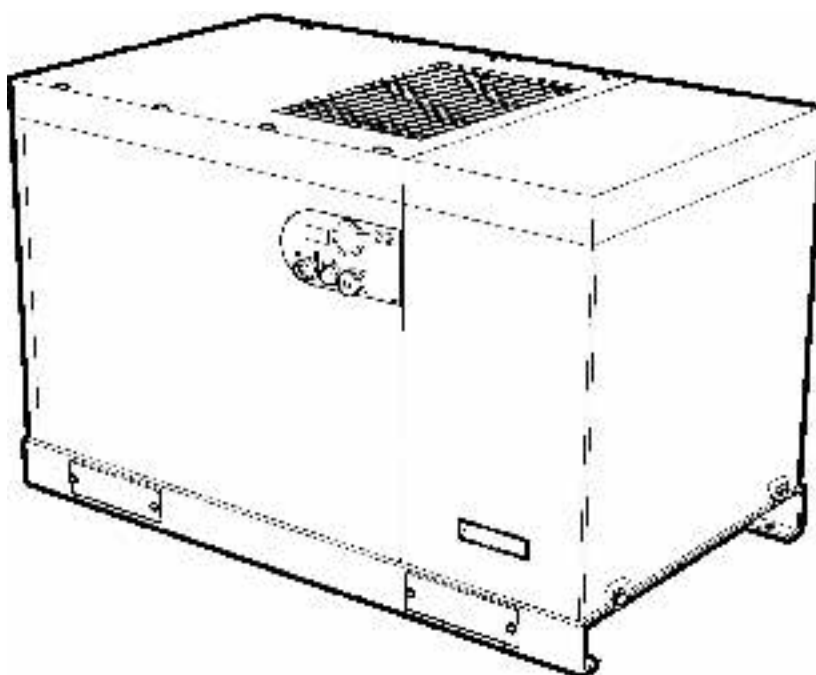




PARTS CATALOGUE

IRN 7.5 - 15 HP (5.5 - 11 kW)



bg	РЪКОВОДСТВО ЗА ЧАСТИ
cs	KATALOG DÍLŮ
da	RESERVEDELSKATALOG
de	ERSATZTEILLISTE
el	ΚΑΤΑΛΟΓΟΣ ΕΞΑΡΤΗΜΑΤΩΝ
en	PARTS CATALOGUE
es	LISTA DE REPUESTOS
et	OSADE SPETSIFIKATSIOON
fr	VARAOSALUETTELO
fr	CATALOGUE DE PIÈCES DÉTACHÉES
hu	ALKATRÉSZ-KATALÓGUS
it	LISTA RICAMBI
It	DALIŲ KATALOGAS

lv	DETAĻU KATALOGS
mt	KATALOGU TAL-PARTIJET
nl	ONDERDELENKATALOGUS
no	RESERVEDELSKATALOG
pl	KATALOG CZĘŚCI
pt	LISTA DE PEÇAS
ro	MANUAL DE PIESE
ru	КАТАЛОГ ДЕТАЛЕЙ
sk	KATALOG DIELOV
sl	KATALOG DELOV
sv	RESERVEDELSKATALOG
zh	零件目录

C.C.N. : 80445331
REV. : A
DATE : NOVEMBER 2008

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ABBREVIATIONS & SYMBOLS

####	Contact Ingersoll Rand for serial number	WC	Watercooled machine
->####	Up to Serial No.	AC	Aircooled machine
####->	From Serial No.	ERS	Energy recovery system
*	Not illustrated	T.E.F.C.	Totally enclosed fan cooled motor (IP54)
†	Option	O.D.P.	Open drip proof (motor)
NR	Not required	ppm	parts per million
AR	As required		
SM	Sitemaster/Sitepack		
HA	High ambient machine		

General

This manual, which contains an illustrated parts breakdown, has been prepared as an aid in identifying and ordering parts for the machine. All of the parts, listed in the parts breakdown, are manufactured with the same precision as the original equipment.

Ingersoll Rand Company service facilities and parts are available worldwide. There are **Ingersoll Rand** Company Branch Offices and authorised distributors located in the principle cities of the United States. In Canada, our customers are serviced by the Canadian **Ingersoll Rand** Company, Limited. There are also **Ingersoll Rand** Company subsidiaries and authorised distributors located in the principle cities throughout the world.

Description

The illustrated parts breakdown identifies the various assemblies, sub-assemblies and detailed parts which make up this machine.

A series of illustrations show each part clearly and in its correct location relative to the other parts in the illustration. Each part in an illustration is referenced with a number. The number, description and quantity needed per assembly are listed in numerical order on the following pages.

How to use this parts manual

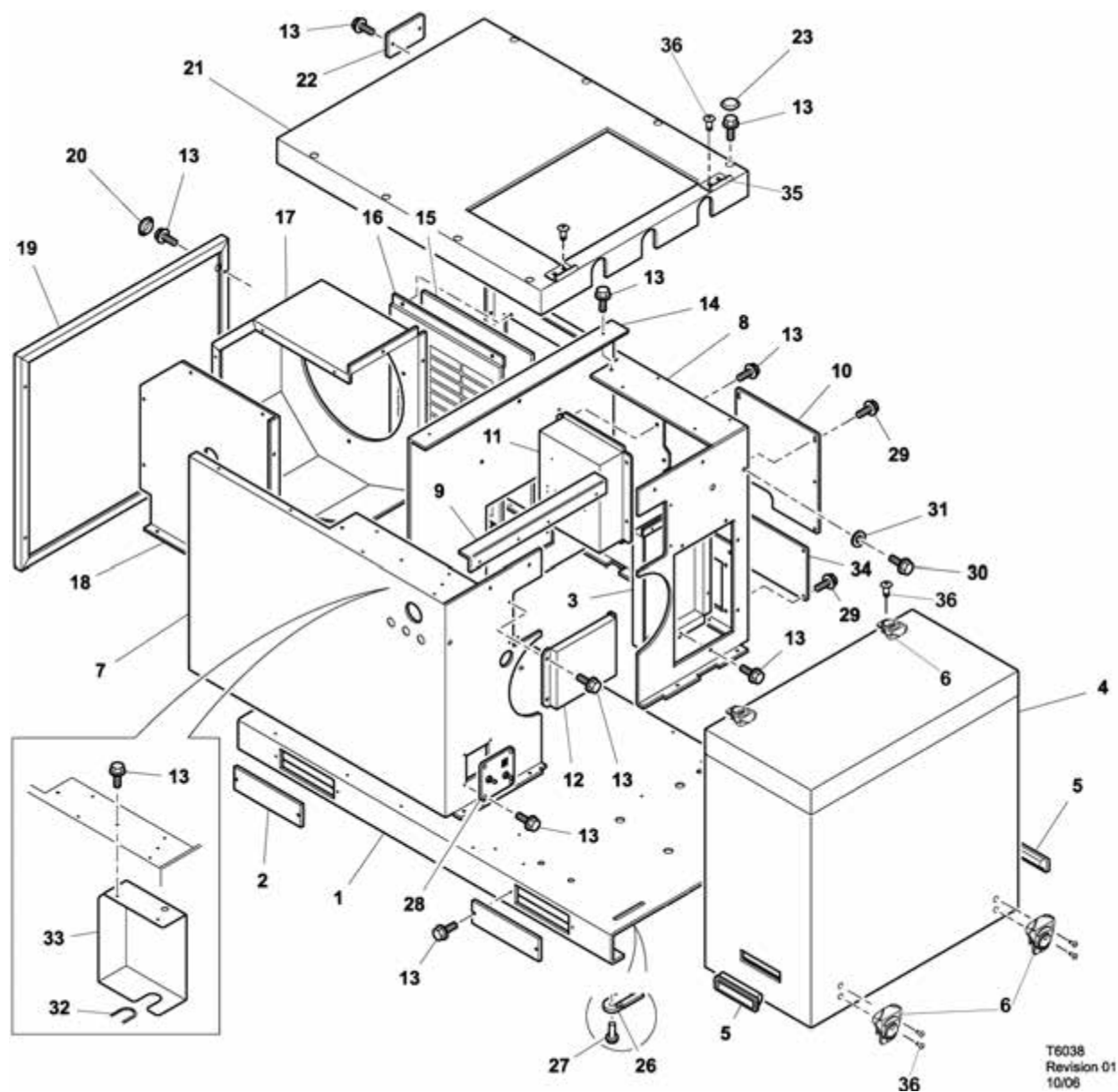
1. Locate the desired illustration.
2. Locate the part on the illustration by visual identification and note the reference number.
3. Find the reference number on the tabulated page, along with the Part Number and Description.

