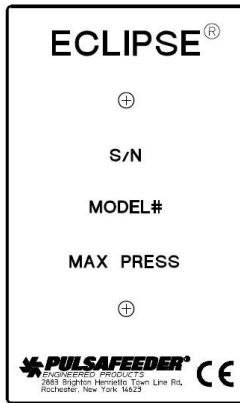


E75 Eclipse Pump Metallic

Pump Nameplate



Eclipse Model Structure

1	2/3	4	5	6	7	8	9
E	75					-	

Pump Model Identification

Position	Code	Specifies	Options
1	E	Model	E- Eclipse
2 and 3	75	Pump Size	75 – Max. Capacity 20 gpm (75 lpm) 1-1/2 FNPT / 1-1/2" BSPT ISO 7-1 / FLANGED 1 1/2"-150# ANSI / DIN 32/40 - 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	O, S, R, U, W	Motor Mounting	O—NEMA 143/5TC S – NEMA 182TC-184TC R—NEMA Pedestal (182-184T or 213-215) U—IEC Pedestal (100/112 B3) W—NEMA 213-5TC
8	-	Dash	

Pump Model Identification - Continued

Position	Code	Specifies	Options
9	S, F, B T, H	Options	S – 316L/FTE, 316L/ FTE, SC F – 316L, 316/FTE, SC B – ALA/FTE, ALA/FTE, SC T – 316L, 316L/PEEK, SC H – 316L, SC

FTE = Carbon fiber filled PTFE

SC = Samarium Cobalt

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	75	X			-

Position	Code	Specifies	Options
1	KE	Model	KE – Eclipse
2 and 3	75	Pump Size	75 – Max. Capacity 20 gpm (75 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	316L / FTE	Samarium Cobalt	200°F (93°)
		F-LTE	316L	316L / FTE		400°F (204°C)
		B-LTE	ALA / FTE	ALA / FTE		450°F (232°C)
		T-LTE	316L	316L / PEEK		
		H-LTE	316L	316L		

