	24.20
I4404	CAJ4517Z FZ	Tube	1-1/4	25.95
IL500	CAJ4519Z-FZ	Tube	1-1/2	32.70
I4406	CAJ4519Z FZ	Tube	1-1/2	34.45



### 3PH - Air Conditioning R407C

CODE	MODEL	CONN.	APPROX HP	DISP. C.C.
I4408	TAJ4517Z TZ	Tube	1-1/4	25.95
I4410	TAJ4519Z TZ	Tube	1-1/2	34.45
I4415	TAG4546Z TZ	Tube	4	90.20
I4418	TAG4553Z TZ	Tube	4-1/2	100.70
I4420	TAG4561Z TZ	Tube	5	112.50
I4422	TAG4568Z TZ	Tube	6	124.40
I4424	TAG4573Z TZ	Tube	6-1/2	134.80



**CSR Models** are High Start Torque and include Relay, Start Capacitor and Run Capacitor.

## Tecumseh Rotary Compressors

The Tecumseh range of rotary compressors can be used as replacements in many types of air conditioning systems.



### PSC - Air Conditioning R407C

CODE	MODEL	DISP. C.C.*
IL470	RG5480W-FZ	11.50
IL471	RG5492W-FZ	12.74
IL472	RG5510W-FZ	11.50
IL473	RG5512W-FZ	16.10



\*When selecting an equivalent you must not compare the displacement of a rotary compressor with that of a reciprocating compressor.

## Tecumseh R290 Compressors

Next generation AE2/AJ2 high efficiency compressor from Tecumseh now available for R290.

### 1PH - LBP R290

CODE	MODEL	DISP. C.C.
I5000	AE2410U	5.48
I5005	AE2415U	8.85
I5008	AE2420U	10.96
I5012	CAJ2446U	26.20
I5015	CAJ2464U	34.50

### 1PH - HBP R290

CODE	MODEL	DISP. C.C.
I5020	AE4425U	5.02
I5022	AE4430U	6.12
I5024	AE4440U	8.02
I5028	AE4450U	10.33
I5030	AE4460U	12.01



## Tecumseh R134a/R1234yf

Next generation AE2/AJ2 high efficiency compressor from Tecumseh. Now available for R134a and R1234yf.

### 1PH - HBP R134a only or R134a/R1234yf

CODE	MODEL	DISP. C.C.
I5040	AE4430N (R134a/R1234yf)	8.02
I5042	AE4440N (R134a/R1234yf)	10.33
I5048	AJ4492N (R134a/R1234yf)	25.95
I5052	AJ4511N (R134a/R1234yf)	32.70
I5054	AJ4513N (R134a/R1234yf)	34.45



## Tecumseh/L'Unite Hermetique Compressor Spares

**Electric Kits for Old AE, CAE and AEZ Range**  
(excluding electrical box)

CODE	PART NO	TO SUIT
IS400	8655007	AE 1417Z
IS401	8655025	CAE 2420Z
IS402	8655022	AEZ4425Y
IS403	8655023	AEZ4430Y
IS404	8655028	CAE4440Y
IS405	8655073	CAE448Y
IS406	8655050	AE 5465/5470E
IS408	8655051	AJ 5510F
IS409	8655053	AJ 5512E
IS410	8655054	AJ 5513E/C
IS411	8655055	AJ 5515E
IS412	8655056	AJ 5518E
IS413	8655057	AJ 5519E
IS414	8655058	FH 5522F
IS415	8655154	FH 5524F
IS416	8655060	FH 5527C/5528F
IS417	8655079	FH 5532F

**Electric Kits for Old AE, CAE, AEZ & AJ Range**  
(Including electrical box)

CODE	PART NO	TO SUIT
IS420	8657114	CAE 2417Z
IS421	8657029	CAJ 2428Z
IS422	8657006	CAJ 2432Z
IS423	8657007	CAJ 2446Z
IS424	8657180	CAJ 2464Z
IS427	8657160	AEZ9440Z
IS428	8657112	CAE 9450Z
IS429	8657220	CAE 9460Z
IS430	8657085	CAE 9470Z
IS431	8657079	CAJ 9480Z
IS432	8657082	CAJ 9510Z
IS433	8657086	CAJ 9513Z
IS434	8657084	CAJ 4517Z
IS435	8657094	CAJ 4519Z
IS438	8657030	CAJ 4452Y
IS439	8657025	CAJ 4461Y
IS440	8657096	CAJ 4476Y
IS441	8657201	CAJ 4492Y
IS442	8657002	CAJ 4511Y