How to order parts

In order that all avoidable errors be eliminated when ordering parts, please specify the following:

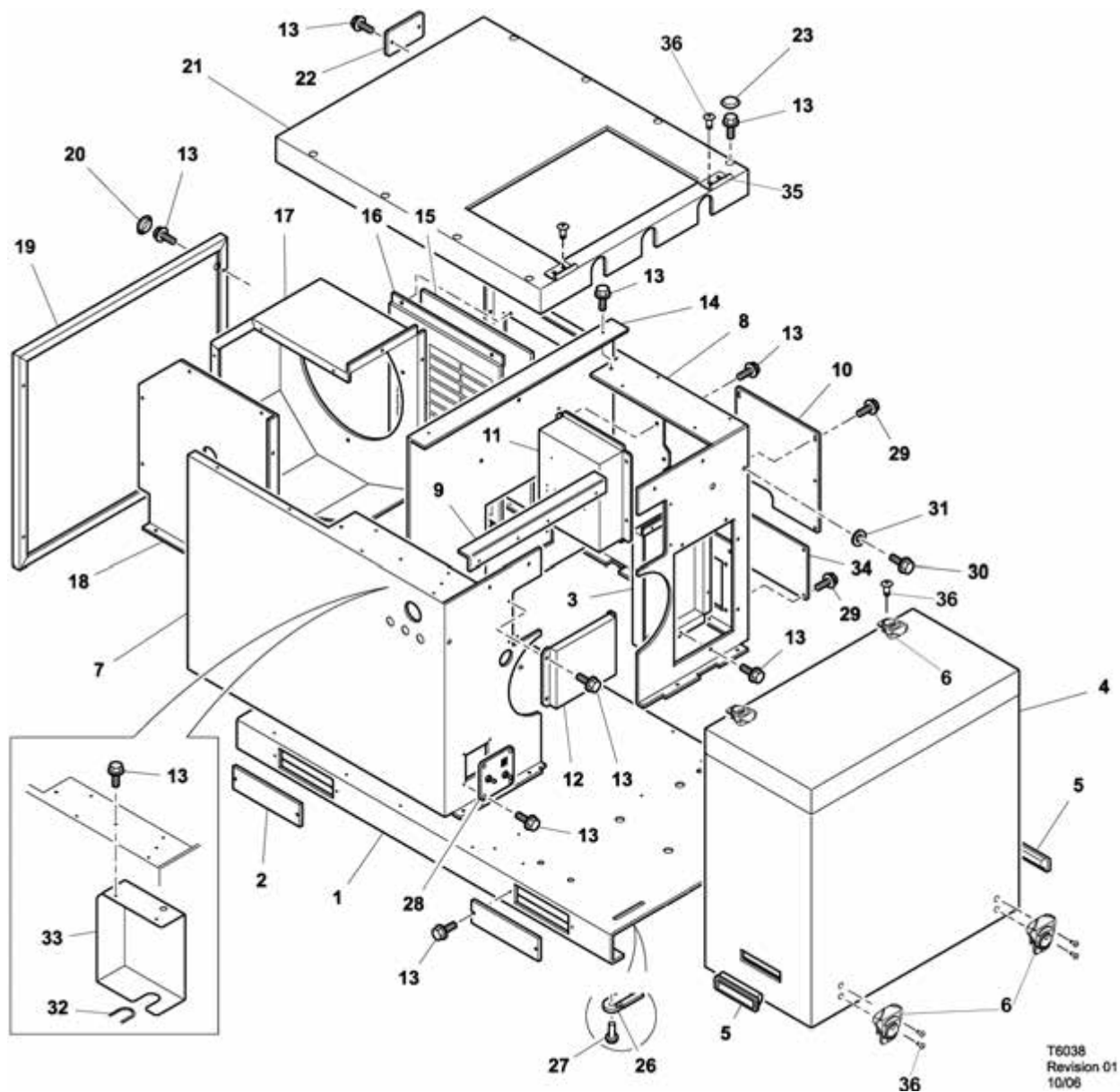
1. The model number of the unit as shown on the Compressor Data Plate.
2. The serial number of the unit as shown on the Compressor Data Plate.
3. The part number of this manual.
4. The part number, description and quantity needed exactly as listed.
5. The motor data code shown on the motor data plate.

ENCLOSURE



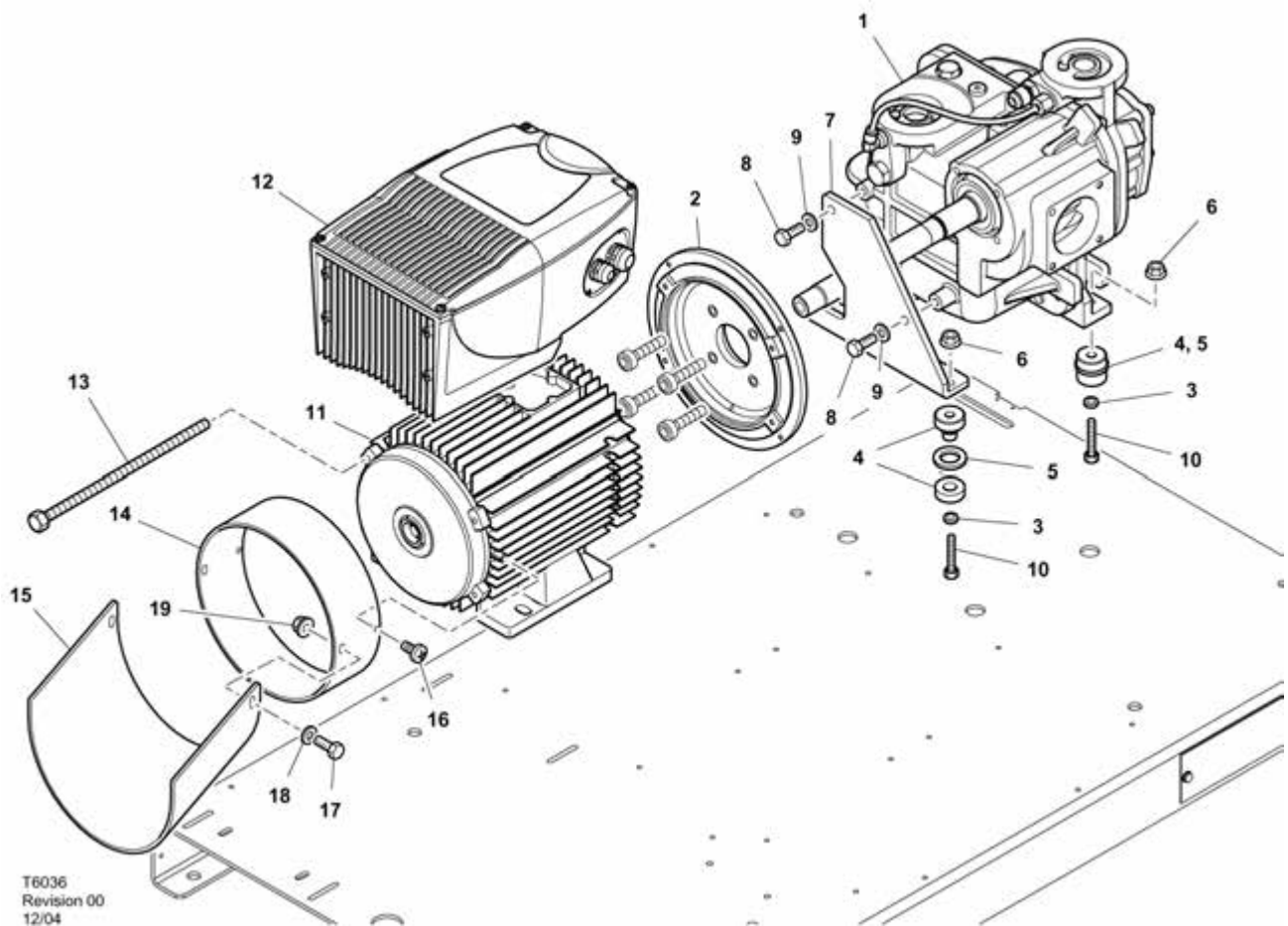
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	42579870	1	Sub-base	11	22867238	1	Panel, electrical
2	22058580	4	Cover	12	22423339	1	Cover
3	22867253	1	Panel	13	92368687	AR	Screw
4	22598072	1	Enclosure	14	22489041	1	Panel
5	22355226	2	Handle	15	22363725	1	Pre Filter
6	22544944	4	Latch	16	22393177	1	Grille
7	22489017	1	Panel, front	17	22489066	1	Housing, blower
8	22863823	1	Panel, rear	18	22489058	1	Housing, blower
9	22380398	1	Support	19	22489033	1	Panel, blower guard
10	22597246	1	Panel, access				

ENCLOSURE (CONT.....)



Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
20	22053433	4	Cap, (beige)	29	96716105	10	Screw
21	22548051	1	Panel, top	30	39917489	2	Screw
22	22382154	1	Cover	31	22545099	2	Washer
	22524540	1	Cover BP	32	22398572	1	Grommet
	22528236	1	Cover BP (TAS)	33	22597652	1	Cover
23	23380422	8	Cap	34	39117312	1	Cover
26	22544951	2	Latch	35	22850457	2	Keeper, Latch
27	92512540	4	Rivet	36	23073299	12	Rivet
28	22556153	1	Panel, instrument (TAS)				
	22380042	1	Panel, instrument (Without air treatment system)				

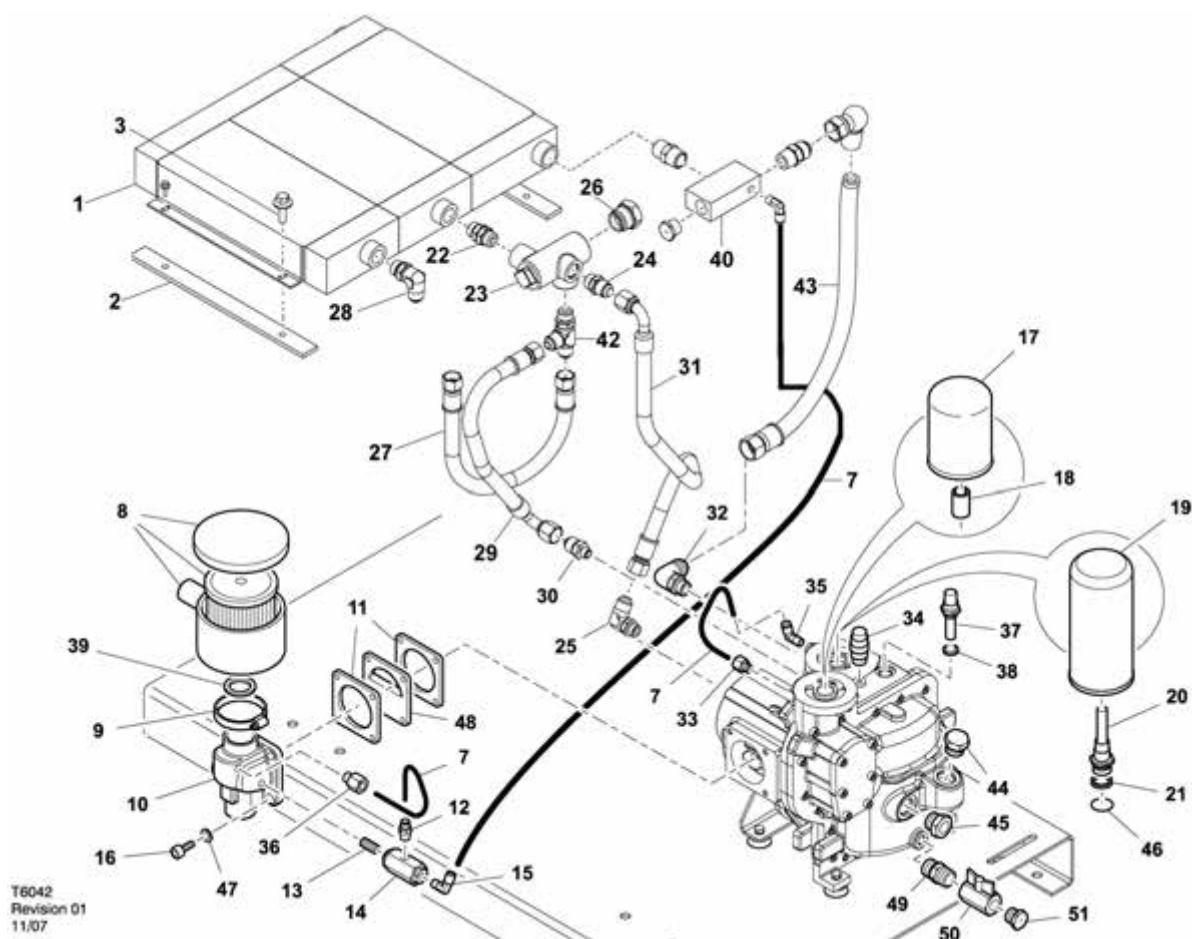
MOTOR/AIREND ASSEMBLY



Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1-2	22465918	1	Airend	12	"See note"	1	Drive assembly (Low voltage)
2	22237630	1	Plate, drive		"See note"	1	Drive assembly (High voltage)
3	96740188	4	Washer	13	22311609	4	Screw
4	22355341	4	Mount, airend	14	22365209	1	Ring
5	96726971	8	Washer	15	22403869	1	Deflector (Low voltage only)
6	96704416	4	Nut	16	22475826	2	Screw
7	22288633	1	Support	17	96716105	2	Screw
8	96702824	2	Screw	18	96705199	2	Washer
9	96728316	2	Washer	19	96742747	2	Nut
10	96712252	4	Screw				
11	22975551	1	Motor, (Low voltage)				
	22975569	1	Motor, (High voltage)				

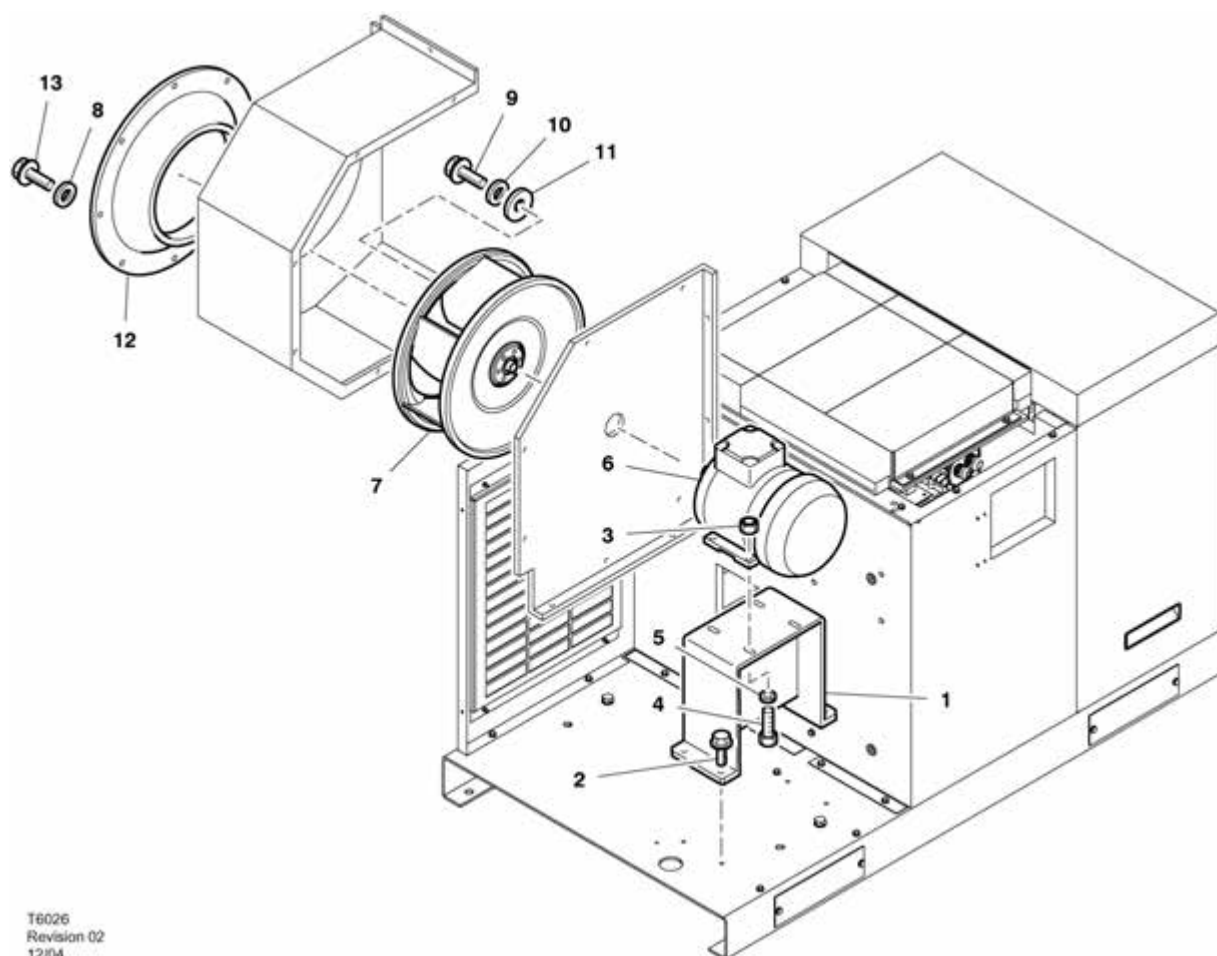
NOTE: See "CONVERSION KITS" section.

