

CARLYLE SEMI-HERMETIC COMPRESSORS/ACCESSORIES

SUCTION CUTOFF UNLOADING VS HOT GAS BYPASS UNLOADING

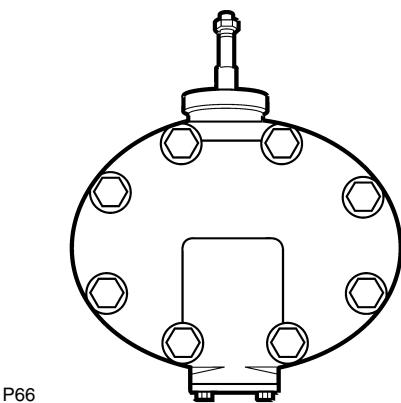
Since 1981 many of the Commercial Products Carrier produced with 06E compressors utilized "Suction Cutoff Unloading" in place of Hot Gas Bypass Unloading.

It is easy to identify a suction cutoff unloading compressor from a hot gas bypass unloading compressor. This can be done in one of two ways:

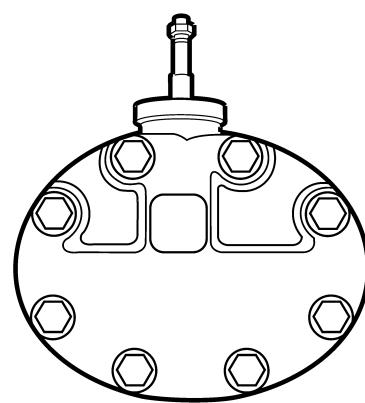
#1) The Finished Goods (new) compressor model number is different than the hot gas bypass model number.

SUCTION CUTOFF				HOT GAS BYPASS			
06E	2	275	660	06E	B	275	660
compressor family		compressor size	voltage	compressor family		compressor size	voltage
2 - one electric unloader 3 - two electric unloaders 4 - one pressure unloader 5 - two pressure unloaders				B - one electric unloader C - two electric unloaders D - one pressure unloader E - two pressure unloaders			
6 - one electric unloader 7 - two electric unloaders 8 - one pressure unloader 9 - two pressure unloaders				J - one electric unloader K - two electric unloaders L - one pressure unloader N - two pressure unloaders			
Reversed Center Head (6 cylinder)				Reversed Center Head (6 cylinder)			

#2) The unloading heads themselves physically look different.



Suction Cutoff



Hot Gas Bypass

The parts used in Hot Gas Bypass are different from those used in Suction Cutoff Unloading. These differences are:

PART NUMBERS

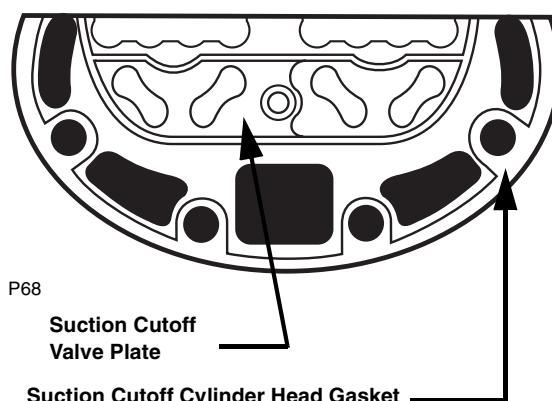
	HOT GAS BYPASS	SUCTION CUTOFF
Valve Plate Package	06EA660105	06EA660137
Cylinder Head Gasket	06EA503314	06EA503334
Cylinder Head	-	06EA503524

The valve plate gasket for both Hot Gas Bypass and Suction Cutoff is 06EA504884.

Both hot gas bypass and suction cutoff use the same Control Valve Packages:

Pressure Control Valve P/N	06EA660100
Electric Control Valve P/N	06EA660135

These control valves are similar to those you used in the past except that the bypass piston is now separate from the valve and the pressure control valve has had internal modifications that allow it to operate on suction cutoff applications.



Suction Cutoff Valve Plate

Suction Cutoff Cylinder Head Gasket

CARLYLE SEMI-HERMETIC COMPRESSORS/ACCESSORIES

06D SUCTION CUTOFF UNLOADING KITS

ELECTRIC CAPACITY CONTROL

MODIFICATION PACKAGE PART NO.: 06DA660089

The capacity control valve in this package is actuated by an electric sole-noid. The solenoid is either energized or de-energized by the action of an external controller. The solenoid coil is not supplied with this package.

This package can be used to (1) convert an 06D compressor with hot gas bypass unloading to electrically operated suction cutoff unloading, (2) add unloading or (3) add a second bank of unloading to an 06D compressor.

The kit consist of the following:

Cylinder Head Assembly (incl. capacity control valve)

Valve Plate Gasket

Cylinder Head Gasket

Cylinder Head Bolts

Instructions

Solenoid Coils for electric unloader valve.

PART NO.	VOLTAGE
EF19ZE024	24
EF19ZE120	120
EF19ZE240	208-240

PRESSURE CAPACITY CONTROL

MODIFICATION PACKAGE PART NO.: 06DA660090

NOT RECOMMENDED FOR REFRIGERATION APPLICATIONS

The capacity control valve in this package is controlled by suction pressure and actuated by discharge pressure.