**Electric Kits for New AE<sup>2</sup> Range**  
(excluding electrical box)

CODE	PART NO	SUITS MODELS*
IS470	8655331	AE4425Y FZ
IS472	8655321	AE4430Y FZ
IS474	8655322	AE4440Y FZ
IS476	8655327	AE4450Y FZ
IS478	8655326	AE4456Y FZ
IS480	8655332	AE4460Y FZ
IS485	8655325	AE4425Z FZ
IS487	8655328	AE4430Z FZ
IS489	8655324	AE4440Z FZ
IS490	8655333	AE4450Z FZ
IS492	8655323	AE4460Z FZ

**Electric Kits for New AE<sup>2</sup> Range** (Continued)  
(excluding electrical box)

CODE	PART NO	SUITS MODELS*
IS500	8655341	AE4470Z FZ
IS502	8655337	AE2410Z FZ
IS504	8655329	AE2415Z FZ
IS506	8655339	AE2420Z FZ
IS508	8655342	AE2425Z FZ
IS512	8655357	AE2410U FZ
IS514	8655330	AE2415U FZ
IS516	8655345	AE2420U FZ
IS518	8655343	AE4425U FZ
IS520	8655334	AE4430U FZ
IS523	8655335	AE4440U FZ
IS525	8655336	AE4450U FZ
IS528	8655347	AE4460U FZ

\*For New AE2 Compressors made or assembled in France

**TE-Connect & Junior Electrical Box for NEW AJ<sup>2</sup> Range**

CODE	PART NO	SUITS MODELS
IS535	8657278	CAJ2428Z
IS537	8657272	CAJ2432Z
IS540	8657279	CAJ2440Z
IS542	8657266	CAJ2446Z
IS544	8657267	CAJ2464Z
IS548	8657264	CAJ4517Z
IS550	8657265	CAJ4519Z
IS553	8657277	CAJ9480Z
IS556	8657276	CAJ9510Z
IS558	8657274	CAJ9513Z
IS562	8657358	CAJ4452Y
IS564	8657359	CAJ4461Y
IS568	8657357	CAJ4476Y
IS570	8657345	CAJ4492Y
IS573	8657263	CAJ4511Y
IS575	8657275	CAJ4513Y

**Electric Kits for FH Range**  
(excluding electrical box)

CODE	PART NO	SUITS MODELS
IS580	8655234	FH4522Z
IS582	8655235	FH4524Z
IS584	8655151	FH4531Z
IS586	8655232	FH4540Z
IS590	8655230	FH2480Z
IS593	8655231	FH2511Z
IS596	8655233	FH4518Y
IS598	8655236	FH4525Y

**Electric Kits for FH Range.**  
(including electrical box)

CODE	PART NO	SUITS MODELS
IS425	8657097	FH 2480Z
IS426	8657153	FH 2511Z
IS445	8657119	FH4522Z
IS436	8657117	FH 4524Z
IS437	8657093	FH 4531Z
IS443	8657100	FH4518Y
IS444	8657103	FH4525Y/4524Z



# Tecumseh/L'Unite Hermetique Compressor Spares

## Electric Kits for New FH Range.

(including electrical box)

CODE	PART NO	SUITS MODELS
<b>IS600</b>	8657406	FH4518Y-XC / FH4252Y-XC / FH4522Z-XC / FH4524Z-XC
<b>IS601</b>	8657398	FH2480Z-XC
<b>IS602</b>	8657943	FH2511Z-XC
<b>IS603</b>	8657402	FH4532Z-XC
<b>IS604</b>	8657403	FH4538Z-XC

## Suction Rotolock Valves

CODE	PART NO	SIZE	ROTOLOCK VALVES TO SUIT L'UNITE MODELS
<b>IS450</b>	8683049	(1"-14) 1/2"	CAJ2428Z, CAJ2432Z, CAJ2446Z, CAJ9480Z, CAJ4452Y, CAJ4461Y, CAJ4476Y, CAJ4492Y.
<b>IS451</b>	8683059	(1"-14) 5/8"	CAJ2464Z, CAJ9510Z, CAJ9513Z, CAJ4517Z, CAJ4519Z, TAJ9513Z, TAJ4517Z, TAJ4519Z, CAJ4511Y, TAJ4511Y.
<b>IS452</b>	8683013	(1-1/4"-12) 5/8"	FH2480Z, FH2511Z, TFH2480Z, TFH2511Z, FH4524Z, TFH4524Z, FH4518Y, FH4525Y, TFH4518Y, TFH4525Y.
<b>IS454</b>	8683014	(1-1/4"-12) 7/8"	FH4531Z, FH4540Z, TFH4531Z, TFH4540Z, TAG2516Z, TAG4546Z, TAG4553Z.
<b>IS455</b>	8683140	(1-1/4"-12) 1-1/8"	TAG2522Z, TAG4561Z, TAG4568Z, TAG4573Z.

