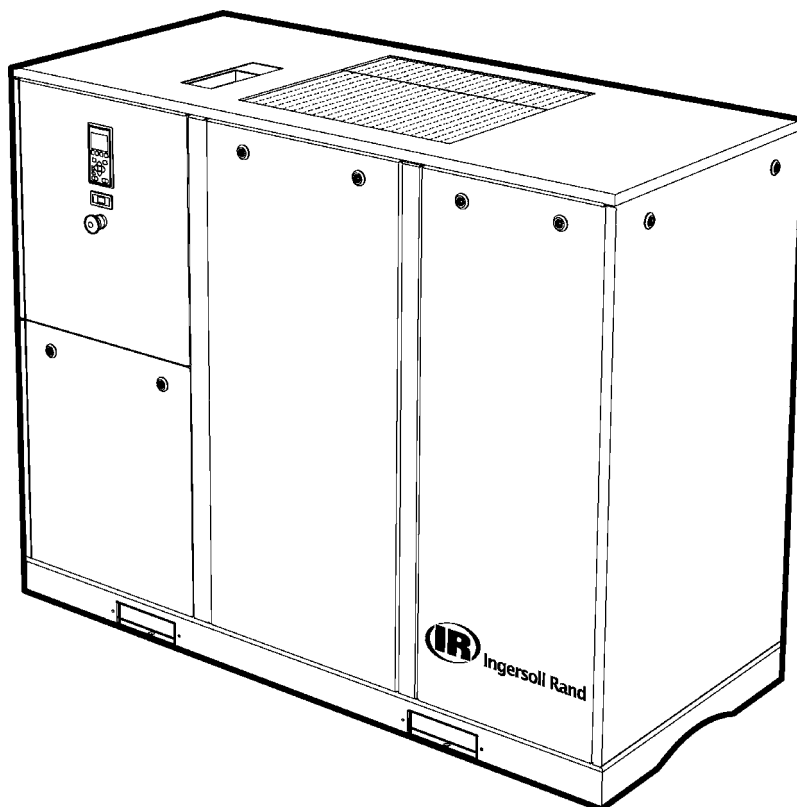




IRN 15 – 18.5 kW (20 – 25 HP)

IRN 22 – 30kW (30 – 40 HP)



cs	KATALOG DÍLŮ	lv	DETAĻU KATALOGS
da	RESERVEDELSKATALOG	mt	KATALGU TAL-PARTIJET
de	ERSATZTEILLISTE	nl	ONDERDELENKATALOGUS
el	ΚΑΤΑΛΟΓΟΣ ΕΞΑΡΤΗΜΑΤΩΝ	no	RESERVEDELSKATALOG
en	PARTS CATALOGUE	pl	KATALOG CZĘŚCI
es	LISTA DE REPUESTOS	pt	LISTA DE PEÇAS
et	OSADE SPETSIFIKATSIOON	sk	KATALÓG DIELOV
fi	VARAOSALUETTELO	sl	KATALOG DELOV
fr	CATALOGUE DE PIÈCES DÉTACHÉES	sv	RESERVEDELSKATALOG
hu	ALKATRÉSZ-KATALÓGUS	ru	КАТАЛОГ ДЕТАЛЕЙ
it	LISTA RICAMBI	zh	零件目录
lt	DALIŲ KATALOGAS		

C.C.N : 80445372

REV. : C

DATE : JANUARY 2009

Page	Description	'T' N°	Page	Description	'T' N°	Page	Description	'T' N°
1	Enclosure	T6191	11	Separation System 30–40HP / 22–30kW	T6204	23	Electrical Panel	T6201
3	Enclosure	T6192	14	Option Hi–dust filter	T6206	24	Instrumentation / Control Panel	T6202
4	Motor/Airend Assembly	T6193	15	Tank Assembly	T6196	25	Documentation	
5	Motor/Airend Assembly	T6203	17	Dryer Assembly 20–25HP / 15–18.5kW	T6199	26	Conversion Kits	
6	Cooling System	T6194	19	Dryer Assembly 30–40HP / 22–30kW	T6207	27	Recommended Parts	
8	Separation System 20–25HP / 15–18.5kW	T6197	21	Electrical System	T6200			