This package can be used to (1) convert an 06D compressor with hot gas bypass unloading to suction cutoff unloading, (2) add unloading, or (3) add a second bank of unloading to an 06D compressor. The kit consists of the following:

Cylinder Head Assembly (incl. capacity control valve)

Valve Plate Gasket

Cylinder Head Gasket

Cylinder Head Bolts

Instructions

SUCTION CUTOFF UNLOADING

REPAIR KIT PART NO.: 06DA660111

This kit contains the parts used internally for the suction cutoff unloading head. It is used for both electric and pressure operated suction cutoff unloading applications. The kit **does not** contain the capacity control valve. The kit contains the following:

Piston and Ring

Valve Body

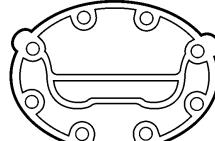
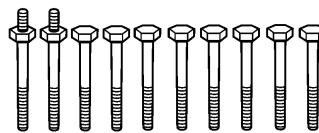
Spring

Capacity Control Valve Gasket

Cover Gasket

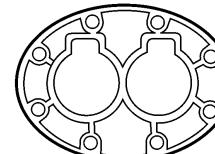
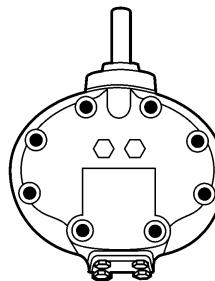
Strainer

Instructions



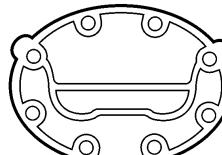
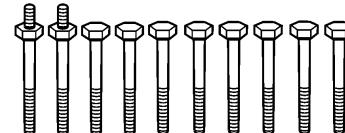
ELECTRICALLY
OPERATED

P/N: 06DA660089



P64

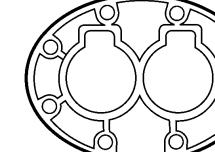
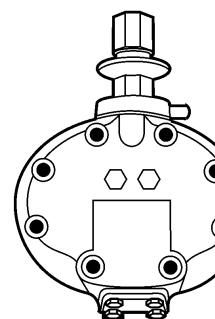
06DA660089



PRESSURE OPERATED

P/N: 06DA660090

(Not recommended for refrigeration application.)



P65

06DA660090

Suction cutoff unloading is the "state of the art" unloading method for the 06E/06D compressors. There are substantial energy savings and improved compressor reliability when a hot gas bypass unloading system is replaced with suction cutoff unloading.

CARLYLE SEMI-HERMETIC COMPRESSORS/ACCESSORIES

06E SUCTION CUTOFF UNLOADING KIT

ELECTRIC CAPACITY CONTROL

MODIFICATION PACKAGE PART NO.: 06EA660138

The capacity control valve in this package is actuated by an electric solenoid. The solenoid is either energized or de-energized by the action of an external controller. The solenoid coil is not supplied with this package.

This package can be used to (1) convert an 06E compressor with hot gas bypass unloading to electrically operated suction cutoff unloading, (2) add unloading, or (3) add a second bank of unloading to an 06E compressor.

The kit contains the following:

Cylinder Head Assembly (incl. capacity control valve)

Valve Plate Gaskets (AC & Ref.)

Suction Valves

Cylinder Head Gasket

Capscrews

Washers

Instructions

Solenoid coils for electric unloader valve:

PART NO	VOLTAGE
EF19ZE024	24
EF19ZE120	120
EF19ZE240	208-240

PRESSURE CAPACITY CONTROL

MODIFICATION PACKAGE PART NO.: 06EA660139

NOT RECOMMENDED FOR REFRIGERATION APPLICATIONS

The capacity control valve in this package is controlled by suction pressure and actuated by discharge pressure.

This package can be used to (1) convert an 06E compressor with hot gas bypass unloading to pressure operated suction cutoff unloading, (2) add unloading, or (3) add a second bank of unloading to an 06E compressor.

The kit contains the following:

Cylinder Head Assembly (incl. capacity control valve)

Valve Plate Gaskets (AC & Ref.)

Suction Valves

Cylinder Head Gasket

Capscrews

Washers

Wrench

Instructions

SUCTION CUTOFF UNLOADING

REPAIR KIT PART NO.: 06EA660079

This kit contains the parts used internally for the suction cutoff unloading head. It is used for both electric and pressure operated suction cutoff unloading applications.

The kit **does not** contain the capacity control valve. The kit contains the following:

