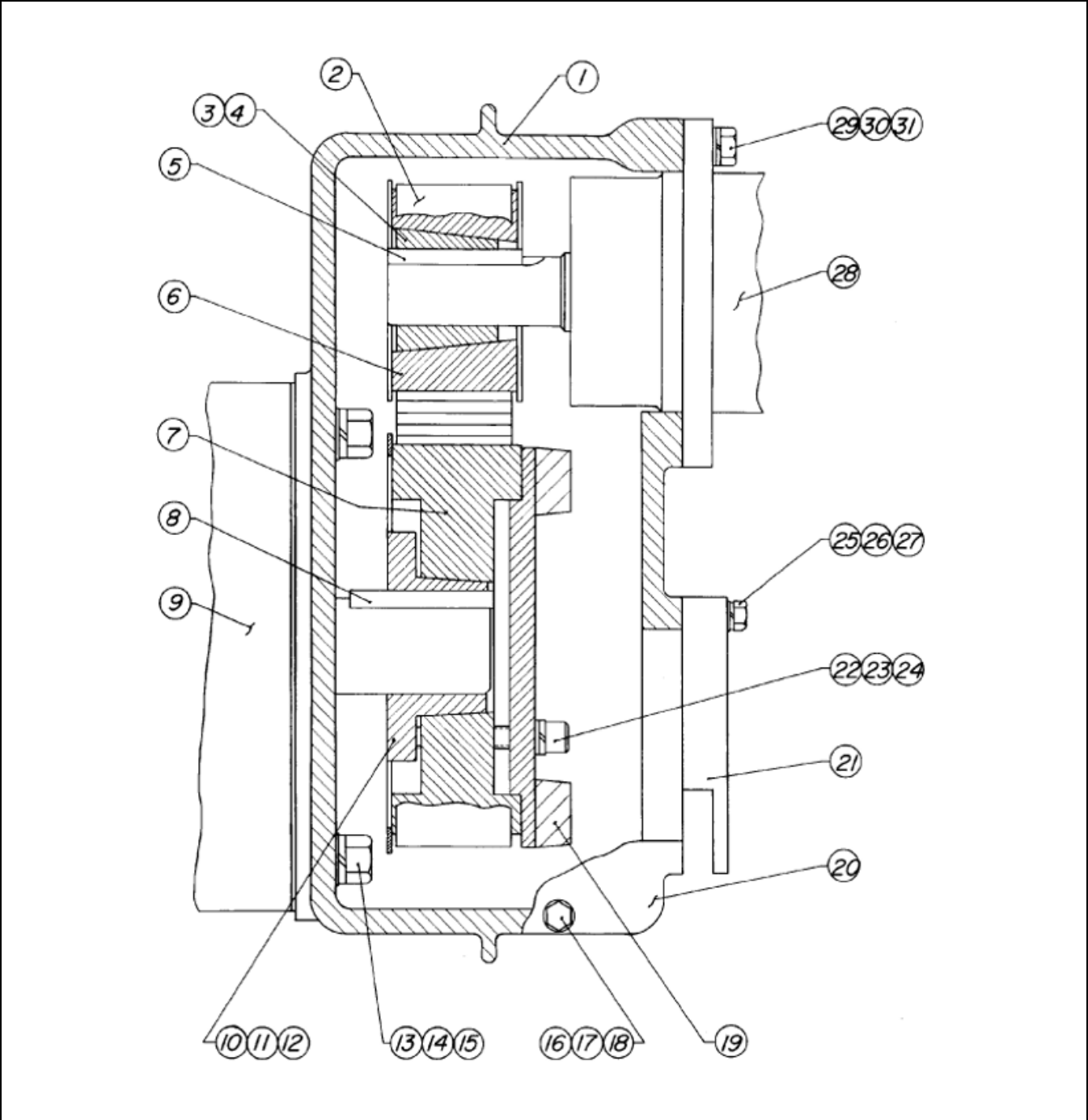


BLACKMER PARTS LIST
PUMP MODEL: CRYO-MACH SERIES
RATIO BELT BOX FOR 284-286TC MOTOR FRAME

Page 1 of 2	PARTS LIST 1401-A01-12
Section	1401
Effective	Oct 2026
Replaces	New

CROSS SECTION DRAWING



CRYO-MACH SERIES – RATIO BELT BOX FOR 284-286TC MOTOR

1.82/2.0 RATIO BELT BOX PARTS LIST

Cross Section Drawing No.	Qty	Part Number	Description	Material	Notes
1.1	1	CRY-711118	Belt Box	Alum.	1.82:1 ratio
1.2	1	CRY-711120	Belt Box	Alum.	2.0:1 ratio
2.1	1	CRY-270H300	Timing Belt	Rubber	1.82:1 ratio
2.2	1	CRY-300H300	Timing Belt	Rubber	2.0:1 ratio
3	1	CRY-TB1615-1187	Pump Bushing	Steel	
4	2	-	Set Screw	Steel	w/item 3
5	1	-	Key	Steel	w/pump assy.
6	1	CRY-TB22H300	Pulley, Pump	Steel	
7.1	1	CRY-SK40H300	Pulley, Motor	Steel	1.82:1 ratio
7.2	1	CRY-SK44H300	Pulley, Motor	Steel	2.0:1 ratio
8	1	-	Key	Steel	w/motor
9	1	-	Motor		Contact factory
10	1	CRY-QDSK-1875	Bushing, Motor	Steel	
11	3	-	Hex Head Bolt	Steel	w/item 10
12	3	-	Lock Washer	Steel	w/item 10
13	4	CRY-HB816-13-1250	Hex Head Bolt	SST	
14	4	CRY-LW816-125	Lock Washer	SST	
15	4	CRY-FW816-063	Flat Washer	SST	
16	4	CRY-HB416-20-750	Hex Head Bolt	SST	
17	4	CRY-LW416-062	Lock Washer	SST	
18	4	CRY-FW416-063	Flat Washer	SST	
19	1	CRY-720131	Belt Box Fan	Alum.	
20	1	CRY-720215	Belt Box Cover	Alum.	
21	1	CRY-711108	Belt Box Port Cover	Alum.	
22	3	CRY-SH516-18-2500	Socket Head Cap Screw	SST	
23	3	CRY-LW516-078	Lock Washer	SST	
24	3	CRY-FW516-063	Flat Washer	SST	
25	3	CRY-HB416-20-1500	Hex Head Bolt	SST	
26	3	CRY-LW416-062	Lock Washer	SST	
27	3	CRY-FW416-063	Flat Washer	SST	
28	1	-	Cold End		Contact factory
29.1	4	CRY-HB616-16-1125	Hex Head Bolt	SST	for 1x2x6
29.2	4	CRY-HB616-16-1375	Hex Head Bolt	SST	for 1x2x6-2S
30	4	CRY-LW616-094	Lock Washer	SST	
31	4	CRY-FW616-062	Flat Washer	SST	
32.1	1	CRY-730620	Adaptor	Alum.	
32.2	1	CRY-751025	Adaptor	Alum.	
33.1	4	CRY-HB1016-11-1500	Hex Head Bolt	SST	