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

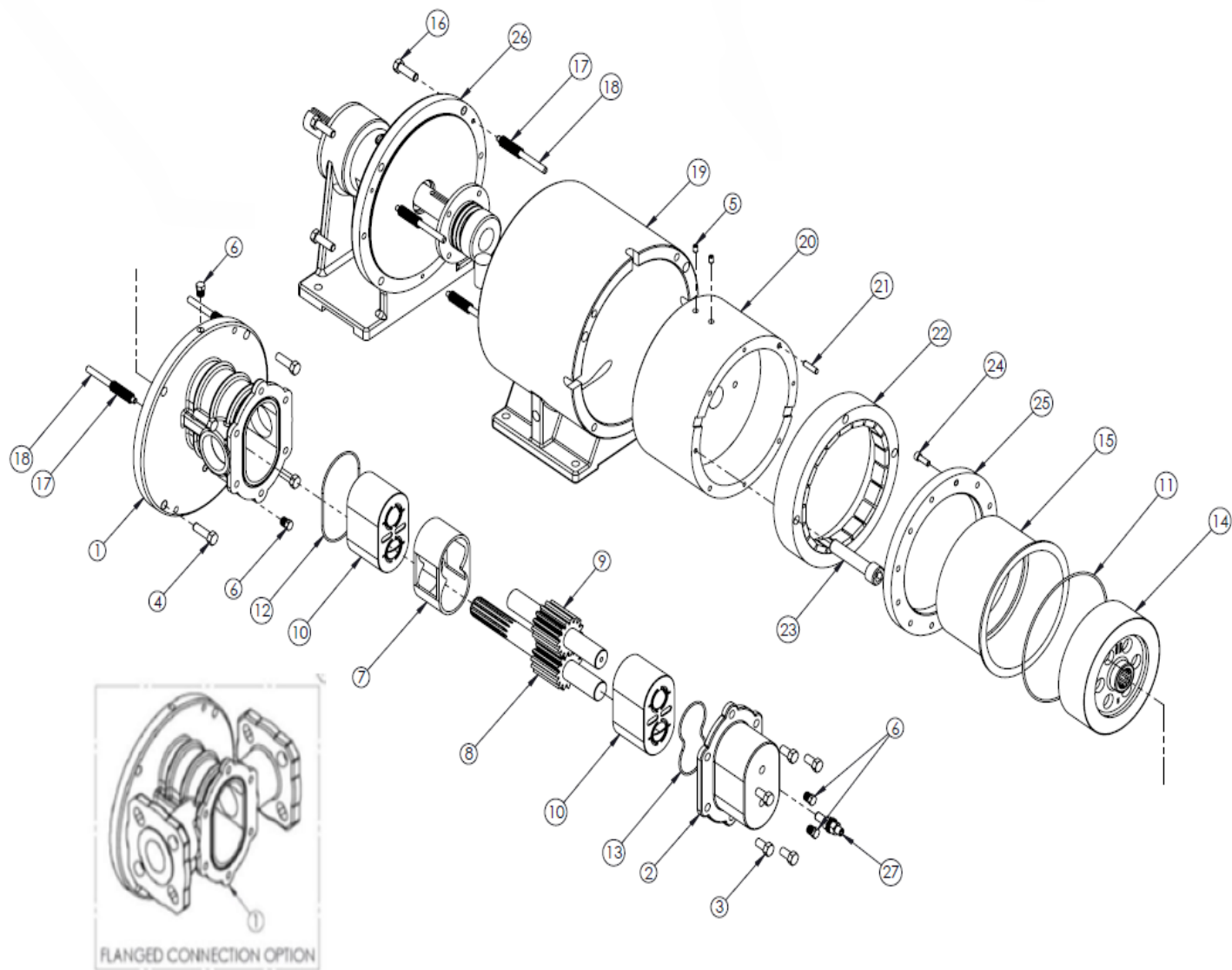
FTE = Carbon fiber filled PTFE

SC = Samarium Cobalt

ALA = Alumina Ceramic

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

Parts Diagram and List, Eclipse 75 Metallic



****Eclipse Metallic 75/125 Power frames are shipped without oil.****
Use Standard motor oil: SAE 10W-30, 10W-40, or 5W-30.

Eclipse Pump Series Size 75 Metallic

Consolidated Bill of Material

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

Position 1,2,3,4 – Base Pump Material/Ports			Position 4 Base Pump Material and Port Connection		Qty	
			316L SS (A, G, U)			
			Part Number	Material		
E75	Description	Item	Part Number	Material	Qty	
Common Parts	Bolt, Front Cover	3	NP990559-188	Stainless Steel	5	
	Bolt, Housing	4	W770426-188	Stainless Steel	4	
	Set Screw	5	W771004-030	Stainless Steel	2	
	Grounding Hardware	27	NG990041-075	Stainless Steel	1	
	Grounding Kit	N/S	NG990041-000	N/A	1	
	Spring	17	99642	Stainless Steel	6	
	Pin, Guide	18	99641	Stainless Steel	6	
	Can, Containment	15	99600	Alloy C	1	
	Ring, Containment Can	25	99630	Stainless Steel	1	
	Bolt, Containment Ring	24	W770021-188	Stainless Steel	12	
	Power Frame Adaptor	19	99619	Aluminum	1	
	Cover, Front	2	NG020023-316	Stainless Steel	1	
	Liner	7	NG220005-FTE	ETFE	1	
	Nameplate	N/S	NG550004-304	Stainless Steel	1	
	Drive Screw	N/S	W771000-188	Stainless Steel	2	
	Plug, drain	6	W772565-316	Stainless Steel	4	
Lifting Lug	N/S	W212304-STL	Steel	1		
A	Housing, Center FNPT	1	NG040055-316	Stainless Steel	1	
G	Housing, Center BSPT		NG040062-316	Stainless Steel	1	
U	Housing, Center Flange		NG040056-316	Stainless Steel	1	
Position 9	S, F, B	Driven Magnet Assembly	14	NG200069-316	Stainless Steel	1
	T, H					

Position 5 - Bearing Materials

	Description	Item	Part Number	Material	Qty
L	Bearing	10	NG080004-CBN	Carbon 92	2
B	Bearing		NG080004-SIC	Silicon Carbide	2
T	Bearing		NG080015-FTE	Teflon	2

Position 6 - O-ring Material Selection

	Description	Item	Part Number	Material	Qty
U	O-ring Containment Can	11	W212172-TFE	PTFE	1
	O-ring Cover	12	NP440155-TFE	PTFE	1
	O-ring Compression	13	NG440152-KLZ	Kalrez	1
K	O-ring Containment Can	11	W212172-KLZ	Kalrez	1
	O-ring Cover	12	NP440155-KLZ	Kalrez	1
	O-ring Compression	13	NG440152-KLZ	Kalrez	1

