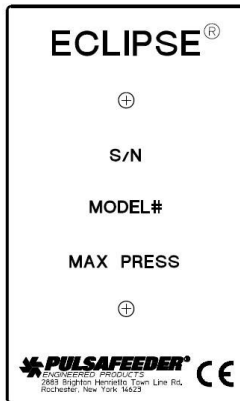


E05 Eclipse Pump Metallic

Pump Nameplate



Eclipse Model Structure

1	2/3	4	5	6	7	8	9	10*
E	05					-		

Pump Model Identification

Position	Code	Specifies	Options
1	E	Model	E- Eclipse
2 and 3	05	Pump Size	05 – Max. Capacity 1.7 gpm (6.3 lpm) 1/2" FNPT / 1/2" BSPT, ISO 7-1 / FLANGED .50-150# ANSI / DIN10/15 - PN16
4	A, G, U	Base Material	A – 316SS, FNPT U – 316LSS, Flange G – 316SS, BSPT, ISO71
5	L, B, T	Bearings	L – Carbon B – Silicon Carbide T – Glass Filled Teflon
6	U, K	O-rings	U – PTFE K – Kalrez Grade 4079
7	F, O, J, K	Motor Mounting	F – NEMA 56C O – NEMA 143/5TC J – IEC 71 B3/B14 K – IEC 80 B3/B14
8	-	Dash	

Pump Model Identification - Continued

Position	Code	Specifies	Options
9	S, F, B T, H, V	Options	S – 316L/FTE, 316L/ FTE, SC, ND F – 316L, 316L/FTE, SC, ND B – ALA/FTE, ALA/FTE, SC, ND T – 316L, 316L/PEEK, SC H – 316L, SC V – 316L, ND
10	N	Option*	Motor frame mounting – wet end only. (Leave blank for fully configured pump.)

FTE = Carbon fiber filled PTFE

SC = Samarium Cobalt

ND = Neodymium

ALA = Alumina Ceramic

Consult factory for motor mounting arrangements not covered in the above chart.

KOPkit Part Number Identification

Eclipse KOPkit Structure

1	2/3	4	5	6	7
KE	05	X			-

Position	Code	Specifies	Options
1	KE	Model	KE – Eclipse
2 and 3	05	Pump Size	05 – Max. Capacity 1.7 gpm (6.3 lpm)
4	X	Base Material	X – All base material types
5	L B T	Bearings	L – Carbon-92 B – Silicon Carbide T – Glass Filled Teflon
6	U K	O-rings	U – PTFE K – Kalrez Grade 4079

KOPkit Suffix (Select one option)

	Code	DRIVE (SHAFT / GEAR)	IDLER (SHAFT / GEAR)	ITEM	MAX. TEMP
7	-LTE GEARS, LINER, O-RINGS	S-LTE	316L / FTE	Neodymium	200°F (93°)
		F-LTE	316L		
		B-LTE	ALA / FTE		
		T-LTE	316L	Samarium Cobalt	400°F (204°C)
		H-LTE	316L		450°F (232°C)
		V-LTE	316L	Neodymium	300°F (149°)

	Code	DRIVE (SHAFT / GEAR)	IDLER (SHAFT / GEAR)	ITEM	MAX. TEMP
7	-STD GEARS, LINER, O-RINGS, BEARINGS	S-STD	316L / FTE	Neodymium	200°F (93°)
		F-STD	316L		
		B-STD	ALA / FTE		
		T-STD	316L	Samarium Cobalt	400°F (204°C)
		H-STD	316L		450°F (232°C)
		V-STD	316L	Neodymium	300°F (149°)