33.2	4	CRY-HB816-13-1250	Hex Head Bolt	SST	
34.1	4	CRY-LW1016-156	Lock Washer	SST	
34.2	4	CRY-LW816-125	Lock Washer	SST	
35.1	4	CRY-FW1016-063	Flat Washer	SST	
35.2	4	CRY-FW816-063	Flat Washer	SST	

CRYO-MACH SERIES – RATIO BELT BOX FOR 284-286TC MOTOR

2.29 RATIO BELT BOX PARTS LIST

Cross Section Drawing No.	Qty	Part Number	Description	Material	Notes
1	1	CRY-711123	Belt Box	Alum.	
2	1	CRY-300H300	Timing Belt	Rubber	
4	4	CRY-SS10-24-250	Socket Head Set Screw	Brass	
5	1	-	Key	Steel	w/pump assy.
6	1	CRY-840426	Pulley, 21H300 1-3/16	Steel	
7	1	CRY-SF48H300	Pulley, Motor	Steel	
8	1	-	Key	Steel	w/motor
9	1	-	Motor		Contact factory
10	1	CRY-QDSF-1875	Bushing, Motor	Steel	
11	3	-	Hex Head Bolt	Steel	w/item 10
12	3	-	Lock Washer	Steel	w/item 10
13	4	CRY-HB816-13-1500	Hex Head Bolt	SST	
14	4	CRY-LW816-125	Lock Washer	SST	
15	4	CRY-FW816-063	Flat Washer	SST	
16	4	CRY-HB416-20-750	Hex Head Bolt	SST	
17	4	CRY-LW416-062	Lock Washer	SST	
18	4	CRY-FW416-063	Flat Washer	SST	
19	1	CRY-720129	Belt Box Fan	Alum.	
20	1	CRY-720215	Belt Box Cover	Alum.	
21	1	CRY-711108	Belt Box Port Cover	Alum.	
22	3	CRY-SH616-16-3000	Socket Head Cap Screw	SST	
23	3	CRY-LW616-094	Lock Washer	SST	
24	3	CRY-FW616-062	Flat Washer	SST	
25	3	CRY-HB416-20-1500	Hex Head Bolt	SST	
26	3	CRY-LW416-062	Lock Washer	SST	
27	3	CRY-FW416-063	Flat Washer	SST	
28	1	-	Cold End		Contact factory
29.1	4	CRY-HB616-16-1375	Hex Head Bolt	SST	For two stage
29.2	4	CRY-HB616-16-1125	Hex Head Bolt	SST	For single stage
30	4	CRY-LW616-094	Lock Washer	SST	
31	4	CRY-FW616-062	Flat Washer	SST	
32.1	1	CRY-730620	Adaptor	Alum.	280 fr. mtr.
32.2	1	CRY-751025	Adaptor	Alum.	320 fr. mtr.
33.1	4	CRY-HB1016-11-1500	Hex Head Bolt	SST	
33.2	4	CRY-HB816-13-1250	Hex head Bolt	SST	
34.1	4	CRY-LW1016-156	Lock Washer	SST	
34.2	4	CRY-LW816-125	Lock Washer	SST	
35.1	4	CRY-FW1016-063	Flat Washer	SST	
35.2	4	CRY-FW816-063	Flat Washer	SST	