COOLING SYSTEM

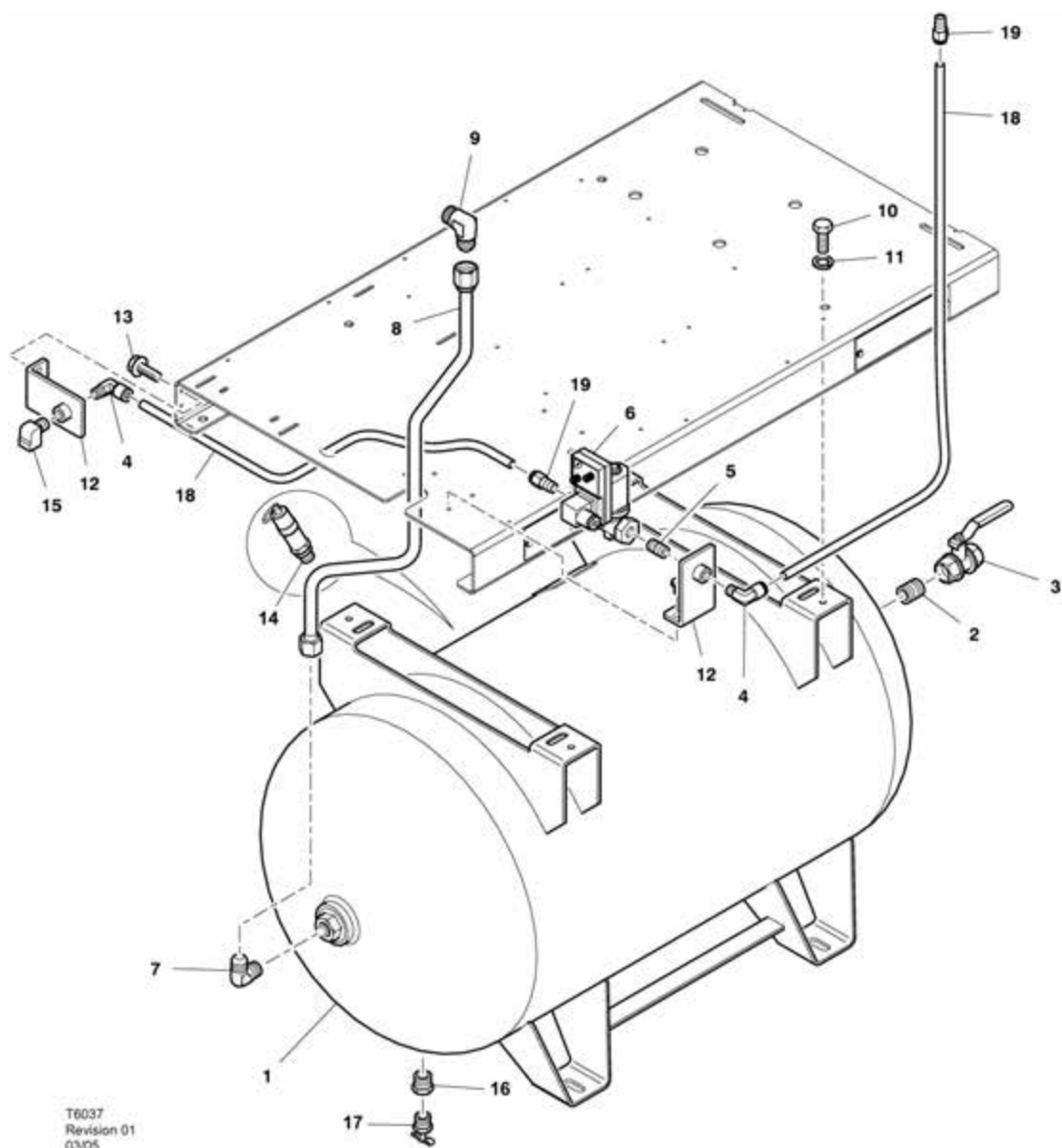


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22517767	1	Cooler, Oil/Air	27	85559573	1	Hose assembly
2	22377857	2	Pad	28	96746078	1	Elbow
3	39917489	4	Screw	29	22519672	1	Hose assembly
4	22463368	1	Actuator	30	96746060	1	Connector
5	22856991	1	Cage	31	85560167	1	Hose assembly
6	22186696	1	Spring	32	95984563	1	Elbow
7	92490358	AR	Tube (Nylon)	33	22380216	1	Valve, check
8	89243778	1	Filter assembly	34	22378665	1	Valve, relief (ASME)
9	95235156	1	Clamp		22401590	1	Valve, relief (PED)
10	22937742	1	Valve, inlet	35	92067933	1	Elbow
11	54636501	2	Gasket	36	22601926	1	Adaptor
12	92788959	1	Connector	37	22275879	1	High air temperature switch
13	92354539	1	Nipple	38	39404165	1	'O' Ring
14	22995427	1	Valve, blowdown	39	89246078	1	Seal, Spacer
15	92067933	1	Elbow	40	23134430	1	Valve, minimum pressure
16	96708060	4	Screw	41	-		
17	39329602	1	Filter	42	96746086	1	Tee
18	39328943	1	Nipple	43	22708440	1	Hose assembly
19	22388045	1	Element, separator	44	22182265	1	Cap
20	22232813	1	Stem	45	39324496	1	Sight-glass
21	95025466	1	'O' Ring	46	95022133	1	'O' Ring
22	22305965	1	Connector	47	96704671	4	Washer
23	22456214	1	Manifold	48	22471817	1	Base
24	96746052	1	Connector	49	22476618	1	Adaptor
25	95992871	1	Elbow	50	22456388	1	Valve, drain
26	22186688	1	Plug	51	22476667	1	Plug