## Discharge Rotolock Valves

CODE	PART NO	SIZE	ROTOLOCK VALVES TO SUIT L'UNITE MODELS
<b>IS450</b>	8683049	(1"-14) 1/2"	FH2480Z, FH2511Z, TFH2480Z, TFH2511Z, FH4524Z, TFH4524Z, FH4518Y, FH4525Y, TFH4518Y, TFH4525Y, FH4531Z, FH4540Z, TFH4531Z, TFH4540Z.
<b>IS452</b>	8683013	(1-1/4"-12) 5/8"	TAG2513Z, TAG2516Z, TAG4546Z, TAG4553Z, TAG2522Z, TAG4561Z, TAG4568Z, TAG4573Z.

## Rotolock Valve P.T.F.E Gaskets

CODE	PART NO	SIZE	DESCRIPTION
<b>IS458</b>	8361007	1" - 14	White PTFE Rotolock Valve Gasket
<b>IS459</b>	8361006	1-1/4" - 12	White PTFE Rotolock Valve Gasket
<b>IS460</b>	8361023	1-3/4" - 12	White PTFE Rotolock Valve Gasket



## Cubigel Compressors

Cubigel Compressors® are manufactured in Barcelona by Huayi Compressor Barcelona, S.L. part of Huayi Compressor Co. Ltd, and specialises in designing, manufacturing and selling hermetic compressors and condensing units for the light commercial refrigeration market.

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compressors

### Refrigerant R134a LBP - LST

CODE	MODEL	CONN.	APPROX HP	DISP. C.C.
I320	GL45AA	Tube	1/5	4.60
I341	GL80AA	Tube	1/5	8.10
I342	GL90AA	Tube	1/4	9.10



### Refrigerant R134a LBP - HST

CODE	MODEL	CONN.	APPROX HP	DISP. C.C.
I327	GP14FB	Tube	1/2	14.20
I335	GP16FB	Tube	1/2	16.20

### Refrigerant R134a HBP - LST

CODE	MODEL	CONN.	APPROX HP	DISP. C.C.
I316	GL60PB	Tube	1/5	5.70
I317	GL80PB	Tube	1/4	7.60
I318	GL90PB	Tube	1/4	8.90
I319	GP12PB	Tube	3/8	12.00

### Refrigerant R134a HBP - HST

CODE	MODEL	CONN.	APPROX HP	DISP. C.C.
I314	GD40MB-D	Tube	1/8	4.10
I3310	GU60TG	Tube	1/5	5.70
I3250	GE70TG	Tube	1/4	7.60
I328	GP12TB	Tube	3/8	12.00
I329	GPY12RAa	Tube	3/8	14.20
I611	GP16TB	Tube	1/2	16.20
I330	GX18TB	Tube	5/8	18.40
I333	GX21TB	Tube	5/8	20.70
I340	GX23TB	Tube	2/3	23.20
I348	GS26TB-T	Tube	3/4	25.90
I334	GS26TB-V	Valve	3/4	25.90
I336	GS30TB-V	Valve	7/8	30.00
I338	GS34TB-V	Valve	1	34.40
I339	GS34TB-T	Tube	1	34.40



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## Cubigel Compressors

### Refrigerant R404A LBP - HST

CODE	MODEL	CONN.	APPROX HP	DISP. C.C.
I345	ML45FB	Tube	1/6	4.50
I343	ML80FB	Tube	1/4	8.10
I344	ML90FB	Tube	1/3	9.80
I346	MLY12LAA	Tube	3/8	10.70
I347	MP14FB	Tube	1/2	14.00
I619	MPT14LA	Tube	1/2	14.00
I349	MX18FBa	Tube	5/8	18.00
I351	MX21FBa	Tube	2/3	21.00
I620	MX23FBa	Tube	2/3	23.00
I353	MS26FB-V	Valve	3/4	26.00
I618	MS34FB-T	Tube	1	34.00
I355	MS34FB-V	Valve	1	34.00

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### Refrigerant R404A H/MBP - HST