CRYO-MACH SERIES – RATIO BELT BOX FOR 284-286TC MOTOR

2.4 RATIO BELT BOX PARTS LIST

Cross Section Drawing No.	Qty	Part Number	Description	Material	Notes
1	1	CRY-711124	Belt Box	Alum.	
2	1	CRY-300H300	Timing Belt	Rubber	280 fr. mtr.
3	1	CRY-TB1215-1187	Pump Bushing	Steel	
4	2	-	Set Screw	Steel	w/item 3
5	1	-	Key	Steel	w/pump assy.
6.1	1	CRY-TB20H200	Pump Pulley	Steel	210-250 fr. mtr.
6.2	1	CRY-TB20H300	Pump Pulley	Steel	280 fr. mtr.
7.1	1	CRY-SF48H200	Pulley, Motor	Steel	210-250 fr. mtr.
7.2	1	CRY-SF48H300	Pulley, Motor	Steel	280 fr. mtr.
8	1	-	Key	Steel	w/motor
9	1	-	Motor		Contact factory
10.1	1	CRY-QDSF-1625	Bushing, Motor	Steel	250 fr. mtr.
10.2	1	CRY-QDSF-1875	Bushing, Motor	Steel	280 fr. mtr.
10.3	1	CRY-SF-42MM	Bushing, Motor	Steel	280 fr. mtr. 42mm
11	3	-	Hex Head Bolt	Steel	w/item 10
12	3	-	Lock Washer	Steel	w/item 10
13	4	CRY-HB816-13-1250	Hex Head Bolt	SST	
14	4	CRY-LW816-125	Lock Washer	SST	
15	4	CRY-FW816-063	Flat Washer	SST	
16	4	CRY-HB416-20-750	Hex Head Bolt	SST	
17	4	CRY-LW416-062	Lock Washer	SST	
18	4	CRY-FW416-063	Flat Washer	SST	
19	1	CRY-720129	Belt Box Fan	Alum.	
20	1	CRY-720215	Belt Box Cover	Alum.	
21	1	CRY-711108	Belt Box Port Cover	Alum.	
22.1	3	CRY-SH616-16-2000	Socket Head Cap Screw	SST	210-250 fr. mtr.
22.2	3	CRY-SH616-16-2500	Socket Head Cap Screw	SST	280 fr. mtr.
23	3	CRY-LW616-094	Lock Washer	SST	
24	3	CRY-FW616-062	Flat Washer	SST	
25	3	CRY-HB416-20-1500	Hex Head Bolt	SST	
26	3	CRY-LW416-062	Lock Washer	SST	
27	3	CRY-FW416-063	Flat Washer	SST	
28	1	-	Cold End		Contact factory
29.1	4	CRY-HB616-16-1125	Hex Head Bolt	SST	for 1x2x6
29.2	4	CRY-HB616-16-1375	Hex Head Bolt	SST	for 1x2x6-2S
30	4	CRY-LW616-094	Lock Washer	SST	
31	4	CRY-FW616-062	Flat Washer	SST	
32.1	1	CRY-730620	Adaptor	Alum.	280 fr. mtr.
32.2	1	CRY-751025	Adaptor	Alum.	320 fr. mtr.
33.1	4	CRY-HB1016-11-1500	Hex Head Bolt	SST	
33.2	4	CRY-HB816-13-1250	Hex Head Bolt	SST	
34.1	4	CRY-LW1016-156	Lock Washer	SST	
34.2	4	CRY-LW816-125	Lock Washer	SST	
35.1	4	CRY-FW1016-063	Flat Washer	SST	
35.2	4	CRY-FW816-063	Flat Washer	SST	