Piston and Ring

Valve Body

Spring

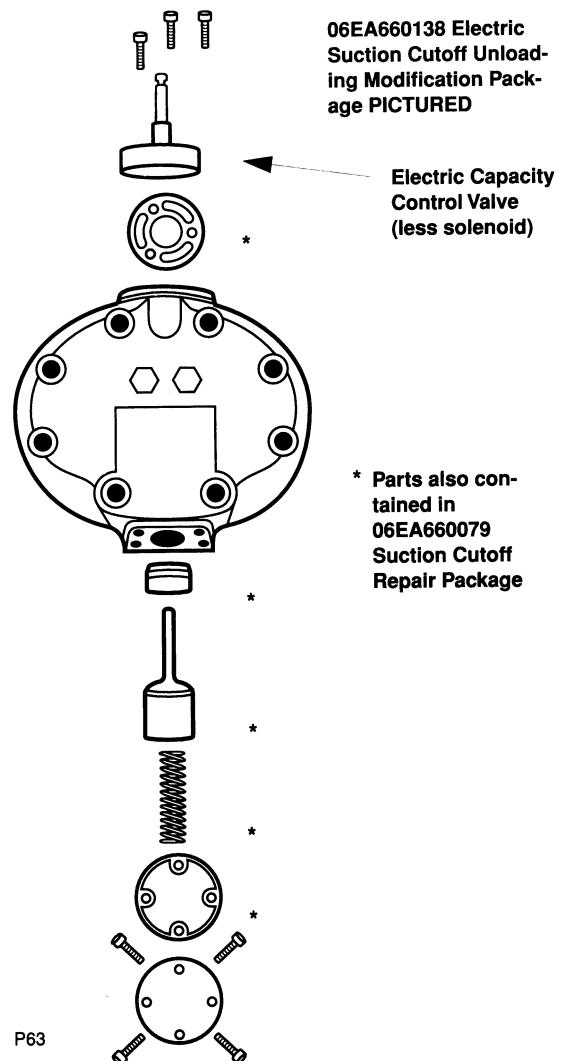
Capacity Control Valve Gasket

Cover Gasket

Strainer

Instructions

Suction cutoff unloading is the "state of the art" unloading method for the 06E/06D compressors. There are substantial energy savings and improved compressor reliability when a hot gas bypass unloading system is replaced with suction cutoff unloading.



CONTROL VALVE KITS

These kits contain the capacity control valve. The 06D and 06E compressors use the same capacity control valve. (The piston assembly is used with hot gas bypass unloading only.)

06EA660100 Pressure operated kit contains the following:

Pressure Operated Capacity Control Valve
Capacity Control Valve Gasket
Piston Assembly (for HGBP)
Wrench
Instructions

06EA660135 Electrically operated kit contains the following:

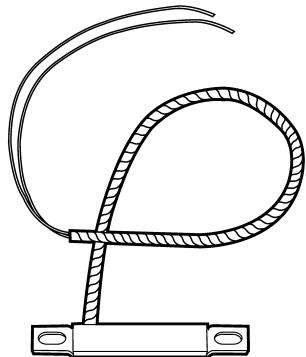
Electrically Operated Capacity Control Valve (Select appropriate solenoid coil: 24, 120, or 208-240V)
Capacity Control Valve Gasket
Piston Assembly (for HGBP)
Instructions

CARLYLE SEMI-HERMETIC COMPRESSORS/ACCESSORIES

CRANKCASE HEATERS

BAR/STRIP STYLE

06D, 2 CYL. AND 4 CYL. 8, 9, 13, 16 CFM MODELS

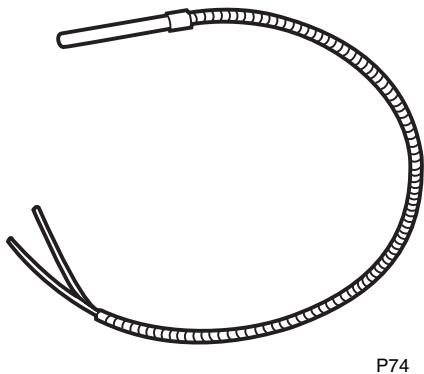


WATTS	VOLTS	LEAD LENGTH (in.)	CONDUIT LENGTH (in.)	P/N
50	115	39	24	06DA660091
50	230	39	24	06DA660092

Dimensions: 7 1/2" Long, 1" Wide, 1/2" Thick

CRANKCASE HEATERS

06D, 06E, 06CC, 06CY



- NEW STRAIGHT TUBE HEATER DESIGN
- KIT CONTAINS CRANKCASE HEATER, RETAINER CLIP AND ANTI-SHORT BUSHING, HEAT CONDUCTING GREASE (P/N: 38AQ680001)

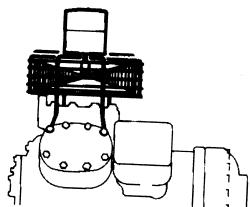
CRANKCASE HEATER PACKAGE	HEATER NUMBER	VOLTS	WATTS	CONDUIT LENGTH (in.)	WIRE LENGTH (in.)
06EA660165	HT36DM132	115	180	19"	24"
06EA660167	HT36DM134	115	180	52"	73"
06EA660166	HT36DM432	230	180	19"	24"
06EA660168	HT36DM434	230	180	52"	73"
06DA660076	HT36DL480	480	125	NONE	24"
06EA660107	HT36FL379	120	125	52"	73"
06EA660108	HT36FL479	240	125	52"	73"

CARLYLE SEMI-HERMETIC COMPRESSORS/ACCESSORIES

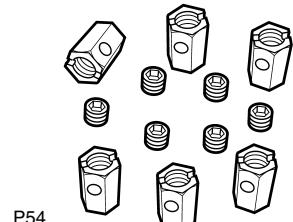
OPTIONAL ACCESSORIES - 06D AND 06E

CYLINDER HEAD COOLING FAN PACKAGE

	P/N	
06DR	06DR660014	208/230-1-60/1550 RPM
06EY	06ER660011	208/230-1-60/1550 RPM



06D TERMINAL LUG PACKAGE (6 TERMINAL LUGS AND SET SCREWS PER PKG.)



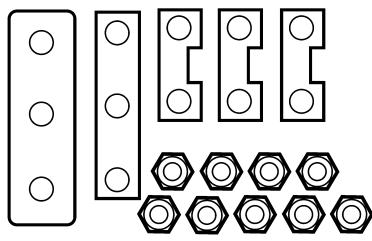
P54

P/N: 06DA660095

Terminal Lug Socket Tool

P/N: P920-0009

06E ACCESSORY ACROSS-THE-LINE JUMPER BAR KIT WITH JAM NUTS



P56

P/N: 06EA660141

06D Replacement Terminal Plate Kit

P/N: 06DA660-134

Replacement Gasket Only

P/N: 6 D 40 1061

06E TERMINAL LUGS



P55

P/N: HY85TB004, -008

NOTE: For some 200/230 volt **across the line** installations, the connection of 3 power wires to the compressor may not be possible because the wire diameter may be too large to fit the below listed lugs. In these instances we recommend that 6 motor leads and 6 terminal lugs be used to connect to the compressor terminal plate. The use of 6 leads (instead of 3) allows for a wire size reduction. Consult the National Electric Code or your local electric code for the appropriate wire sizing information.