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

NEMA 143/5TC frame components

NEMA 1405FC frame components					
	Description	Item	Part Number	Material	Qty
O	Housing, Drive MAG GM12/16	28	NG200080-IRN	IRON	1
	.2502ODX1.0 Dowel Pin 0188	21	W771209-003	S.S	2
	Ring Assy, Drive Mag Sgl GM12	22	99635	SC/IRON / S.S.	1
	.25-20X1.75 Screw SKHD 00188	23	W770027-188	S.S.	4
	.38-16X1.25 BOLT HEXHD 20188	16	W770426-188	S.S.	8
	Adaptor, Motor 56/215TC	29	NG110034-188	S.S.	1
	CPLG, Drive MAD/MOTO 140TC-180C	30	NG940003-STL	Steel	1
	.31-18X.38 SCREW SETSC 80STA	31	W771004-046	Steel	1
	.50-13X1.0 BOLT HEX HD 20188	32	W770482-188	S.S.	4
	.25-20X.75 SCREW SKHD 00188	33	W770021-188	S.S.	4
	Position 9 Magnet Options			S, F, B, T, H	
E75XXX0-SMC					

IEC frame components (100/112, B3)

120 Frame Components (200111, 20)					
	Description	Item	Part Number	Material	Qty
U	Power Frame Assembly	26	99649	Gray Iron	1
	Housing, Drive Magnet	20	99640	Steel	1
	Pin, Drive Magnet/Holder	21	W771209-03	S.S	4
	Drive Magnet Ring	22	99635	Steel	1
	Screw, Magnet/Holder	23	W770027-188	S.S	4
	Bolt, Power Frame	16	W770426-188	S.S	4
	Position 9 Magnet Options			S, F, B, T, H	
E75XXXU-SMC					

NEMA 213-5TC frame components

	Description	Item	Part Number	Material	Qty
W	Housing, Drive MAG GM12/GM16	28	NG200080-IRN	IRON	1
	.2502ODX1.0 Dowel Pin 0188	21	W771209-003	S.S	2
	Ring Assy, Drive Mag Sgl GM12	22	99635	SC/IRON / S.S.	1
	.25-20X1.75 Screw SKHD 00188	23	W770027-188	S.S	4
	.38-16X1.25 BOLT HEXHD 20188	16	W770426-188	S.S	8
	Adaptor, Motor 56/215TC	29	NG110034-188	S.S	1
	CPLG, Drive MAD/MOTO 213/5TC	30	NG940008-STL	Steel	1
	.38-16X.75 SCREW SETSC 80STA	31	W771004-041	Steel	1
	.50-13X1.0 BOLT HEX HD 20188	32	W770482-188	S.S	4
	.25-20X.75 SCREW SKHD 00188	33	W770021-188	S.S	4
	Position 9 Magnet Options			S, F, B, T, H	
E75XXXW-SMC					

NEMA frame components (182-184T or 213-215)

	Description	Item	Part Number	Material	Qty
R	Power Frame Assembly	26	99648	Gray Iron	1
	Housing, Drive Magnet	20	99640	Steel	1
	Pin, Drive Magnet/Holder	21	W771209-03	S.S	4
	Drive Magnet Ring	22	99635	Steel	1
	Screw, Magnet/Holder	23	W770027-188	S.S	4
	Bolt, Power Frame	16	W770426-188	S.S	4
	Position 9 Magnet Options		S, F, B, T, H		
E75XXXR-SMC					

