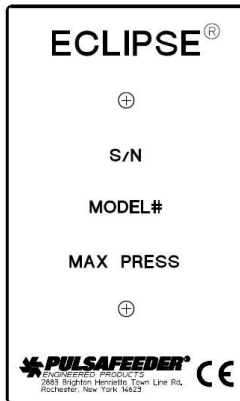


E25 Eclipse Pump Metallic

Pump Nameplate



Eclipse Model Structure

1	2/3	4	5	6	7	8	9	10*
E	25					-		

Pump Model Identification

Position	Code	Specifies	Options
1	E	Model	E- Eclipse
2 and 3	25	Pump Size	25 – Max. Capacity 7.4 gpm (28 lpm) 3/4" FNPT / 3/4" BSPT, ISO 7-1 / FLANGED .75"-150 ANSI / DIN 20 - PN16
4	A, G, U	Base Material	A – 316SS, FNPT G—316SS,BSPT,ISO7-1 U—316LSS, Flange
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, S, K, L	Motor Mounting	F – NEMA 56C O—NEMA 143/5TC S – NEMA 182TC-184TC K—IEC 80 B3/B14 L—IEC 90 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	25	X			-

Position	Code	Specifies	Options
1	KE	Model	KE – Eclipse
2 and 3	25	Pump Size	25 – Max. Capacity 7.4 gpm (28 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)

	SUFFIX	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°)
	SUFFIX	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