FITS WIRE SIZE

#8 to #4

#4 to #1

P/N

HY85TB008 *

HY85TB004

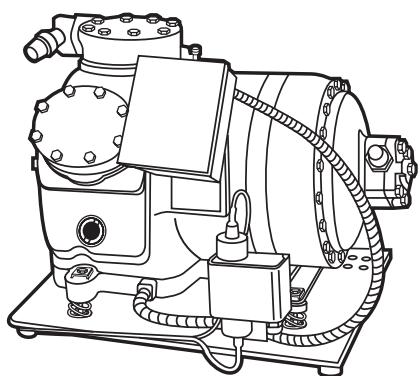
* 6 per package

06D SIGHT GLASS REMOVAL TOOL

P/N: T-1333

CARLYLE SEMI-HERMETIC COMPRESSORS/ACCESSORIES

06D TERMINAL BOX KITS

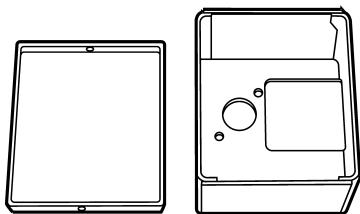


P69N

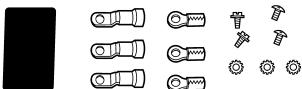
This kit consists of the terminal box and cover plus all screws, washers, and terminals.

P/N: 06DA660075

NOTE: Separate terminal lug package is available. Part No. 06DA660095 (contains 6 terminal lugs and set screws per pkg.)

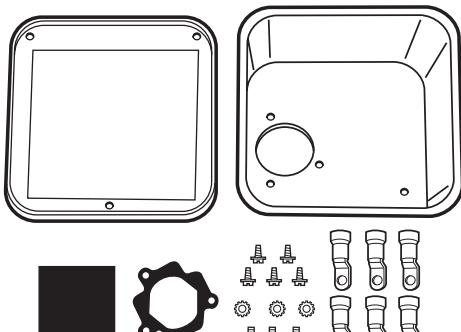


P70



06DA660075 can be used in place of 06DA660078 Terminal Box and Cover Package if overloads are to be used with the compressor. However, it may be necessary to field fabricate a mounting box spacer to allow the 06DA660075 box to mount on the compressor body without interfering with the Compressor Terminal Insulator.

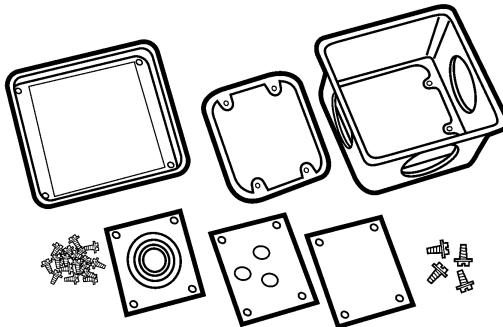
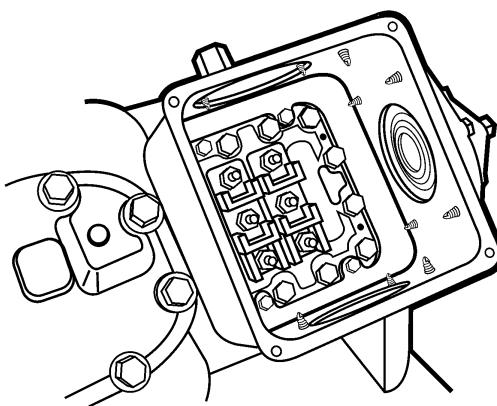
The 06DA660078 Terminal Box and Cover Package mounts directly to the Terminal Plate.



P71

P/N: 06DA660078

06E TERMINAL BOX KITS



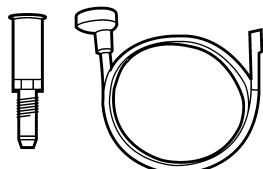
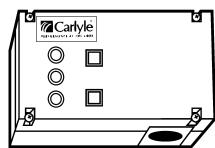
P72

This kit consists of the terminal box, cover, gasket and 3 cover plates (one blank, one with 3 knockouts, one with concentric knockouts). Screws are included.

P/N: 06EA660095

CARLYLE SEMI-HERMETIC COMPRESSORS/ACCESSORIES

06D, 06E ELECTRONIC LUBE OIL CONTROL



P57

- Solid State
- LED'S continuously display status of the compressor lubrication system.
- When control is connected to 06E bearing head or 6D68-952A (new 06D bearing head) external tubing is eliminated.
- Timing is not cumulative as in controls using a thermal timing circuit. Each time a low oil pressure condition is sensed the time delay will be of full duration.