CODE	MODEL	CONN	APPROX HP	DISP. C.C.
I359	ML45TB	Tube	1/5	4.50
I360	ML60TB	Tube	1/4	5.70
I361	ML80TB	Tube	3/8	7.60
I362	ML90TB	Tube	3/8	8.80
I363	MPT12RA	Tube	1/2	10.70
I364	MPT14RA	Tube	5/8	14.30
I357	MX18TBa	Tube	3/4	18.00
I337	MX21TBa	Tube	7/8	21.00
I616	MS22TB-V	Valve	1	21.80
I367	MS26TB-V	Valve	1	26.00
I365	MS26TB-T	Tube	1	26.00
I366	MS34TB-T	Tube	1-5/8	34.00
I358	MS34TB-V	Valve	1-5/8	34.00

## Hitachi Horizontal Scroll Compressors

Compact & lightweight horizontal scroll compressor designed for the refrigeration sector offering low noise and vibration and reliability that you come to expect from Hitachi.

# HITACHI

### Refrigerant R404A LBP/MBP/HBP - LST (1 Phase)

CODE	MODEL	CONNECTIONS	APPROX HP
I147	ZS7516S1	Brazed Stub	1
I140	ZS1120S1	Brazed Stub	1-1/2



### Refrigerant R404A LBP/MBP/HBP - HST (1 Phase)

CODE	MODEL	CONNECTIONS	APPROX HP
I130	DS1836S1	Brazed Stub	2-1/2



## SECOP Compressors

Secop is the expert for advanced hermetic compressor technologies and cooling solutions in commercial refrigeration. We develop high performance stationary and mobile cooling solutions for leading international commercial refrigeration businesses.

# SECOP

### LST - LBP R134a

CODE	MODEL	APPROX HP	DISP. C.C.
I223	TL-5FK	1/6	5.08
I224	NL-6FK	1/5	6.13
I225	NL-7FK	1/5	7.27
I226	NL-9FK	1/4	8.35
I227	NL-11FK	1/4	11.15



### HST - LBP R134a

CODE	MODEL	APPROX HP	DISP. C.C.
I228	TL-5FX	1/6	5.08
I229	NL-6FX	1/5	6.13
I230	NL-7FX	1/6	7.27
I231	NL-9FX	1/5	8.35
I232	NL-11FX	1/4	11.15
I233	SC-15FX	1/3	15.28
I234	SC-18FX	2/5	17.69
I235	SC-21FX	1/2	20.95



### HST - MBP R134a

CODE	MODEL	APPROX HP	DISP. C.C.
I267	GS-26MFX	3/4	26.00
I268	GS-34MFX	1	34.00

### HST - HBP R134a

CODE	MODEL	APPROX HP	DISP. C.C.
I254	GS-26GHX	3/4	26.00



### HST - L/M/HBP R134a

CODE	MODEL	APPROX HP	DISP. C.C.
I238	TL-5GX	1/8	5.08
I239	FR-7.5GX	1/6	6.93
I240	FR-8.5GX	1/5	7.95
I241	FR-10GX	1/4	9.05
I242	FR-11GX	1/4	11.15
I243	SC-12GX	1/3	12.87
I244	SC-15GX	1/3	15.28
I245	SC-18GX	2/5	17.69
I246	SC-21GX	1/2	20.95

### HST - LBP R404a

CODE	MODEL	APPROX HP	DISP. C.C.
I256	FR-6CLX	1/3	6.23
I257	FR-8.5CLX	3/8	7.95
I258	SC-10CLX	2/5	10.29
I259	SC-12CLX	1/2	12.87
I260	SC-15CLX	2/3	15.28
I261	SC-18CLX	2/3	17.69
I265	SC-21CLX	3/4	20.95
I255	GS-26CLX	1	26.00
I266	GS-34CLX	1-1/2	34.00



HST - High Start Torque.

LST - Low Start Torque.