COOLING SYSTEM

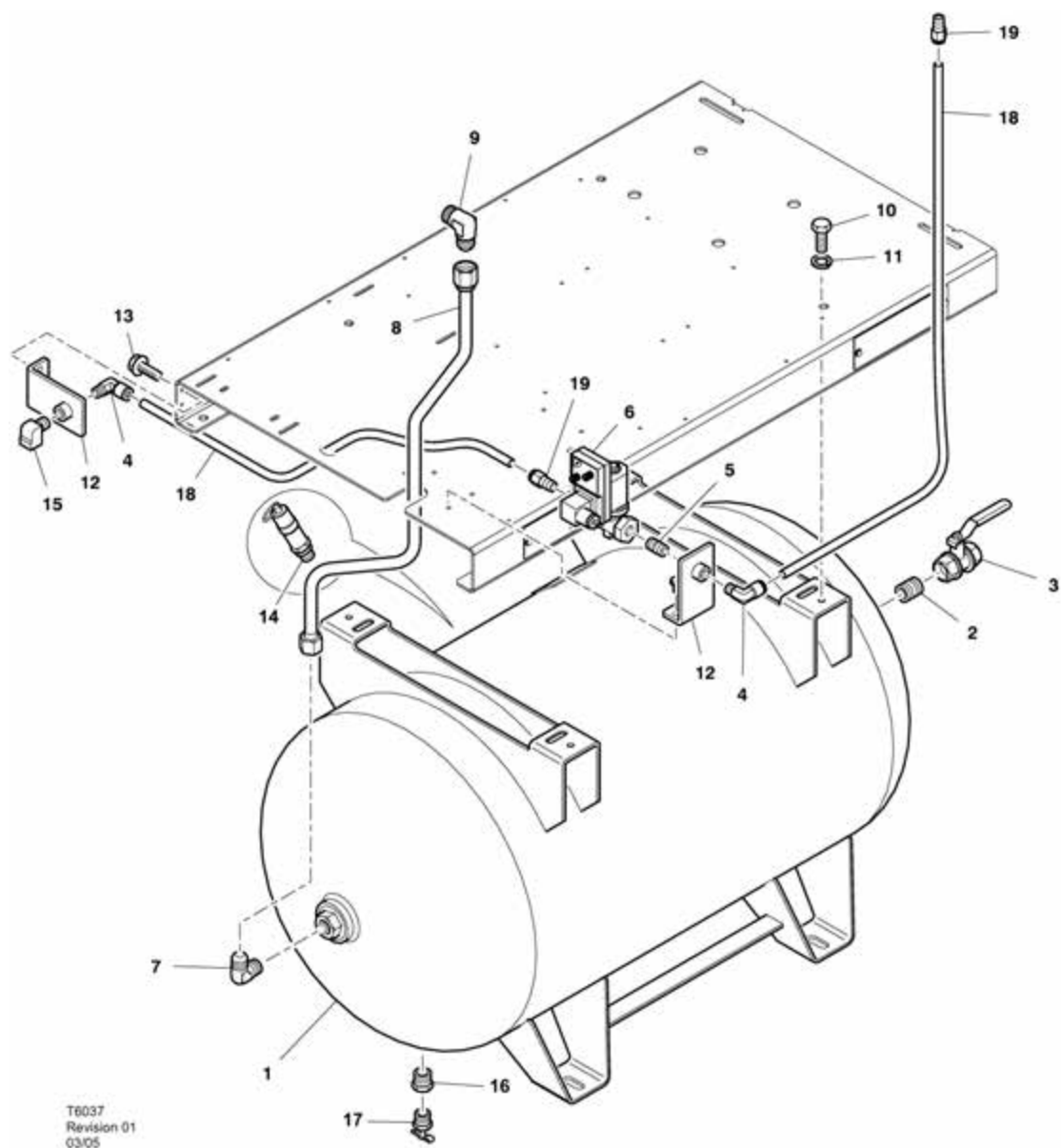


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22354047	1	Support	7	22482210	1	Blower
2	96704408	4	Screw	8	96745559	4	Washer
3	96704234	4	Nut	9	96740980	1	Screw
4	96714340	4	Screw	10	96742788	1	Washer
5	96727573	4	Washer	11	96740287	1	Washer
6	22362180	1	Motor 50/60Hz. (High voltage)	12	54747423	1	Cone
	22383491	1	Motor 60Hz. (Low voltage)	13	39917489	4	Screw



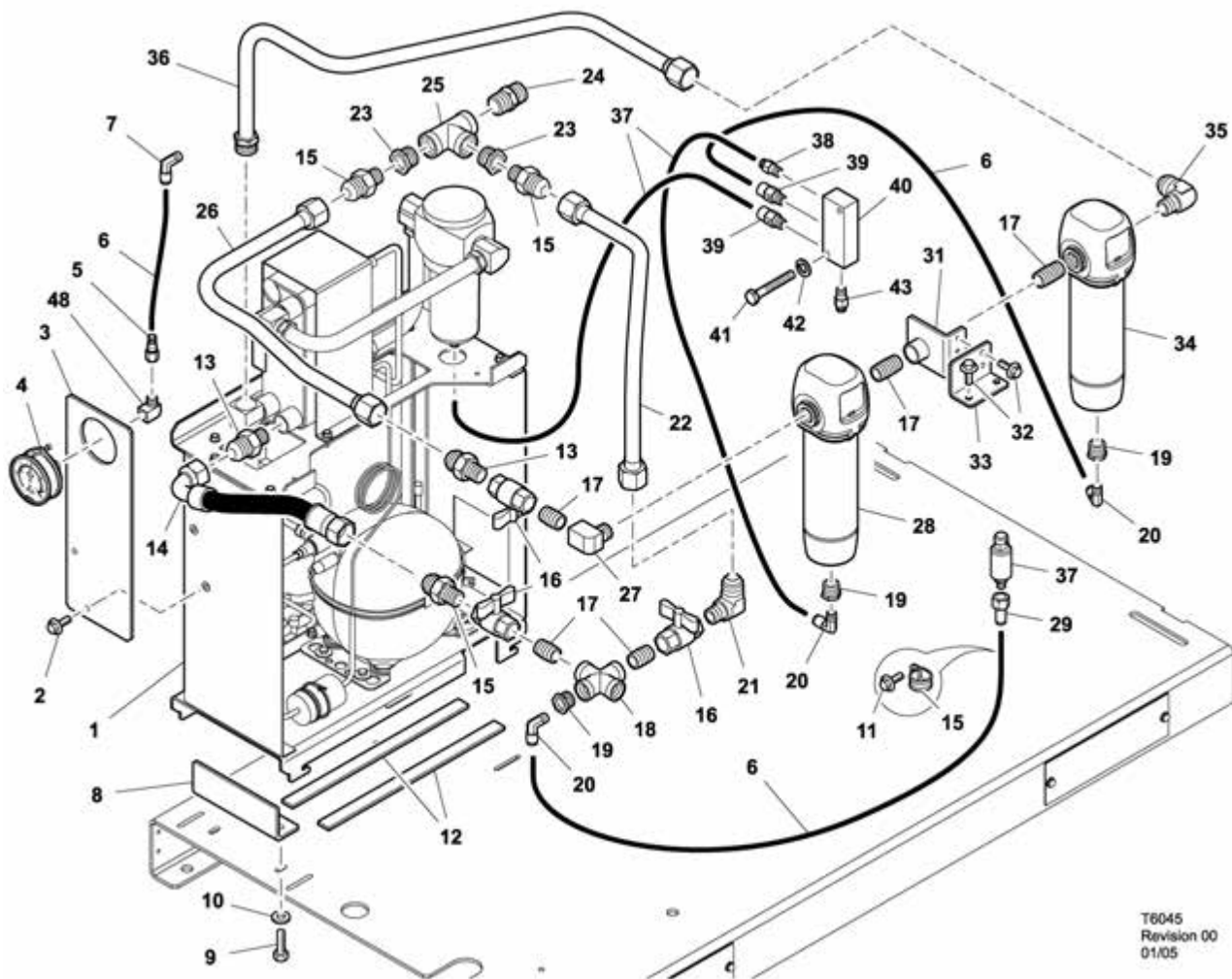
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22325500	1	Tank 80 Gal.	8	22532246	1	Tube assembly 80 Gal
	22348296	1	Tank 120 Gal.				(Without air treatment system)
	22348304	1	Tank 272 Litre.	22535520	1	Tube assembly 80 Gal (TAS)	
	22348312	1	Tank 500 Litre.	22532253	1	Tube assembly 120 Gal	
2	95458808	1	Nipple				(Without air treatment system)
	92255934	1	Nipple	22535546	1	Tube assembly 120 Gal (TAS)	
3	32106569	1	Valve, ball	22524599	1	Tube assembly 272 Litre	(Without air treatment system)
	93179661	1	Valve, ball	22535553	1	Tube assembly 272 Litre (TAS)	
4	39155650	2	Elbow	22532261	1	Tube assembly 500 Litre	
5	95667341	1	Nipple				(Without air treatment system)
6	22612931	1	Valve, drain	22535561	1	Tube assembly 500 Litre (TAS)	
7	95937637	1	Elbow NPT	85560886	1	Hose assembly BP (TAS)	
	92176692	1	Elbow BSPT				

TANK ASSEMBLY (CONTD.....)