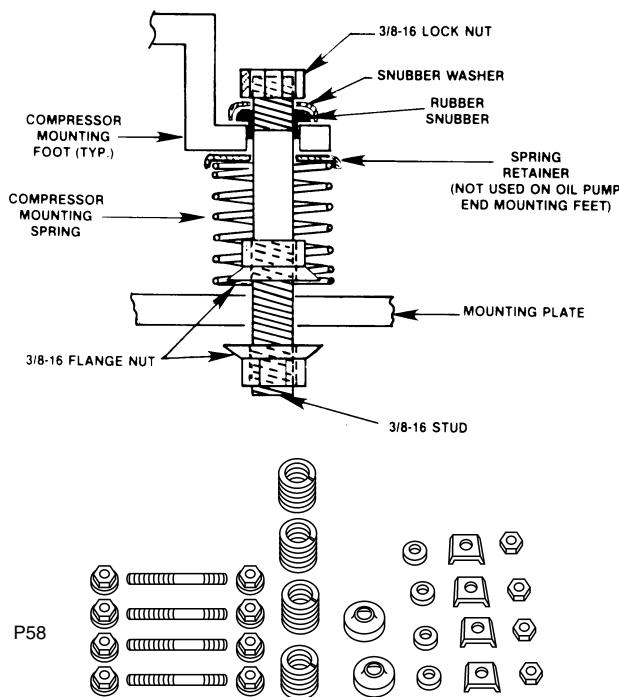
- Short cycle protection - select either 35, 65 or 100 second time delay periods to prevent rapid cycling (feature can also be bypassed)
- Manual Reset

P/N: 06DA660115

SPECIAL GASKET FOR TRANSDUCER & BEARING HEAD CONNECTION

P/N: 06DA680-063

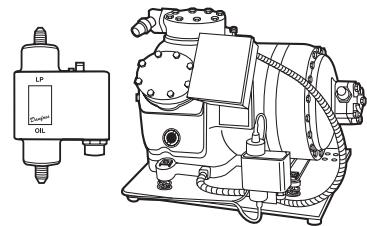
06D, 06E SUSPENSION KIT



P58

Suspension kit consists of mounting springs, studs, rubber snubbers, spring retainers, nuts and washers.

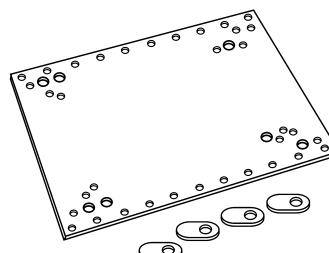
06D, 06E LUBE OIL CONTROL



P59N

P/N: 060B2008

06D, 06E COMPRESSOR MOUNTING PLATE KIT



P60

This universal mounting plate kit will accommodate any size 06D or 06E compressor offered by RCD. The kit includes the predrilled mounting plate, spacers and template.

P/N: 06EA660096

COMPRESSOR MODEL NO.	SUSPENSION KIT PART NO.	COMPRESSOR MODEL NO.	SUSPENSION KIT PART NO.
06ET150 250 265 175 275 299	06EA660089	06DR1096 0136 3166 7186 8206 7246 2286 3376	06DA660058 06DA660056 06DA660056 06DA660056 06DA660056 06DA660057 06DA660057 06DA660057
06EX150 250 166 266 265 175 275 199 299		06DM8086 3136 3166 8186 3376 5376 7246 8246	06DA660058 06DA660056 06DA660056 06DA660056 06DA660057 06DA660057 06DA660057 06DA660057
06EY150 166 175 099	06EA660089	06CC016 018 124	06DA660057 06DA660057 06DA660057
06EZ150 266 175 199		228 337 550 665	06DA660057 06DA660057 06EA660089 06EA660089
06DX8186 7246 8246 3286 3376 5376	06DA660056 06DA660057	675 899	06EA660089 06EA660089

CARLYLE SEMI-HERMETIC COMPRESSOR ACCESSORIES

SHIPPING PAD INFORMATION

MODEL	SUCTION VALVE BLANK OFF PAD	BOLTS	SUCTION VALVE PAD GASKET	DISCHARGE VALVE BLANK OFF PAD	BOLTS	DISCHARGE VALVE PAD GASKET
06DR						
109	06DA504283*	(2) AA06GR199	6D23-1421	06DA504283*	(2) AA06GR199	6D23-1421
013, 316	06DA504253*	(2) AA06GR202	6D40-1131	06DA504243*	(2) AA06GR202	6D23-1421
718, 820	06DA502573*	(4) AA06GR293	6D68-1131	06DA504243*	(2) AA06GR202	6D23-1421
724, 228, 337	06DA502573*	(4) AA06GR293	6D68-1131	06DA504253*	(2) AA06GR202	6D40-1131
06DM						
808	06DA504283*	(2) AA06GR199	6D23-1421	06DA504283*	(2) AA06GR199	6D23-1421
313, 316, 818	06DA504253*	(2) AA06GR202	6D40-1131	06DA504243*	(2) AA06GR202	6D23-1421
724, 824						
2 BOLT SUC. VAL.	06DA504253*	(2) AA06GR202	6D40-1131	06DA504243*	(2) AA06GR202	6D40-1421
4 BOLT SUC. VAL.	06EA502573*	(4) AA06GR293	6D68-1131	06DA504243*	(2) AA06GR202	6D40-1421
337, 537	06EA502573*	(4) AA06GR293	6D68-1131	06DA504253*	(2) AA06GR202	6D40-1421
06DX						
818	06DA504253*	(2) AA06GR202	6D40-1131	06DA504243*	(2) AA06GR202	6D23-1421
724, 824 W/:						
2 BOLT SUC. VAL.	06DA504253*	(2) AA06GR202	6D40-1131	06DA504243*	(2) AA06GR202	6D40-1131
4 BOLT SUC. VAL.	06EA502273*	(4) AA06GR293	6D68-1131	06DA504243*	(2) AA06GR202	6D40-1131
328, 337, 537	06EA502273*	(4) AA06GR293	6D68-1131	06DA504253*	(2) AA06GR202	6D40-1131
06DS						
313, 818	06DA504253*	(2) AA06GR202	6D40-1131	06DA504243*	(2) AA06GR202	6D23-1421
824	06EA502573*	(4) AA06GR293	6D68-1131	06DA504243*	(2) AA06GR202	6D40-1131
328, 537	06EA502573*	(4) AA06GR293	6D68-1131	06DA504253*	(2) AA06GR202	6D40-1131
06ET						
150, 250	06EA502573*	(4) AA06GR293	6D68-1131	06DA504253*	(2) AA06GR200	6D40-1131
265	06EA502573*	(4) AA06GR293	6D68-1131	06EA502573*	(4) AA06GR200	6D68-1131
175, 275, 199, 299	06EA402653*	(4) AA06GR323	06EA500181	06EA502573*	(4) AA06GR293	6D68-1131
06EX						
150, 250	06EA502573*	(4) AA06GR293	6D68-1131	06DA504253*	(2) AA06GR200	6D40-1131
265	06EA502573*	(4) AA06GR293	6D68-1131	06EA502573*	(4) AA06GR200	6D68-1131
166	06EA502573*	(4) AA06GR293	6D68-1131	06DA504253*	(2) AA06GR200	6D40-1131
175, 275, 199, 299	06EA402653*	(4) AA06GR323	06EA500181	06EA502573*	(4) AA06GR293	6D68-1131
06EY						
150, 165	06EA402653*	(4) AA06GR323	06EA500181	06DA504253*	(2) AA06GR200	6D40-1131
166, 175, 099	06EA402653*	(4) AA06GR323	06EA500181	06EA502573*	(4) AA06GR293	6D68-1131
06EZ						
150, 266	06EA402653*	(4) AA06GR323	06EA500181	06DA504253*	(2) AA06GR200	6D40-1131
175, 199	06EA402653*	(4) AA06GR323	06EA500181	06EA502573*	(4) AA06GR293	6D68-1131