## HST - MBP R404A

CODE	MODEL	APPROX HP	DISP. C.C.
I269	GS21-MLX	7/8	21.00
I270	GS26-MLX	1	26.00
I271	GS34-MLX	1-1/2	34.00

## HST - HBP R404A

CODE	MODEL	APPROX HP	DISP. C.C.
I262	SC-10DLX	1/2	10.30
I263	SC-12DLX	2/3	12.90
I264	SC-15DLX	3/4	15.30



## SECOP & Danfoss Compressor Electric Spares

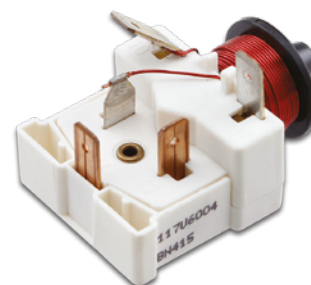
### LST Relays

CODE	MODEL	TO SUIT
I275	103N 0011	PL-TL-NL-FR-SC



### HST Relays

CODE	MODEL	TO SUIT
I276	117U 6009	TL 3B-4A-4F
I277	117U 6004	TL 4B 5A-5G-5F/6F/FR7.5A
I278	117U 6000	NL7F/FR8.5A-6B
I279	117U 6001	NL9F/FR10A-7.5B-7.5G
I280	117U 6015	FR8.5B-8.5G
I281	117U 6010	FR10B-10G-11B-11G
I282	117U 6016	NL11F/FR11A
I283	117U 6002	SC12A-10B
I284	117U 6003	SC15A-12B-12G
I285	117U 6005	SC18A-15B-15G
I286	117U 6011	SC21A-18B
I287	117U 6019	SC18G-15CL-12DL



### Starting Kits

CODE	MODEL	TO SUIT
I288	117U 7011	SC15DL
I289	117U 7012 117U 7027	SC18CL
I290	117U 7028	SC21G



### Capacitors

CODE	MODEL	TO SUIT
I291	117U 5014	TL
I292	117U 5015	NL-FR
I293	117U 5017	SC



# Embraco Compressors

EMBRACO is a company specialised in cooling solutions and world leader in the hermetic compressor market.

## Refrigerant R134a Evaporating Range (-35/-10 Deg.C)

CODE	MODEL	APPROX HP	DISP. C.C.
I393	EMIE30HER	1/12	3.01
I394	EMT-36HLP	1/8	3.97



## Refrigerant R134a Evaporating Range (-35/+15 Deg.C)

CODE	MODEL	APPROX HP	DISP. C.C.
I038	EM30HHR	1/12	3.01
I039	EM45HHR	1/10	3.77
I040	EM55HHR	1/8	4.60



## Refrigerant R134a Evaporating Range (-35/+15 Deg.C)

CODE	MODEL	APPROX HP	DISP. C.C.
I052	EGAS 80	1/5	6.36
I054	EGAS 100	1/3	7.95
I050	FFI12HBK	1/3	11.14



## Refrigerant R134a LBP 1PH LST

CODE	MODEL	APPROX HP	DISP. C.C.
I630	NE1130Z	1/3	12.11

## Refrigerant R134a LBP 1PH HST

CODE	MODEL	APPROX HP	DISP. C.C.
I621	NE1121Z	1/4	9.26
I644	NE2130Z	1/3	12.11



## Refrigerant R134a HBP 1PH HST

CODE	MODEL	APPROX HP	DISP. C.C.
I088	EMT6160Z	1/3	7.99
I639	EMT6170Z	1/3	7.69
I641	NEK6187Z	1/3	10.00
I645	NEK6210Z	1/2	12.11
I384	NEK6214Z	1/2	16.80
I385	NT6215Z	1/2	20.40
I378	NJ6220Z	1	26.11
I379	NJ6226Z	1	34.40

All the above compressors have tube connections.

# embraco

POWER IN.  
CHANGE ON.

## Embraco Compressors

EMBRACO is a company specialised in cooling solutions and world leader in the hermetic compressor market.

### Refrigerant R404A LBP 1PH HST

CODE	MODEL	CONN.	APPROX HP	DISP. C.C.
I632	NEK2134GK	Tube	1/2	8.77
I386	NEK2168GK	Tube	3/4	14.28
I380	NT2178GK	Tube	1	17.39
I387	NT2180GK	Tube	1	22.37
I381	NJ2192GK	Tube	1	26.20
I399	NJ2192GK	Valve	1-1/4	26.11
I388	NJ2212GK	Tube	1-1/2	34.38

### Refrigerant R404A HBP/MBP 1PH HST

CODE	MODEL	CONN.	APPROX HP	DISP. C.C.
I638	EMT6144GK	Tube	1/4	3.97
I640	NEK6181GK	Tube	1/3	7.28
I642	NEK6210GK	Tube	1/2	8.77
I650	NEK6213GK	Tube	1/2	12.11
I636	NEK6217GK	Tube	3/4	14.28
I643	NT6217GK	Tube	5/8	12.55
I389	NT6220GK	Tube	3/4	14.50
I313	T6222GK	Tube	1	17.39
I390	NJ9226GK	Valve	1-1/4	26.11
I646	NT6226GK	Tube	1	22.40
I391	NJ9232GK	Valve	1-1/4	26.11
I392	NJ9238GK	Valve	1-1/2	32.67
I370	NJ9238GK	Tube	1-1/2	32.67

**embraco** POWER IN.  
CHANGE ON.



## Embraco Spare Parts

See below for a wide range of spare parts for Embraco and some of the older most popular Aspera compressors.