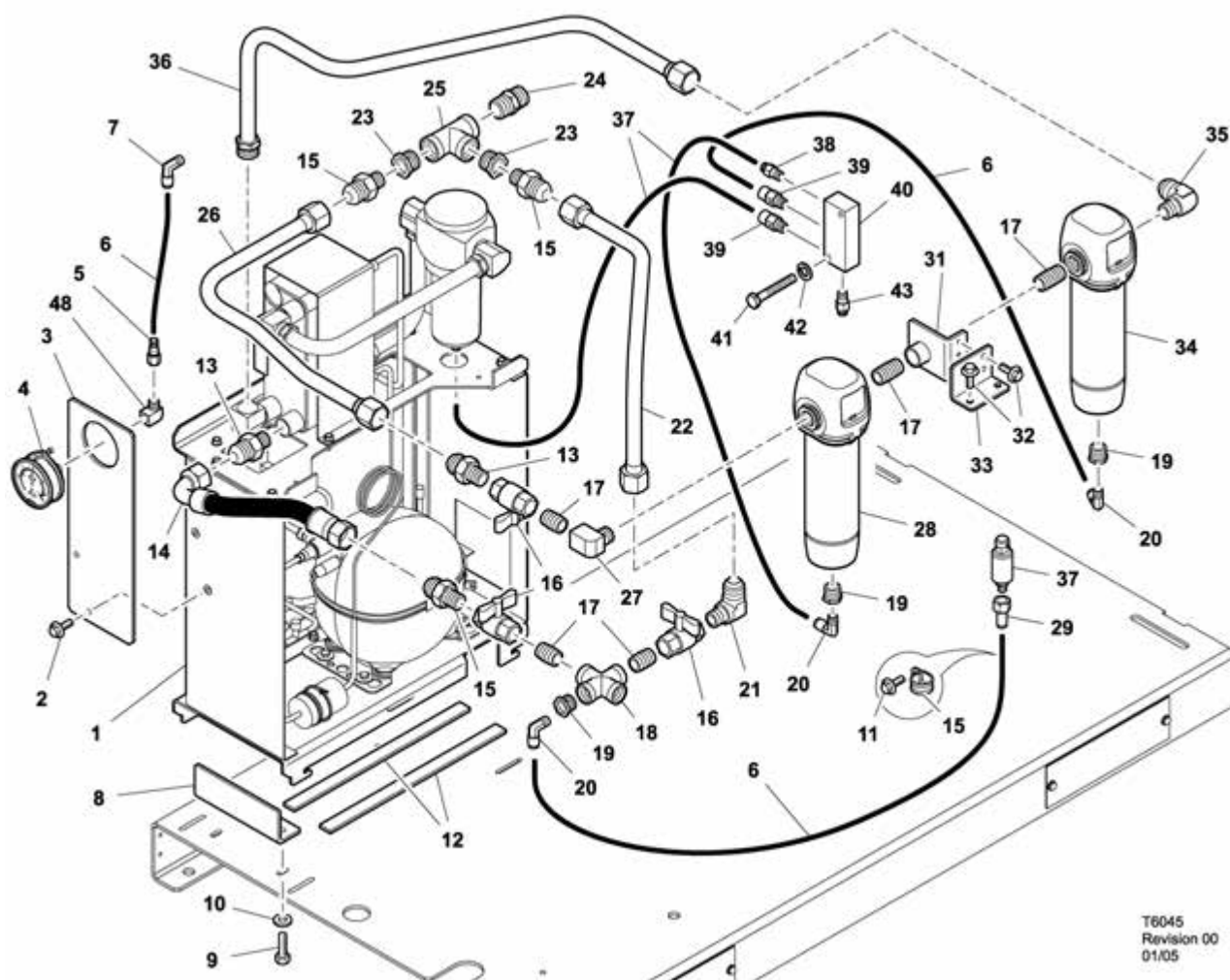
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
9	95279543	1	Elbow NPT-1/2	15	37143542	1	Elbow
*	92106210	1	Connector BSPT-3/4	16	95037412	1	Bush, reducing
10	96719869	4	Screw		92354380	1	Bush, reducing
11	96739933	4	Lockwasher	17	32027120	1	Valve, drain
12	22457824	2	Bracket EDV		92258706	1	Valve, drain
13	92368687	4	Screw	18	39124821	AR	Tube (Nylon)
14	22052450	1	Valve, safety (ASME)	19	39156419	2	Connector
	22401590	1	Valve, safety (PED)				

DRYER ASSEMBLY



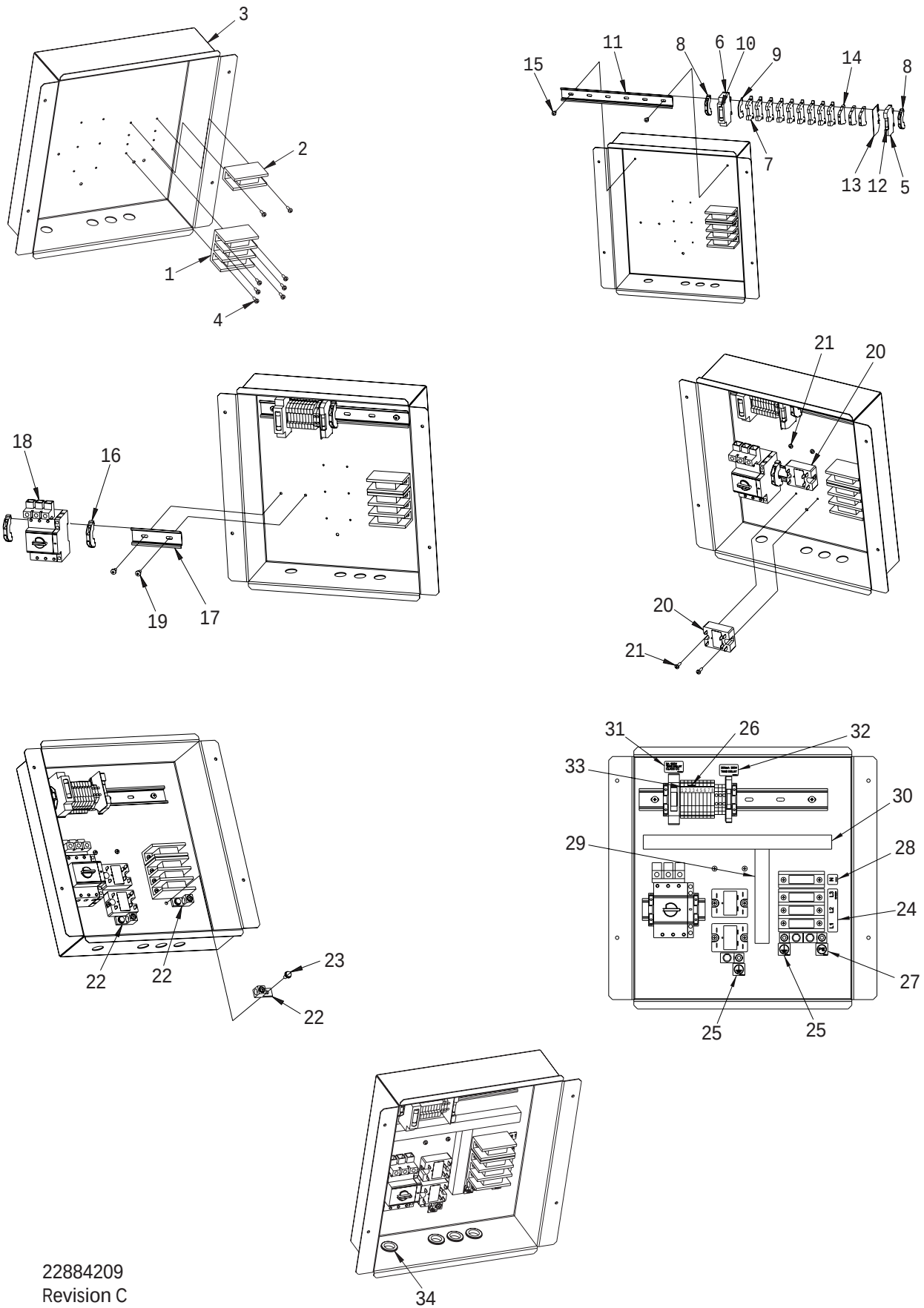
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	42578732	1	Dryer X1015 60Hz	19	95245361	3	Bush, reducing
	42578740	1	Dryer 50Hz	20	22601389	3	Elbow
2	96717525	2	Screw	21	95279543	1	Elbow
3	22548713	1	Panel	22	22533749	1	Tube assembly
4	22487110	1	Gauge, pressure	23	95953949	2	Bush, reducing
5	22420376	1	Adaptor	24	92255934	1	Connector
6	92490358	AR	Tube (Nylon)	25	95497285	1	Tee
7	54403266	1	Elbow	26	22533723	1	Tube assembly
8	22495873	1	Bracket	27	16545998	1	Elbow
9	96701958	2	Screw	28	42515825	1	Filter
10	96705199	2	Washer	*	88342993	1	Element IRGP64
11	39917489	1	Screw	29	22420046	1	Adaptor
12	85038412	2	Gasket	31	22532519	1	Bracket
13	95279378	5	Adaptor	32	92368687	2	Screw
14	85560209	1	Hose assembly	33	22532501	1	Bracket
15	22410674	1	Clamp	34	42515957	1	Filter
16	54450176	3	Valve, ball	*	88343025	1	Element IRHE64
17	95934279	5	Nipple				
18	95828661	1	Cross				