FTE = Carbon fiber filled PTFE

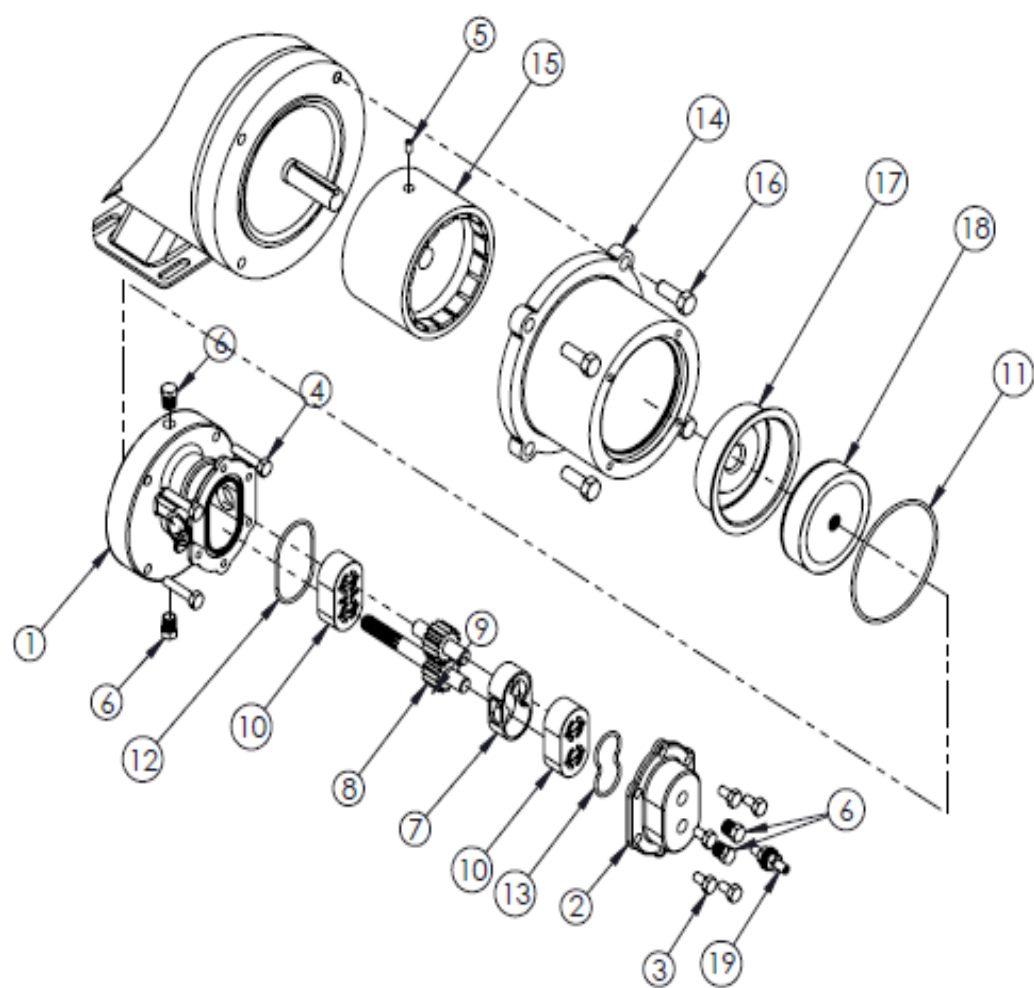
SC = Samarium Cobalt

ND = Neodymium

ALA = Alumina Ceramic

Consult factory for motor mounting arrangements not covered in the above chart.

Parts Diagram and List, Eclipse 05 Metallic



Eclipse Pump Series Size 05 Metallic

Consolidated Bill of Material

Position 1,2,3,4 – Base Pump Material/Ports

			Position 4 Base Pump Material and Port Connection		
			316L SS (A, G, U)		
E05	Description	Item	Part Number	Material	Qty
Common Parts	Bolt	3	NP990556-188	Stainless Steel	5
	Screw	4	NP990557-188	Stainless Steel	4
	Grounding Hardware	19	NG990041-005	Stainless Steel	1
	Grounding Kit	N/S	NG990041-000	N/A	1
	Set Screw	5	W77104-019	Stainless Steel	1
	Can, Containment	17	79672	Stainless Steel	1
	Cover, Front	2	NG020018-316	Stainless Steel	1
	Liner, Housing	7	NG220003-FTE	ETFE	1
	Nameplate	N/S	NG550003-304	Stainless Steel	1
	Drive Screw	N/S	W771000-188	Stainless Steel	2
	Plug, drain	6	W772565-316	Stainless Steel	4
A	Housing, Center FNPT	1	NG040049-316	Stainless Steel	1
G	Housing, Center BSPT		NG040060-316	Stainless Steel	1
U	Housing, Center Flange		NG040057-316	Stainless Steel	1
Position 9	S, F, B, V	18	NG200065-316	Stainless Steel	1
	T, H		NG200071-316	Stainless Steel	1

Position 5 - Bearing Materials

	Description	Item	Part Number	Material	Qty
L	Bearing	10	NG080002-CBN	Carbon 92	2
B	Bearing		NG080002-SIC	Silicon Carbide	2
T	Bearing		NG080013-FTF	PTFE	2

Position 6 - O-ring Material Selection

	Description	Item	Part Number	Material	Qty
U	O-ring Containment Can	11	W209787-TFE	PTFE	1
	O-ring Cover	12	NP440137-TFE	PTFE	1
	O-ring Compression	13	NP440129-KLZ	Kalrez	1
K	O-ring Containment Can	11	W209787-KLZ	Kalrez	1
	O-ring Cover	12	NP440137-KLZ	Kalrez	1
	O-ring Compression	13	NP440129-KLZ	Kalrez	1