CODE	TYPE	TO SUIT
I055	Terminal Box	EM/FG
I057	Evaporation Tray	EM
I075	Capacitor	PW/FF
I095	Start Capacitor EGAS Comps	70/80/90/100
I096	Relay and Capacitor EGAS Comps	70/80/90
I097	Relay and Capacitor EGAS Comps	100
I082	PTC Relay	BP1058Z/BP1084Z
I083	Overload	BP1084Z
IS316	Electrics	J9238E
IS318	Electrics	NE6187Z
IS310	Electrics	NJ2192K/NJ2192GK
IS312	Electrics	NJ2212K/NJ2212GK
IS314	Electrics	J9232E/J9232GK
IS320	Electrics	T2178GK
IS322	Electrics	T2180GK



**embraco**

POWER IN.  
CHANGE ON.

## Copeland Scroll Compressors

The following models are all charged with **Ester Oil**.  
Other compressor models are available.

### 1PH - Medium/High Temperature

CODE	MODEL	APPROX. HP
I940	ZR18KE-PFJ	1-1/2
I941	ZR22KE-PFJ	1-3/4
I945	ZR28KE-PFJ	2-1/2
I946	ZR34KE-PFJ	3
I947	ZR40KE-PFJ	3-1/2
I948	ZR48KE-PFJ	4
I951	ZR61KE-PFJ	5
I920	ZB15KE-PFJ	2
I942	ZB19KE-PFJ	2-1/2
I943	ZB21KE-PFJ	3
I944	ZB26KE-PFJ	3-1/2

### 3PH - Medium/High Temperature

CODE	MODEL	APPROX. HP
I953	ZR22KE-TFD	1-3/4
I955	ZR28KE-TFD	2-1/2
I957	ZR34KE-TFD	3
I959	ZR40KE-TFD	3-1/2
I965	ZR48KE-TFD	4
I967	ZR61KE-TFD	5
I969	ZR72KE-TFD	6
I971	ZR81KE-TFD	6-1/2
I925	ZR90KE-TWD	7-1/2
I926	ZR94KE-TFD	8
I982	ZR11ME-TWD	9
I983	ZR12ME-TWD	10
I984	ZR16ME-TWD	13
I949	ZB15KE-TFD	2
I950	ZB19KE-TFD	2-1/2
I952	ZB21KE-TFD	3
I954	ZB26KE-TFD	3-1/2
I956	ZB30KE-TFD	4
I958	ZB38KE-TFD	5
I960	ZB45KE-TFD	6
I938	ZB57KE-TWD	7-1/2
I962	ZB76KE-TFD	10
I963	ZB95KE-TFD	12

### 3PH - Low Temperature

CODE	MODEL	APPROX. HP
I966	ZF09KE-TFD	2-3/4
I968	ZF11KE-TFD	3-1/2
I970	ZF13KE-TFD	4
I972	ZF15KE-TFD	4-1/8
I974	ZF18KE-TFD	5-1/2
I976	ZF25KE-TWD	7-1/2
I978	ZF34KE-TWD	10-1/2
I979	ZF40KE-TWD	12-1/2
I980	ZF48KE-TWD	15

#### Application and Temperature Ranges:

Low Temperature: ZF: between +7 and -45°C (with liquid injection)

High Temperature: ZB: optimised for refrigeration applications between +10 and -30°C.

Air-conditioning scroll compressors ZR are suitable for use in high and medium temperature air-conditioning and process cooling applications with evaporating temperatures ranging from +12.5 to -20°C.

## Copeland Scroll™



**Copeland™**  
brand products



## Copeland Summit Scroll Compressors

The following models are all charged with **Ester Oil**.  
Other compressor models are available.

### 3PH - Medium/High Temperature

CODE	MODEL	APPROX. HP
I932	ZB66KCE-TFD	9
I962	ZB76KCE-TFD	10
I963	ZB95KCE-TFD	13
I935	ZB114KCE-TFD	15

### 3PH - Low Temperature

CODE	MODEL	APPROX. HP
I1000	ZF25K6E-TFD	7-1/2
I1002	ZF34K6E-TFD	9
I1004	ZF41K6E-TFD	10
I1006	ZF49K6E-TFD	13

## Copeland Scroll™



## Copeland Digital Scroll Compressors

The following models are all charged with **Ester Oil**.  
Other compressor models are available.