DRYER ASSEMBLY (CONTD.....)



Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
35	95279543	1	Elbow	42	96727573	2	Lockwasher
36	22533731	1	Tube assembly	43	39156419	1	Connector
37	22359632	1	Transducer, pressure	44	22359632	1	Transducer, pressure
38	22601371	3	Adaptor	45	22420046	1	Adaptor
39	22602197	2	Valve, check	46	22410674	1	Clamp
40	22480107	1	Manifold	47	39917489	1	Screw
41	96706809	2	Screw	48	37143542	1	Elbow

ELECTRICAL PANEL ASSEMBLY

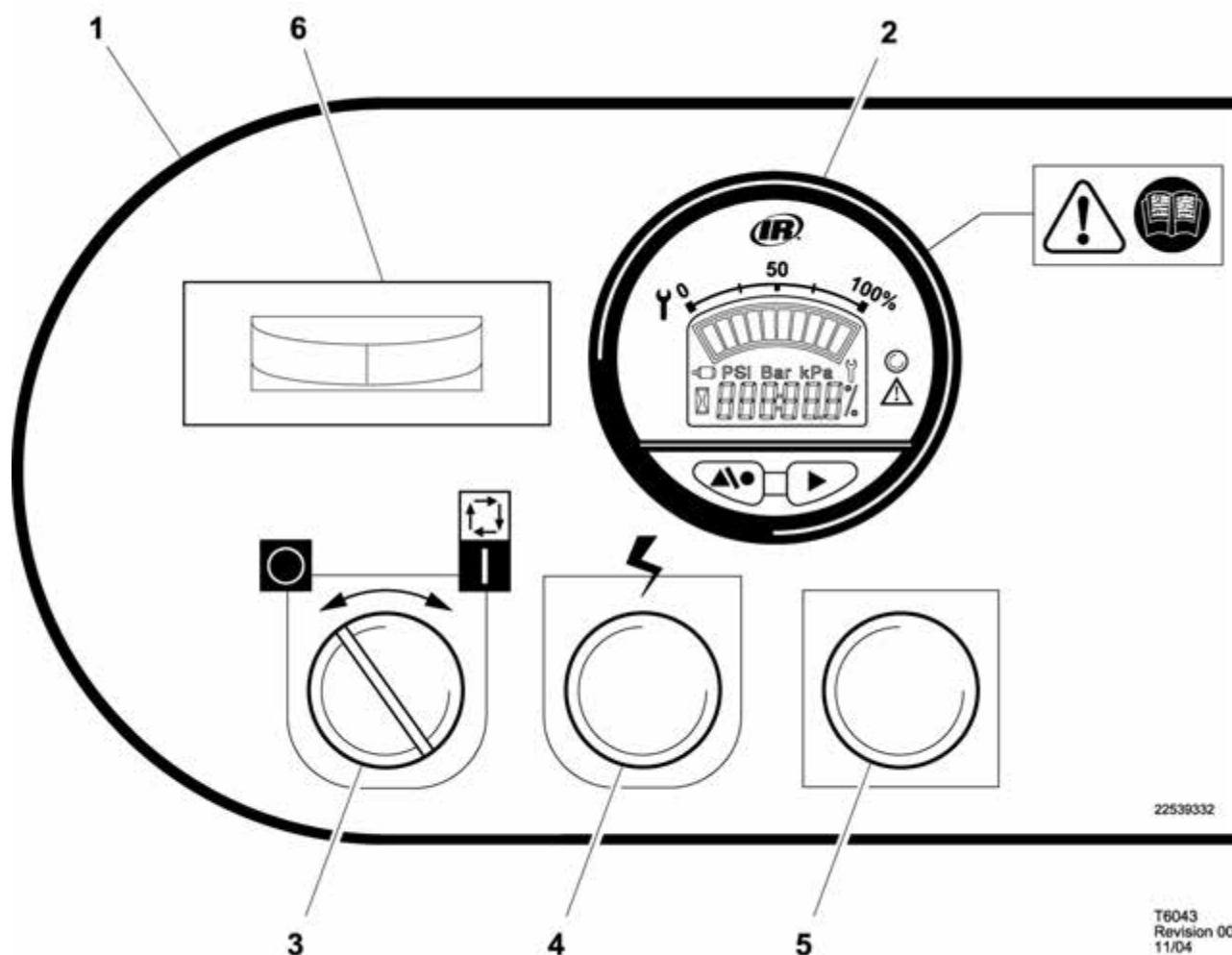


22884209
Revision C

ELECTRICAL PANEL ASSEMBLY (CONTD

Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22288237	1	BLOCK, POWER (PROJECT X)	19	96738828	2	SCREW, MACHINE PAN HEAD TYPE H M5 X 10.0 LONG
2	22628416	1	BLOCK, POWER 1-POLE 600V				
3	22867238	1	PANEL, ELECTRICAL NIRVANA 7-15HP/5-11KW	20		2	RELAY, SOLID STATE
4	96705405	8	SCREW, M4 X 16 PHILLIPS PAN HD. 13M2AB158M3	21	96705405	6	SCREW, M4 X 16 PHILLIPS PAN HD. 13M2AB158M3
5	22071823	1	BLOCK, TERMINAL FUSE	22	32342123	3	LUG, GROUNDING
6		1	HOLDER, FUSE (1-POLE)	23	92368687	3	TAPTITE SCREW M6 x 1 x 12 LG
7	22540694	9	BLOCK, TERMINAL DIN RAIL MOUNTED	24	22429294	1	DECAL, LINE CONNECTIONS 3 PHASE
8	22541064	2	STOP, DIN RAIL	25	22477244	2	DECAL, GROUND SYMBOL
9	22546899	1	STOP, END BARRIER (DIN RAIL MOUNTED)	26	22500163	1	JUMPER, TWO T/B A/B # 1492- CJJ6-2
10		1	FUSE, 9A OR 6A	27	22559413	1	DECAL, PE GROUND SYMBOL
11	22867402	1	RAIL, DIN 300mm (11.81") LONG	28	22628242	1	DECAL, LINE CONNECTIONS NEUTRAL
12		1	FUSE, 200MA OR 100MA	29	22628259	150 MM	TRUNKING, WIRE/CABLE 20mm DIA.
13	23096142	1	BARRIER, END	30	22628259	300 MM	TRUNKING, WIRE/CABLE 20mm DIA.
14	39252911	3	BLOCK, TERMINAL GND. (A-B P/N 1492-WG4)	31		1	DECAL, FUSE REPLACEMENT 9A OR 6A
15	96738828	2	SCREW, MACHINE PAN HEAD TYPE H M5 X 10.0 LONG	32		1	DECAL, FUSE REPLACEMENT 200mA OR 100mA
16	22541064	2	STOP, DIN RAIL	33	23096449	0.1	MARKER, IEC SNAP-1N, 1-8
17	22860043	1	RAIL, DIN 100mm (3.94") LONG	34	22390132	4	GROMMET, INSULATION .812" I.D. X 1.25" O.D.
18		1	STARTER, MANUAL				