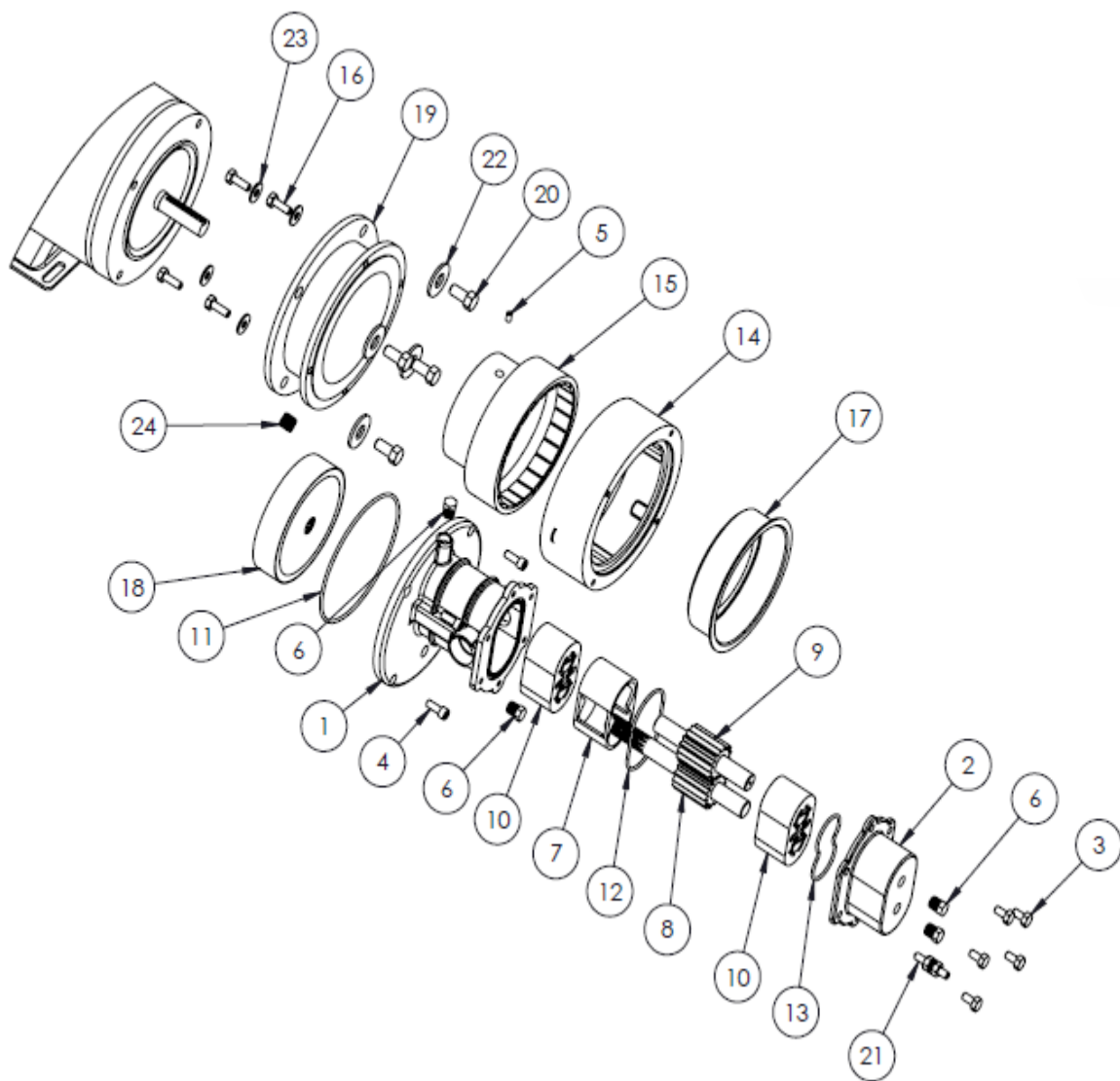
SC = Samarium Cobalt

ND = Neodymium

ALA = Alumina Ceramic

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

Parts Diagram and List, Eclipse 25 Metallic



Eclipse Pump Series Size 25 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)		
E25	Description	Item	Part Number	Material	Qty
Common Parts	Bolt	3	NP990556-188	Stainless Steel	5
	Screw	4	W770198-188	Stainless Steel	4
	Grounding Hardware	21	NG990041-025	Stainless Steel	1
	Grounding Kit	N/S	NG990041-000	N/A	1
	Can, Containment	17	49672	Stainless Steel	1
	Cover, Front	2	NG020017-316	Stainless Steel	1
	Liner, Housing	7	NG220004-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	NG040047-316	Stainless Steel	1
G	Housing, Center BSPT		NG040053-316	Stainless Steel	1
U	Housing, Center Flange		NG040059-316	Stainless Steel	1
Position 9	S, F, B, V	18	NG200063-316	Stainless Steel	1
	T, H		NG200073-316	Stainless Steel	1

Position 5 - Bearing Materials

	Description	Item	Part Number	Material	Qty
L	Bearing	10	NG080003-CBN	Carbon 92	2
B	Bearing		NG080003-SIC	Silicon Carbide	2
T	Bearing		NG080014-FTF	PTFE	2

Position 6 - O-ring Material Selection

	Description	Item	Part Number	Material	Qty
U	O-ring Containment Can	11	W209729-TFE	PTFE	1
	O-ring Cover	12	NP440147-TFE	PTFE	1
	O-ring Compression	13	NP440138-KLZ	Kalrez	1
K	O-ring Containment Can	11	W209729-KLZ	Kalrez	1
	O-ring Cover	12	NP440147-KLZ	Kalrez	1
	O-ring Compression	13	NP440138-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	49610	Aluminum	49610	Aluminum	1
	Spool, 56C-143/5TC	19	49627	Aluminum	49627	Aluminum	1
	Set Screw	5	W771004-019	Stainless Steel	Not req.		1
	Bolt, motor	20	W770424-STL	Steel	W770424-STL	Steel	4
	Bolt, casing	16	16722	Steel	16722	Steel	4
	Drive Magnet Assembly	15	49731	Stainless Steel	49604	Stainless Steel	1
	Position 9 Magnet Options		S, F, B, V		T, H		
	Motor Mount Kit #		E25XXXF-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	49610	Aluminum	49610	Aluminum	1
	Spool, 56C-143/5TC	19	49627	Aluminum	49627	Aluminum	1
	Set Screw	5	Not req.		W771004-019	Stainless Steel	1
	Bolt, motor	20	W770424-STL	Steel	W770424-STL	Steel	4
	Bolt, casing	16	16722	Steel	16722	Steel	4
	Drive Magnet Assembly	15	49732	Stainless Steel	49636	Stainless Steel	1
	Position 9 Magnet Options		S, F, B, V		T, H		
	Motor Mount Kit #		E25XXXO-NE0				