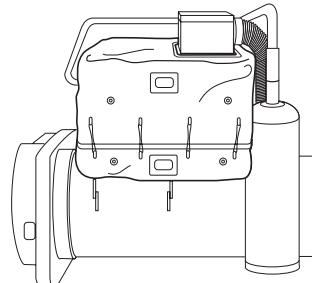
*05GA501762 plug required.

Unloader valve blank off plate: 06DA501032

CARLYLE SEMI-HERMETIC COMPRESSOR ACCESSORIES

COMPRESSOR SOUND BLANKET KITS

- Engineered design for precise fit
- Average 4 to 6 dBA sound reductions
- Superior quality and reliability
- Removable and reusable for easy access
- Used on Carlyle "06E" Semi-Hermetics, "06N" Screw and Danfoss "SM" scroll compressors.



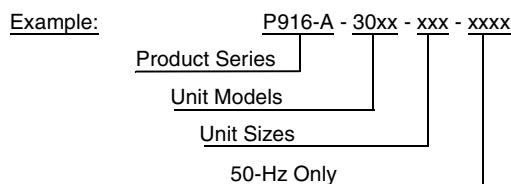
P4401

BASE PART NO.*	DESCRIPTION	COMPR MODEL	BLANKET QTY	AREA OF COVERAGE
P916-A-30GX	30GX Compressor Sound Blanket	06N	1	Compressor housing and discharge line, per compressor.
P916-A-30HX	30HX Compressor Sound Blanket		1	Compressor housing and discharge line, per compressor.
P916-A-06E250	30GT Compressor Sound Blanket		1	Compressor housing and discharge line, per compressor.
P916-A-06E265	30GT Compressor Sound Blanket	06E	1	Compressor housing and discharge line, per compressor.
P916-A-06E275	30GT Compressor Sound Blanket		1	Compressor housing and discharge line, per compressor.
P916-A-06E299	30GT Compressor Sound Blanket		1	Compressor housing and discharge line, per compressor.
P916-A-30GX080-178	30GX Compressor Sound Blanket Kit		2	Compressor housing and discharge elbow, per machine.
P916-A-30GX204,205	30GX Compressor Sound Blanket Kit	06N	3	Compressor housing and discharge elbow, per machine.
P916-A-30GX208,225	30GX Compressor Sound Blanket Kit		3	Compressor housing and discharge elbow, per machine.
P916-A-30GX228-249	30GX Compressor Sound Blanket Kit		3	Compressor housing and discharge elbow, per machine.
P916-A-30GX250,253	30GX Compressor Sound Blanket Kit		3	Compressor housing and discharge elbow, per machine.
P916-A-30GX264,268	30GX Compressor Sound Blanket Kit	06N	3	Compressor housing and discharge elbow, per machine.
P916-A-30GX220,240	30GX Compressor Sound Blanket Kit		4	Compressor housing and discharge elbow, per machine.
P916-A-30GX275-353	30GX Compressor Sound Blanket Kit		4	Compressor housing and discharge elbow, per machine.
P916-A-30GX365-393	30GX Compressor Sound Blanket Kit	06N	5	Compressor housing and discharge elbow, per machine.
P916-A-30GX415,418	30GX Compressor Sound Blanket Kit		5	Compressor housing and discharge elbow, per machine.
P916-A-30GX410,440-528	30GX Compressor Sound Blanket Kit		6	Compressor housing and discharge elbow, per machine.
P916-A-30HX076-186	30HX Compressor Sound Blanket Kit	06N	2	Compressor housing and discharge elbow, per machine.
P916-A-30HX206-271	30HX Compressor Sound Blanket Kit		3	Compressor housing and discharge elbow, per machine.
P916-A-30GT040-070	30GT Compressor Sound Blanket Kit		2	Compressor housing and discharge elbow, per machine.
P916-A-30GT070-50HZ, 080	30GT Compressor Sound Blanket Kit	06E	3	Compressor housing and discharge elbow, per machine.
P916-A-30GT090-130	30GT Compressor Sound Blanket Kit		4	Compressor housing and discharge elbow, per machine.
P916-A-30GT130-50HZ, 150	30GT Compressor Sound Blanket Kit		5	Compressor housing and discharge elbow, per machine.
P916-A-30GT170,190	30GT Compressor Sound Blanket Kit		6	Compressor housing and discharge elbow, per machine.
P916-A-30GT210,226	30GT Compressor Sound Blanket Kit	06E	7	Compressor housing and discharge elbow, per machine.
P916-A-30GT230	30GT Compressor Sound Blanket Kit		8	Compressor housing and discharge elbow, per machine.
P916-A-30GT245,255	30GT Compressor Sound Blanket Kit		9	Compressor housing and discharge elbow, per machine.
P916-A-30GT270,290	30GT Compressor Sound Blanket Kit	06E	10	Compressor housing and discharge elbow, per machine.
P916-A-30GT315	30GT Compressor Sound Blanket Kit		11	Compressor housing and discharge elbow, per machine.
P916-A-30GT330,360	30GT Compressor Sound Blanket Kit	06E	12	Compressor housing and discharge elbow, per machine.
P916-A-30GT390	30GT Compressor Sound Blanket Kit		13	Compressor housing and discharge elbow, per machine.
P916-A-30GT420	30GT Compressor Sound Blanket Kit		14	Compressor housing and discharge elbow, per machine.
P916-A-30RA010,015	30GT Compressor Sound Blanket Kit	SM	1	Compressor housing and discharge elbow, per machine.
P916-A-30RA018-030	30GT Compressor Sound Blanket Kit		2	Compressor housing and discharge elbow, per machine.
P916-A-30RA032-50HZ	30GT Compressor Sound Blanket Kit	SM	3	Compressor housing and discharge elbow, per machine.
P916-A-30RA035,040	30GT Compressor Sound Blanket Kit		3	Compressor housing and discharge elbow, per machine.
P916-A-30RA042-50HZ	30GT Compressor Sound Blanket Kit		4	Compressor housing and discharge elbow, per machine.
P916-A-30RA045-055	30GT Compressor Sound Blanket Kit		4	Compressor housing and discharge elbow, per machine.