INSTRUMENTATION / CONTROL PANEL



Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22539431	1	Decal (Without air treatment system)	4	22358501	1	Indicator, power on
	22355325	1	Decal (TAS)	5	22613889	1	Button, emergency stop
2	23361199	1	Indicator, service	6	22454540	1	Indicator, dew point (TAS)
3	22546725	1	Switch, ON/OFF				

DOCUMENTATION

80442981	Manual, Operation and Maintenance (Americas)
80442999	Manual, Operation and Maintenance (Europe)
80442999	Manual, Operation and Maintenance (Asia-Pacific)
80443005	Manual, Parts catalogue

CONVERSION KITS

ccn	Description
Intellikey Kits	
USA	
22974570	Kit, Intellikey (IRN-7-115-LV / IRN-7TAS-100-LV)
22974588	Kit, Intellikey (IRN-7-115-HV / IRN-7TAS-100-HV)
22974596	Kit, Intellikey (IRN-7-150-LV / IRN-7TAS-130-LV)
22974604	Kit, Intellikey (IRN-7-150-HV / IRN-7TAS-130-HV)
22974612	Kit, Intellikey (IRN-10-115-LV / IRN-10TAS-100-LV)
22974620	Kit, Intellikey (IRN-10-115-HV / IRN-10TAS-100-HV)
22974638	Kit, Intellikey (IRN-10-150-LV / IRN-10TAS-130-LV)
22974646	Kit, Intellikey (IRN-10-150-HV / IRN-10TAS-130-HV)
22974653	Kit, Intellikey (IRN-10-200-HV / IRN-10TAS-175-HV)
22974661	Kit, Intellikey (IRN-15-115-LV / IRN-15TAS-100-LV)
22974679	Kit, Intellikey (IRN-15-115-HV / IRN-15TAS-100-HV)
22974687	Kit, Intellikey (IRN-15-150-LV / IRN-15TAS-130-LV)
22974695	Kit, Intellikey (IRN-15-150-HV / IRN-15TAS-130-HV)
22974703	Kit, Intellikey (IRN-15-200-LV / IRN-15TAS-175-LV)
ESA	
22974711	Kit, Intellikey (IRN-5-8-LV / IRN-5TAS-7-LV)
22974729	Kit, Intellikey (IRN-5-8-HV / IRN-5TAS-7-HV)
22974737	Kit, Intellikey (IRN-5-10-LV / IRN-5TAS-9-LV)
22974745	Kit, Intellikey (IRN-5-10-HV / IRN-5TAS-9-HV)
22974752	Kit, Intellikey (IRN-7-8-LV / IRN-7TAS-7-LV)
22974760	Kit, Intellikey (IRN-7-8-HV / IRN-7TAS-7-HV)
22974778	Kit, Intellikey (IRN-7-10-LV / IRN-7TAS-9-LV)
22974786	Kit, Intellikey (IRN-7-10-HV / IRN-7TAS-9-HV)
22974794	Kit, Intellikey (IRN-7-14-HV / IRN-7TAS-12-HV)
22974802	Kit, Intellikey (IRN-11-8-LV / IRN-11TAS-7-LV)
22974810	Kit, Intellikey (IRN-11-8-HV / IRN-11TAS-7-HV)
22974836	Kit, Intellikey (IRN-11-10-LV / IRN-11TAS-9-LV)
22974844	Kit, Intellikey (IRN-11-10-HV / IRN-11TAS-9-HV)
22974851	Kit, Intellikey (IRN-11-14-HV / IRN-11TAS-12-HV)
Drive Kits	
22975718	Drive, shippable LV
22975726	Drive, shippable HV
Stator / Drive Kits	
22975528	Stator / Drive, (shippable) 1-15HP/5-11KW LV
22975536	Stator / Drive, (shippable) 1-15HP/5-11KW HV
22975543	Kit, stator
LV = 200 – 230V, HV = 380 – 460V	

KIT, PORO

ccn	Description
22877708	ASSY, PORO ELECTRICAL PANEL
35275494	HUB
39100136	MOD ALRM HORN W/WEATHER RESISTANT BACK BOX
39108949	LOCKNUT, .50 INCH SEALING
39146733	1/2" HOLE PLUG
92368687	SCREW, TPG M6 X 1.0 X 14 LG
95785192	NIPPLE, EXTRA STRONG .50 X 1.25 LONG
39129085	WIRE, 16 GA - (RED)
39146790	WIRE, 16GA - GREEN
39204763	WIRE, 16 GA - BLUE
22847602	FUSE, 1.25 AMP TIME DELAY, CLASS CC - 600V
22847610	FUSE, .6 AMP TIME DELAY, CLASS CC - 380-415V
39193289	FUSE, TIME DELAY 1 AMP CLASS CC
81291601	FUSE, .5 AMP CLASS CC TIME DELAY
22847628	DECAL, FUSE REPLACEMENT 1.25A 600V
22847636	DECAL, FUSE REPLACEMENT 1A 600V
22847644	DECAL, FUSE REPLACEMENT .6A 600V
22847651	DECAL, FUSE REPLACEMENT .5A 600V
22140545	DECAL, NOTICE, PORO
92978964	DECAL, POWER OUT RESTART OPTION
WITH REVISION CONTROL	
23089030	DECAL, ELECT. SCHEMATIC 3 WIRE W/ PE. 60Hz
23089048	DECAL, ELECT. SCHEMATIC 4 WIRE W/NEUTRAL & PE 50Hz
80443955	MANUAL, PORO, FIELD RETROFIT NIRVANA 7.5-15hp/5.5-18kw

KIT, HIGH DUST INLET FILTER

ccn	Description
22898183	HOSE, INLET, 2" ID, FLEXABLE
22927636	DECAL, HIGH DUST
22932560	INSTRUCTION, SHEET UNIGY PHASE 11 HIGH DUST
22978852	ASSY, FILTER HIGH DUST
95235156	CLAMP, HOSE WORM DRIVE STAINLESS STEEL
96737564	NUT, HEX FLANGE LOCK SERRATED M6- 1. 00
96742689	BOLT, HEX FLANGE M6- 1 .00 X 16.0 LONG

RECOMMENDED PARTS

ccn	Description
Start Up Kit	
23352131	Kit – Start up
Maintenance Kits	
23352198	Kit – 2000 Hour (Without air treatment system)
23352206	Kit – 2000 Hour w/ High dust filter (Without air treatment system)
23352214	Kit – 2000 Hour (TAS)
23352222	Kit – 2000 Hour w/ High dust filter (TAS)
23352230	Kit – 8000 Hour (Without air treatment system)
23352248	Kit – 8000 Hour w/ High dust filter (Without air treatment system)
23352255	Kit – 8000 Hour (TAS)
23352263	Kit – 8000 Hour w/ High dust filter (TAS)
Repair Kits	
22596548	Kit – Thermal valve rebuild
42595710	Kit – Shaft seal repair
Option Kits	
22555122	Kit – Remote fault indicator
22452619	Filter – EMC (low voltage)
22489603	Kit – Line conditioning (high voltage)
22608491	Kit, sequencing
Coolant	
92692284	UltraPlus coolant 5 L
38459582	UltraPlus coolant 20 L
92837095	UltraPlus coolant 1 L
Coolant Check	
88176367	KIT – ULTRAPLUSCHECK 1 x SAMPLE
Spare Parts	
88171913	Element, air filter
39329602	Filter, coolant
22388045	Cartridge, separator
22363725	Pre filter
22546725	Switch, on / off
22358154	Button, emergency stop
22358501	Indicator (Green)
22401590	Valve, safety (PED)
22378665	Valve, safety (ASME)
88342993	Element, filter IRGP64
88343025	Element, filter IRHE64