### 3PH - Medium/High Temperature

CODE	MODEL	APPROX. HP
I1020	ZBD29KCE-TFD	4
I1022	ZBD38KCE-TFD	5
I1024	ZBD45KCE-TFD	6
I1026	ZBD57KCE-TFD	7-1/2
I1028	ZBD76KCE-TFD	10



## Copeland ZF EVI Scroll Compressors with Vapour Injection

The following models are all charged with **Ester Oil**.  
Other compressor models are available.

### 3PH - Low Temperature

CODE	MODEL	APPROX. HP
I1050	ZF13KVE-TFD-EVI	4
I1052	ZF18KVE-TFD-EVI	6
I1054	ZF24KVE-TFD-EVI	7-1/2
I1056	ZF33KVE-TFD-EVI	10
I1058	ZF40KVE-TFD-EVI	13
I1060	ZF48KVE-TFD-EVI	15



# Copeland™

brand products

## Run Capacitors

Genuine Copeland Run Capacitors, to suit single phase compressors as listed in table below.

CODE	TO SUIT	µF
I1510	ZR18	30
I1511	ZR22, ZB15	40
I1512	ZR28, ZB19	45
I1513	ZR34, ZB21	50
I1514	ZR40	55
I1515	ZR48, ZB26	60



## Start Capacitors

Genuine Copeland Start Capacitor, to suit single phase compressors as listed in table below.

CODE	TO SUIT
I1530	ZR18, ZR22, ZR28, ZR34, ZR40 & ZR48 ZB15, ZB19, ZB21 & ZB26



## Potential Start Relay

Genuine Copeland Potential Starting Relay, to suit single phase compressors as listed in table below.

CODE	TO SUIT
I1505	ZR18, ZR22, ZR28, ZR34, ZR40, ZR48, ZB15, ZB19, ZB21 and ZB26



## Rotolock Valves

Pair genuine Copeland Rotolock Valves  
Suction (1-1/4" - 12) 7/8"  
Discharge (1" - 14) 5/8"

CODE	TO SUIT
IS982	ZB15 - ZB45, ZF06 - ZF18, ZR18 - ZR72



## Rotolock Valve Adapter Kit

Converts a brazed stub compressor to use with rotolock valves.  
(Pair of white rotolock valve gaskets included).

CODE	TO SUIT
IS984	ZR18 to ZR61



## Universal Crankcase Heater

Easy to use wraparound 65 watt crankcase heater with velcro fixing strap 65W x 950 Long (Fits around a 300mm Maximum Diameter)

CODE	MODEL
I540	CH-1 Crankcase Heater 65W x 950 Long



# Copeland Bill of Material Codes

CODE	OPTION A	OPTION B	OPTION C
230	Tubes		
232	Rotolock Valve		
250	Tubes	Oil Sight Glass	
251	Tubes	Oil Sight Glass	Capillary Liquid Injection
265	Rotolock Valve	Oil Sight Glass	
422	Tubes	Oil Sight Glass	Tandem Ready
425	Tubes	Oil Sight Glass	Tandem Ready
501	Tubes		
511	Tubes		
512	Tubes		3 Mounting Feet
522	Tubes		
523	Rotolock Valve		
524	Tubes		
532	Tubes		
540	Rotolock Valve	Oil Sight Glass	Tandem Ready 24V Control Circuit
542	Tubes		Tandem Ready 24V Control Circuit
550	Tubes	Oil Sight Glass	
551	Rotolock Valve	Oil Sight Glass	120/240V Control Circuit
552	Tubes		
556	Rotolock Valve	Oil Sight Glass	DTC Valve
557	Rotolock Valve	Oil Sight Glass	240V Control Circuit
561	Rotolock Valve		24V Control Circuit
568	Tubes		24V Control Circuit
570	Rotolock Valve	Oil Sight Glass	Tandem Ready 120/240V Control Circuit
572	Tubes		Tandem Ready 120/240V Control Circuit
599	Tubes		
961	Rotolock Valve	Oil Sight Glass	110/230V & 24V Control Circuit, Includes Rotolock to Tube adaptors

**Copeland™**  
brand products

**COPELAND®**  
**COMPRESSOR SPARES**

From  
**FSW**  
Where you need us  
When you need us

The image displays several electrical components: a black capacitor with a warning label, a silver cylindrical capacitor with 'DUCATI energia' and '50 µF' markings, another silver capacitor with 'GSC' and '30.0µF' markings, a black cylindrical capacitor, and a white plastic electrical terminal block.