*Base part number for each kit includes quantity of compressor sound blankets required per machine model/size/configure.

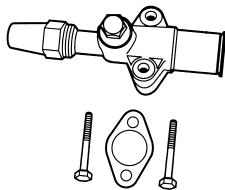
NOTE: Export Only. For 30GTN, 30GTR, and 30RA 50-Hz machine models, pricing for 50-Hz units will vary from 60-Hz units because of different compressor arrangements. Contact Syracuse for part number and pricing for 50 Hertz units.

PART NUMBER NOMENCLATURE:



CARLYLE SEMI-HERMETIC COMPRESSOR ACCESSORIES

COMPRESSOR SERVICE VALVE KITS BY VALVE SIZE



P419

- KIT CONSISTS OF:
SERVICE VALVE, GASKET AND BOLTS

NOTE: Service Valve contained in kits cannot be ordered separately.

VALVE SIZE (in.)	VALVE MOUNTING (BOLT HOLE CENTER-IN)	MUELLER - SERVICE VALVE				HENRY - SERVICE VALVE			
		ADAPTER/ TAILPIECE P/N	KIT P/N	VALVE P/N	CAP P/N	ADAPTER/ TAILPIECE P/N	KIT P/N	VALVE P/N	CAP P/N
5/8 FLARE	2 BOLT (1-5/8)	NR	06DA660059	EN26AA211	EN99ZA001	-	-	-	-
5/8 SWEAT	2 BOLT (1-5/8)	NR	06DA660060	EN32AA250	EN99ZA001	-	-	-	-
7/8 SWEAT	2-BOLT (1 -5/8)	NR	06DA660061	EN07AA271	EN99ZA006	NR	06DA660061	EN07AA271	NA
	2 BOLT (1 -3/4)		06DA660062	EN07AA284		NR	06DA660062	EN07AA284	
	2 BOLT (2-3/4)		EN99ZC027	-		-	-	-	
1-1/8 SWEAT	4 BOLT (2-1/2)	NR	06DA660063	EN07EA033	EN99ZA006	NR	06DA660063	EN07EA033	EN99ZA013
	2 BOLT (1 -3/4)		06DA660064	EN07AA348		NR	06DA660064	EN07AA348	
	2 BOLT (2-3/4)	EN99ZC033	-	EN07AA395		NA	-	EN07EC341	
1-3/8 SWEAT	4 BOLT (2-1/2)	NR	06DA660065	EN07EA039	EN99ZA006	NR	-	-	-
1-5/8 SWEAT	4 BOLT (2-1/2)	NR	06EA660090	EN07EA041	EN99ZA006	NR	06EA60090	EN07EA041	EN99ZA013
		NR	-	EN13HA045	NA	NA	-	EN13HA045	
2-1/8 SWEAT	4 BOLT (3-1/16)	EM99AA516	-	EM13FE051	EN99ZA009	EP29VC540	06EA660091	EM13FE051	EN99ZA022
2-5/8 SWEAT	4 BOLT (3-1/16)	EM99AA518	-	EM13FA518		-	-	-	-
3-1/8 SWEAT	4 BOLT (3-7/8)	EM99AA520	-	EM13FA520	EN99ZA011	EP29VC660	-	EM13FE520	EN99ZA018
4-1/8 SWEAT	4 BOLT (4-13/16)	NA	-	EM13FA524	NA	NA	-	EM13FES24	EN99ZA025

NR= Not Required.