* S.S. = Stainless Steel

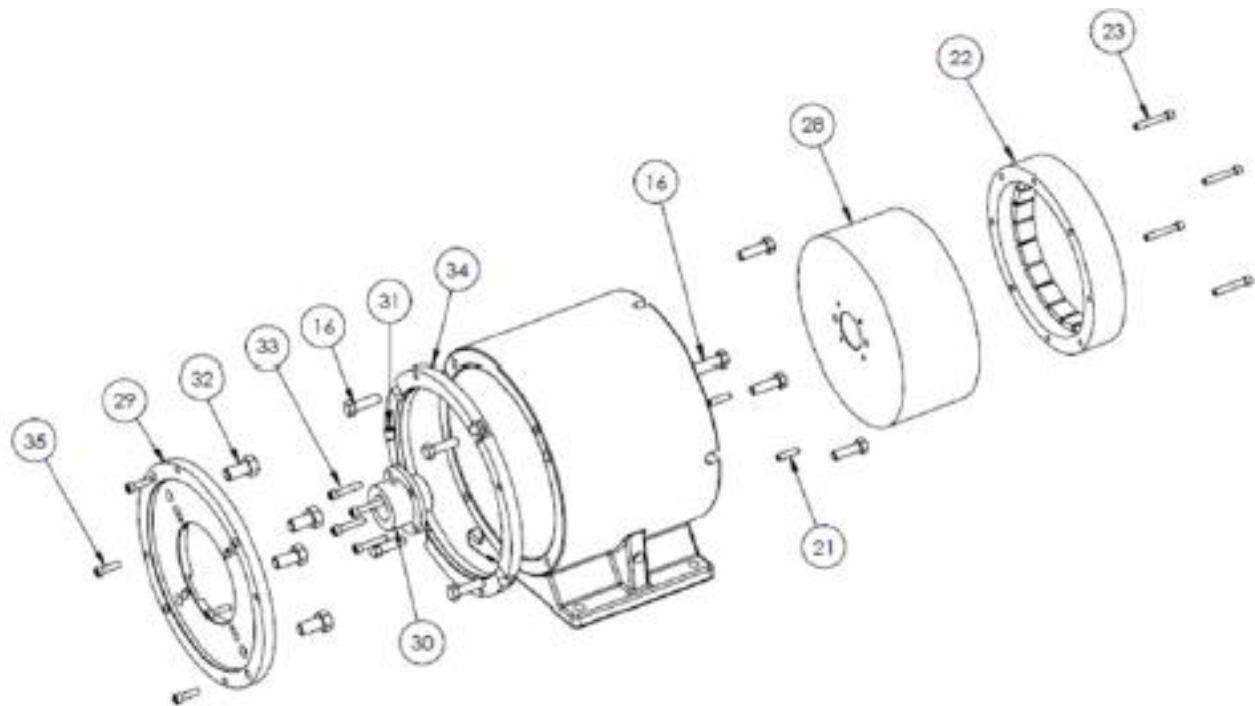
** SC/IRON = Samarium cobalt

Position 7 - NEMA C-Face and IEC B3/14 Metric Frame Magnetic Coupling Arrangement
Con't.

NEMA frame components (182TC-184TC)

* S.S. = Stainless Steel
** SC/IRON = Samarium cobalt

	Description	Item	Part Number	Material	Qty
S	Housing, Drive MAG GM12/GM16	28	NG200080-IRN	IRON	1
	.2502ODX1.0 Dowel Pin 0188	21	W771209-003	S.S	2
	Ring Assy, Drive Mag Sgl GM12	22	99635	SC/IRON / S.S.	1
	.25-20X1.75 Screw SKHD 00188	23	W770027-188	S.S	4
	.38-16X1.25 BOLT HEXHD 20188	16	W770424-188	S.S	8
	Adaptor, Motor 56/215TC	29	NG110034-188	S.S	1
	CPLG, Drive MAD/MOTO 213/5TC	30	NG940007-STL	Steel	1
	.38-16X.75 SCREW SETSC 80STA	31	W771004-046	Steel	1
	.50-13X1.0 BOLT HEX HD 20188	32	W770482-188	S.S	4
	.25-20X.75 SCREW SKHD 00188	33	W770022-188	S.S	4
	ADAPTOR, MOTOR E75/125-184TC	34	NG110036-304	S.S	1
	.25-20X.88 SCREW SKHD 00188	35	W770021-188	S.S	4
	Position 9 Magnet Options			S, F, B, T, H	
	E75XXXS-SMC				



Use Standard motor oil: SAE 10W-30, 10W-40, or 5W-30.

**Eclipse Metallic 75/125 Power frames are shipped without oil.

Position 9 - Gear Assembly Materials

	Description	Item	Part Number	Material	Qty
-S	Gear Assembly, Drive	8	NG010042-FTE	316L/FTE	1
	Gear Assembly, Idler	9	NG010043-FTE	316L/FTE	1
-F	Gear Assembly, Drive	8	NG010059-316	Cast 316L	1
	Gear Assembly, Idler	9	NG010043-FTE	316L/FTE	1
-B	Gear Assembly, Drive	8	NG010063-FTE	ALA/FTE	1
	Gear Assembly, Idler	9	NG010019-FTE	ALA/FTE	1
-T	Gear Assembly, Drive	8	NG010059-316	Cast 316L	1
	Gear Assembly, Idler	9	NG010056-PK1	316L/PEEK	1
-H	Gear Assembly, Drive	8	NG010059-316	Cast 316L	1
	Gear Assembly, Idler	9	NG010060-316	Cast 316L	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