## Maneurop Compressors

Maneurop® MTZ series compressors are of the hermetic reciprocating type and are designed for medium and high evaporating temperature applications. Available in a wide variety of single and tandem models for refrigerants R134a, R404A, R407A & R407F.

### 1PH - R134a/R404A/R407C/R407A/R407F

CODE	MODEL	APPROX HP	DISP. C.C.
I675	MTZ18-5VI	1-1/2	30
I676	MTZ22-5VI	1-3/4	38
I677	MTZ28-5VI	2	48
I678	MTZ32-5VI	2-3/4	53
I679	MTZ36-5VI	3	60

Single phase compressors are supplied WITHOUT electrics.  
All Maneurop compressors are supplied without valves  
(Please order separately).



**Maneurop**<sup>®</sup>  
RECIPROCATING COMPRESSORS

### 3PH - R134a/R404A/R407C/R407A/R407F

CODE	MODEL	APPROX HP	DISP. C.C.
I681	MTZ18-4VI	1-1/2	30
I682	MTZ22-4VI	1-3/4	38
I683	MTZ28-4VI	2	48
I684	MTZ32-4VI	2-3/4	53
I685	MTZ36-4VI	3	60
I686	MTZ40-4VI	3-1/2	67
I687	MTZ44-4VI	3-3/4	76
I688	MTZ50-4VI	4	85
I689	MTZ56-4ER	4-1/2	96
I690	MTZ64-4VI	5	107
I691	MTZ72-4ER	6	121
I692	MTZ80-4VI	6-1/2	135
I693	MTZ100-4VI	8-1/2	171
I694	MTZ125-4ER	10	215
I695	MTZ144-4VI	11-1/2	242
I696	MTZ160-4VI	13	271

Maneurop tandem compressors and condensing units are available to order.



# Maneurop Compressor Spare Parts

## Maneurop CSR Electric Kit

A complete set of genuine Maneurop compressor electrics to suit models as shown in table below.

### CSR Electric Kit

CODE	PART NO	TO SUIT MODEL
I710	CSR-2/631	18, 22 and 28
I711	CSR-2/633	32 and 36



## Crankcase Heater & Heat Transfer Paste

A PTC crankcase heater is recommended on all Maneurop compressors.

PTC crankcase heaters are self-regulating.

CODE	PART NO	TO SUIT MODEL
I714	30 Watt Heater	All Models
I715	Heat Transfer Paste	



## Maneurop Mineral or Ester Oils

Genuine Maneurop Mineral Oil available in 2 litre container for MT Models and genuine Maneurop Ester Oils available in 2.5 litre container for MTE/Z model compressors.

CODE	PART NO	TO SUIT MODEL
I718	2.0 L Mineral Oil 160P	MT Models
I719	2.5 L Ester Oil 160PZ	MTE/Z Models
M072	2.0 L Ester Oil 160SZ	(NOT MLZ) LTZ, NTZ Models



## Maneurop Rotolock Valves

Rotolock valves to suit models as listed below.

**Please Note:** PTFE Gaskets are not included.

CODE	PART NO	TO SUIT MODEL
I722	3/8 Discharge	18 to 28
I723	1/2 Suction	18 to 40
I726	5/8 Suction	32 to 40
I728	3/4 Discharge	44 to 80
I729	7/8 Suction	44 to 80
I731	7/8 Discharge	100 to 160
I732	1-1/8 Suction	100 to 160



## Maneurop Rotolock Gasket Sets

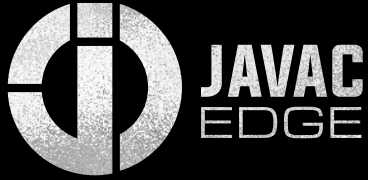
Assorted multi-pack of Maneurop gaskets.

1 x 1", 1 x 1-1/4", and 1 x 1-3/4" white rotolock gaskets plus 1 x oil sight glass gasket (black).

All 1-2-4 cylinder models; all VTZ models; MFZ166, LFZ166.

CODE	PART NO	DESCRIPTION
I735	8156009	1 x 1", 1 x 1-1/4" & 1 x 1-3/4" White Rotolock Gaskets. Plus 1 x Black Sight glass Gasket





# A3 is here!

- 377 kg\* liquid per hour
- Up to 12%\* faster recovery times.

**THE VELO-X IS DRIVING CHANGE.**



# ...order now and be ready!

Description	Part No.
Velo-X Twin Cylinder Recovery Unit	JAV-1424



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01543 437 010