NA = Vendor part number available upon request.

OILS

TOTALINE COMPRESSOR OILS - FOR CARLYLE AND TOTALINE COMPRESSORS

COMPRESSOR MODEL	REFRIGERANT R-12, R-22 (L & H TEMP.)		REFRIGERANT R-507, R-404A (MED. TEMP)		REFRIGERANT R-507, R-404A (LOW. TEMP)		REFRIGERANT R-134A (M & H TEMP)	
	OIL MODEL	TOTALINE PART NO.	OIL MODEL	TOTALINE PART NO.	OIL MODEL	TOTALINE PART NO.	OIL MODEL	TOTALINE PART NO.
Carlyle 06D, E semi-hermetic	Zerol 150	P903-2001 P903-2005 P903-2025	SW68	P903-1001 P903-1025 P903-1005	E68 (Do not use SW-68 for Low Temp)	P903-1725 P903-1701 P903-1705	SW68	P903-1001 P903-1025 P903-1005
	RO 15	P903-0101 P903-0105 P903-0155						
Carlyle 5F/H open	Zerol 150	P903-2001 P903-2005 P903-2025	SW68	P903-1001 P903-1025 P903-1005	E68 (Do not use SW-68 for Low Temp)	P903-1725 P903-1701 P903-1705	SW 68	P903-1001 P903-1025 P903-1005
	RO 15	P903-0101 P903-0105 P903-0155						
Carlyle 05T/06T Screw (74)	E-100	P903-1501 P903-1505 P903-1525	E-100	P903-1501 P903-1505 P903-1525	E-100	P903-1501 P903-1505 P903-1525	E-100	P903-1501 P903-1505 P903-1525
Carlyle 06N Screw (104 mm Global Chiller)	N/A	N/A	N/A	N/A	N/A	N/A	SW-220 (R-134a Only)	P903-1201 P903-1225 P903-1205
Millennium Scroll Technologies	Zerol 150	P903-2001 P903-2005 P903-2025	N/A	N/A	N/A	N/A	Mobil Arctic 68 Model now obsolete	

OILS

TOTALINE® OILS

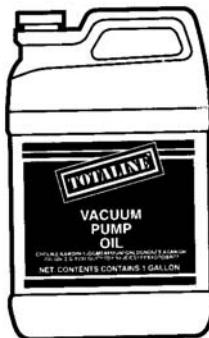
MINERAL REFRIGERATION OILS



P893

This is a refined oil used specifically for air conditioning and refrigeration. The low moisture content means less failure. A non-foaming, wax-free oil to prevent plugged capillaries and sticking expansion valves. OEM approved by most manufacturers.

VACUUM PUMP OIL



P894

A highly purified purpose vacuum pump oil that cleans and lubricates. The quart bottle (9.5 liters) has a convenient flip-top-cap.

P/N	SIZE	VISCOSITY
P903-0101	1 GAL (3.8 liters)	150
P903-0105	5 GAL (18.9 liters)	150
P903-0155	55 GAL (208.2 liters)	150
P903-0201	1 GAL (3.8 liters)	300
P903-0205	5 GAL (18.9 liters)	300
P903-0255	55 GAL (208.2 liters)	300
P903-0301	1 GAL (3.8 liters)	500
P903-0305	5 GAL (18.9 liters)	500
P903-0355	55 GAL (208.2 liters)	500

POLYOL-ESTER OILS



P1544

These environmentally friendly products are specifically formulated to use with the non-CFC refrigerant R-134a. The base fluids have been engineered to be totally miscible with R134a over a very wide temperature range while maintaining excellent lubricating properties.

P/N	SIZE	TYPE
P903-1025	1 QT (.95 liters)	SW68
P903-1001	1 GAL (3.8 liters)	SW68
P903-1005	5 GAL (18.9 liters)	SW68
P903-1125	1 QT (.95 liters)	SW32
P903-1101	1 GAL (3.8 liters)	SW32
P903-1105	5 GAL (18.9 liters)	SW32
P903-1225	1 QT (.95 liters)	SW220
P903-1201	1 GAL (3.8 liters)	SW220
P903-1205	5 GAL (18.9 liters)	SW220

ALKYLBENZENE REFRIGERATION OILS



P1545

The Z-Series are high quality synthetic Alkylbenzene Refrigeration fluids for use with HCFC, CFC and ammonia refrigerants in refrigeration and air conditioning applications.

Due to superior miscibility, Totaline Z-Series lubricants are excellent for systems utilizing environmentally sound refrigerants MP39, MP60, HP80 or HP81. Totaline Z-Series are superior products for all R-22, R-123 and R-502 Systems, particularly at low temperatures.

Z-200TD is formulated with a unique additive package providing extreme pressure (EP) lubricity and foam control at operating conditions.

P/N	SIZE	TYPE
P903-2025	1 QT (.95 liters)	Z-150
P903-2001	1 GAL (3.8 liters)	Z-150
P903-2005	5 GAL (18.9 liters)	Z-150
P903-2125	1 QT (.95 liters)	Z-200TD
P903-2101	1 GAL (3.8 liters)	Z-200TD
P903-2105	5 GAL (18.9 liters)	Z-200TD
P903-2225	1 QT (.95 liters)	Z-300
P903-2201	1 GAL (3.8 liters)	Z-300
P903-2205	5 GAL (18.9 liters)	Z-300