Position 7 - NEMA C-Face and IEC B3/14 Metric Frame Magnetic Coupling Arrangement 56C NEMA frame components

	Description	Item	Part Number	Material	Part Number	Material	Qty
F	Casing	14	79610	Aluminum	79610	Aluminum	1
	Bolt	16	W770425-STL	Steel	W770425-STL	Steel	4
	Drive Magnet Assembly	15	79684	Stainless Steel	79604	Stainless Steel	1
	Position 9 Magnet Options		S, F, B, V		T, H		
	Motor Mount Kit #		E05XXXXF-NE0				

Position 7 - NEMA C-Face and IEC B3/14 Metric Frame Magnetic Coupling Arrangement
- Continued

143-145TC NEMA frame components

	Description	Item	Part Number	Material	Part Number	Material	Qty
O	Casing	14	79610	Aluminum	79610	Aluminum	1
	Bolt	16	79685	Steel	79636	Steel	4
	Drive Magnet Assembly	15	W770425-STL	Stainless Steel	W770425-STL	Stainless Steel	1
	Position 9 Magnet Options		S, F, B, V		T, H		
	Motor Mount Kit #		E05XXXO-NE0				

71 IEC B3/14 frame components

71 IEC D3/24 frame components							
	Description	Item	Part Number	Material	Part Number	Material	Qty
J	Casing 71 IEC	14	79681	Aluminum	79681	Aluminum	1
	Driven Magnet Assembly	15	79686	Stainless Steel	79688	Stainless Steel	1
	Motor Adaptor 71 IEC	N/S	79679	Steel	79679	Steel	1
	Bolt	N/S	16722	Steel	16722	Steel	4
	Bolt	16	NP990415-STL	Steel	NP990415-STL	Steel	4
	Position 9 Magnet Options		S, F, B, V		T, H		
	Motor Mount Kit #		E05XXXJ-NE0				

80 IEC B3/14 frame components

	Description	Item	Part Number	Material	Part Number	Material	Qty
K	Casing 80 IEC	14	79681	Aluminum	79681	Aluminum	1
	Driven Magnet Assembly	15	79687	Stainless Steel	79689	Stainless Steel	1
	Motor Adaptor 80IEC	N/S	79680	Steel	79680	Steel	1
	Bolt	N/S	16722	Steel	16722	Steel	4
	Bolt	16	NP990415-STL	Steel	NP990415-STL	Steel	4
	Position 9 Magnet Options		S, F, B, V		T, H		
	Motor Mount Kit #		E05XXXK-NE0				

Position 9 - Gear Assembly Materials

	Description	Item	Part Number	Material	Qty
-S	Gear Assembly, Drive	8	NG010032-FTE	316L/FTE	1
	Gear Assembly, Idler	9	NG010031-FTE	316L/FTE	1
-F	Gear Assembly, Drive	8	NG010046-316	Cast 316L	1
	Gear Assembly, Idler	9	NG010031-FTE	316L/FTE	1
-B	Gear Assembly, Drive	8	NG010039-FTE	ALA/FTE	1
	Gear Assembly, Idler	9	NG010015-FTE	ALA/FTE	1
-V	Gear Assembly, Drive	8	NG010046-316	Cast 316L	1
	Gear Assembly, Idler	9	NG010047-316	Cast 316L	1
-T	Gear Assembly, Drive	8	NG010046-316	Cast 316L	1
	Gear Assembly, Idler	9	NG010053-PK1	316L/PEEK	1
-H	Gear Assembly, Drive	8	NG010046-316	Cast 316L	1
	Gear Assembly, Idler	9	NG010047-316	Cast 316L	1

Position 10 – (option)* Motor frame mounting – wet end only

	Description	Item	Part Number	Material	Qty
F	Casing, 56-143/5TC	14	79610	Aluminum	1
O	Casing, 56-143/5TC		79610	Aluminum	1
J	Casing 71 IEC		79681	Aluminum	1
K	Casing 80 IEC		79681	Aluminum	1

KOPKit Suffix (Select one option)

	Description	Item	Qty
-LTE	Liner, Housing	7	1
	Gear Assembly, Drive	8	1
	Gear Assembly, Liner	9	1
	O-ring Cover	12	1

	Description	Item	Qty
-STD	Bearing	10	2
	Liner, Housing	7	1
	Gear Assembly, Drive	8	1
	Gear Assembly, Liner	9	1
	O-ring Cover	12	1
	O-ring Compression	13	1

*parts listed in tables above