ABBREVIATIONS & SYMBOLS

–>####	Up to Serial No.	cs	Czech	lt	Lithuanian
####–>	From Serial No.	da	Danish	lv	Latvian, Lettish
####	Contact Ingersoll Rand for Serial No.	de	German	mt	Maltese
*	Not illustrated	el	Greek	nl	Dutch
†	Option	en	English	no	Norwegian
NR	Not required	es	Spanish	pl	Polish
AR	As required	et	Estonian	pt	Portuguese
SM	Sitemaster/Sitepack	fi	Finnish	ru	Russian
HA	High ambient machine	fr	French	sk	Slovak
WC	Watercooled machine	hu	Hungarian	sl	Slovenian
AC	Aircooled machine	it	Italian	sv	Swedish
ERS	Energy recovery system			zh	Chinese
T.E.F.C.	Totally enclosed fan cooled motor (IP55)				
O.D.P.	Open drip proof (motor)				

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

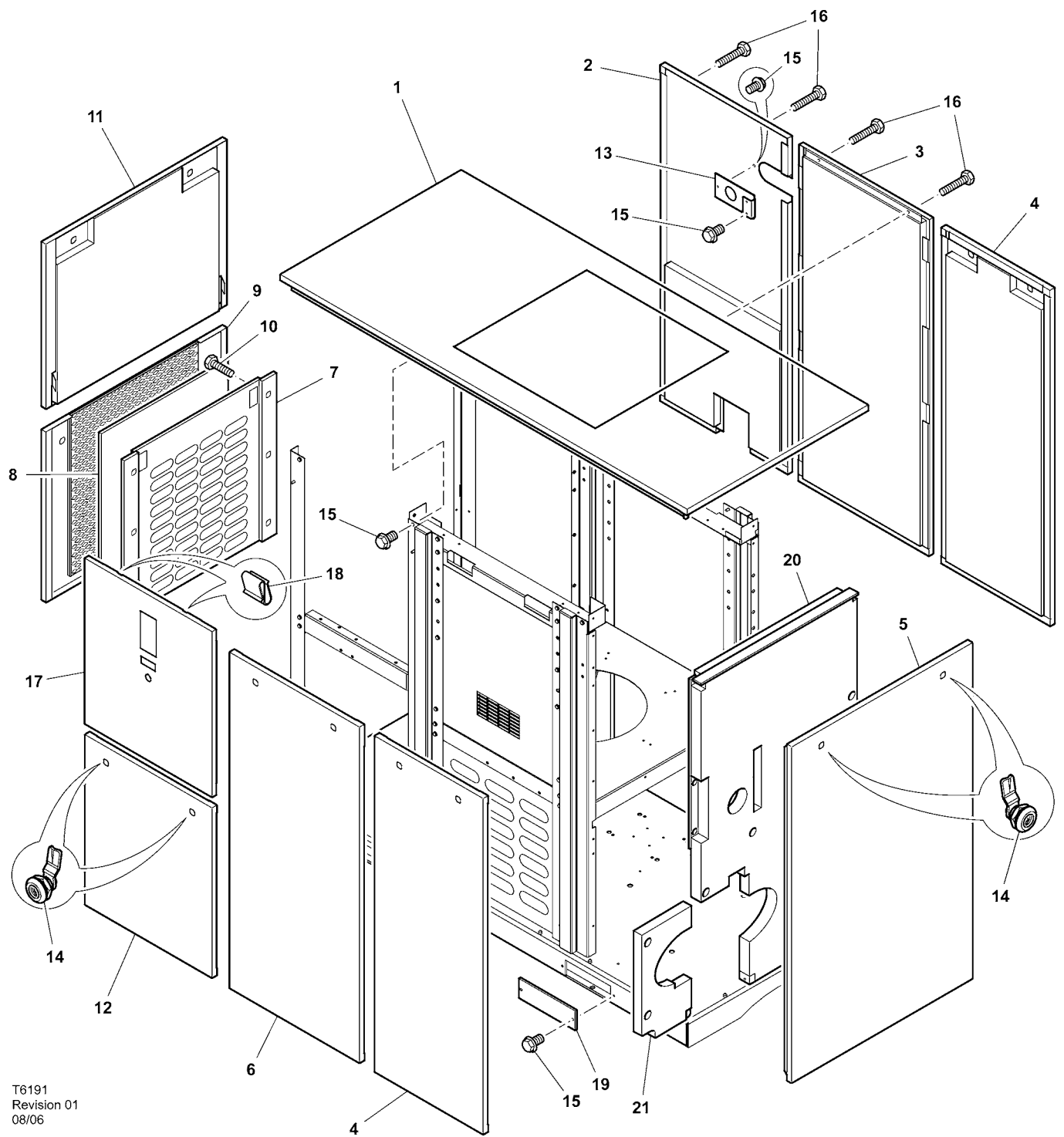
1. Locate the desired illustration.
2. Locate the part on the illustration by visual identification and note the reference number.
3. Find the reference number on the tabulated page, along with the Part Number and Description.