90 IEC B3/14 frame components

	Description	Item	Part Number	Material	Part Number	Material	Qty
L	Casing	14	49610	Aluminum	49610	Aluminum	1
	Drive Magnet Assembly	15	49734	Stainless Steel	49736	Stainless Steel	1
	Set Screw	5	W771004-019	Stainless Steel	W771004-019	Stainless Steel	1
	Spool, 90 IEC	19	49728	Aluminum	49728	Aluminum	1
	Bolt, casing	16	16722	Steel	16722	Steel	4
	Bolt, motor	20	NP990478-STL	Steel	NP990478-STL	Steel	4
	Position 9 Magnet Options		S, F, B, V		T, H		
	Motor Mount Kit #		E25XXXL-NE0				

80 IEC B3/14 frame components

	Description	Item	Part Number	Material	Part Number	Material	Qty
K	Casing	14	49610	Aluminum	49610	Aluminum	1
	Drive Magnet Assembly	15	49733	Stainless Steel	49735	Stainless Steel	1
	Set Screw	5	W771004-019	Stainless Steel	W771004-019	Stainless Steel	1
	Spool 80 IEC	19	49727	Aluminum	49727	Aluminum	1
	Bolt, casing	16	16722	Steel	16722	Steel	4
	Bolt, motor	20	NP990415-STL	Steel	NP990415-STL	Steel	4
	Position 9 Magnet Options		S, F, B, V		T, H		
	Motor Mount Kit #		E25XXXK-NE0				

182/184TC NEMA frame components

	Description	Item	Part Number	Material	Part Number	Material	Qty
S	Casing, 56C-143/5TC	14	49610	Aluminum	49610	Aluminum	1
	Drive Magnet Assembly	15	NG200075-000	Stainless Steel	NG200076-000	Stainless Steel	1
	Spool 182/184TC E25	19	NG110029-ALU	Aluminum	NG110029-ALU	Aluminum	1
	Bolt, casing	16	16722	Steel	16722	Steel	4
	Bolt, motor	20	NP990438-STL	Steel	NP990438-STL	Steel	4
	Set Screw	5	W771004-046	Steel	W771004-046	Steel	1
	Flat Washer 1/4" Casting Bolt	23	W774030-STL	Steel	W774030-STL	Steel	4
	Flat Washer 1/2" Motor Bolt	22	W771011-STL	Steel	W771011-STL	Steel	4
	Pipe Plug 25NPT	24	W772585-002	Steel	W772585-002	Steel	1
	Position 9 Magnet Options		S, F, B, V		T, H		
	Motor Mount Kit #		E25XXXS-NE0				

Position 9 - Gear Assembly Materials

	Description	Item	Part Number	Material	Qty
-S	Gear Assembly, Drive	8	NG010028-FTE	316L/FTE	1
	Gear Assembly, Idler	9	NG010027-FTE	316L/FTE	1
-F	Gear Assembly, Drive	8	NG010050-316	Cast 316L	1
	Gear Assembly, Idler	9	NG010027-FTE	316L/FTE	1
-B	Gear Assembly, Drive	8	NG010041-FTE	ALA/FTE	1
	Gear Assembly, Idler	9	NG010017-FTE	ALA/FTE	1
-V	Gear Assembly, Drive	8	NG010050-316	Cast 316L	1
	Gear Assembly, Idler	9	NG010051-316	Cast 316L	1
-T	Gear Assembly, Drive	8	NG010050-316	Cast 316L	1
	Gear Assembly, Idler	9	NG010055-PK1	316L/PEEK	1
-H	Gear Assembly, Drive	8	NG010050-316	Cast 316L	1
	Gear Assembly, Idler	9	NG010051-316	Cast 316L	1

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

	Description	Item	Part Number	Material	Qty
F	Casing, 56-143/5TC	14	49610	Aluminum	1
O	Casing, 56-143/5TC		49610	Aluminum	1
J	Casing 71 IEC		49610	Aluminum	1
K	Casing 80 IEC		49610	Aluminum	1
L	Casing 90 IEC		49610	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