How to order parts

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

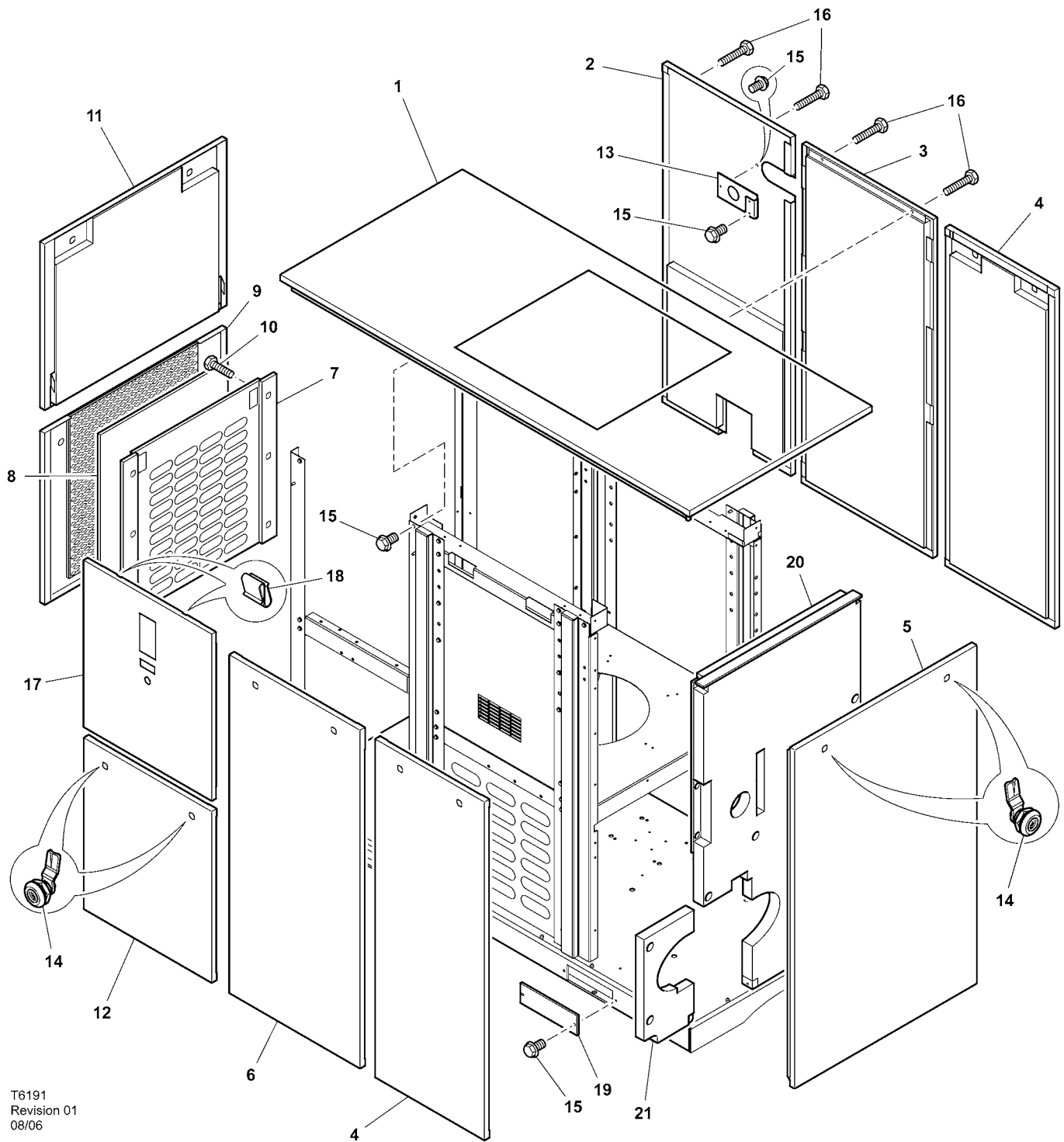
1. The model number of the unit as shown on the Compressor Data Plate.
2. The serial number of the unit as shown on the Compressor Data Plate.
3. The part number of this manual.
4. The part number, description and quantity needed exactly as listed.
5. The motor data code shown on the motor data plate.

1 ENCLOSURE



T6191
Revision 01
08/06

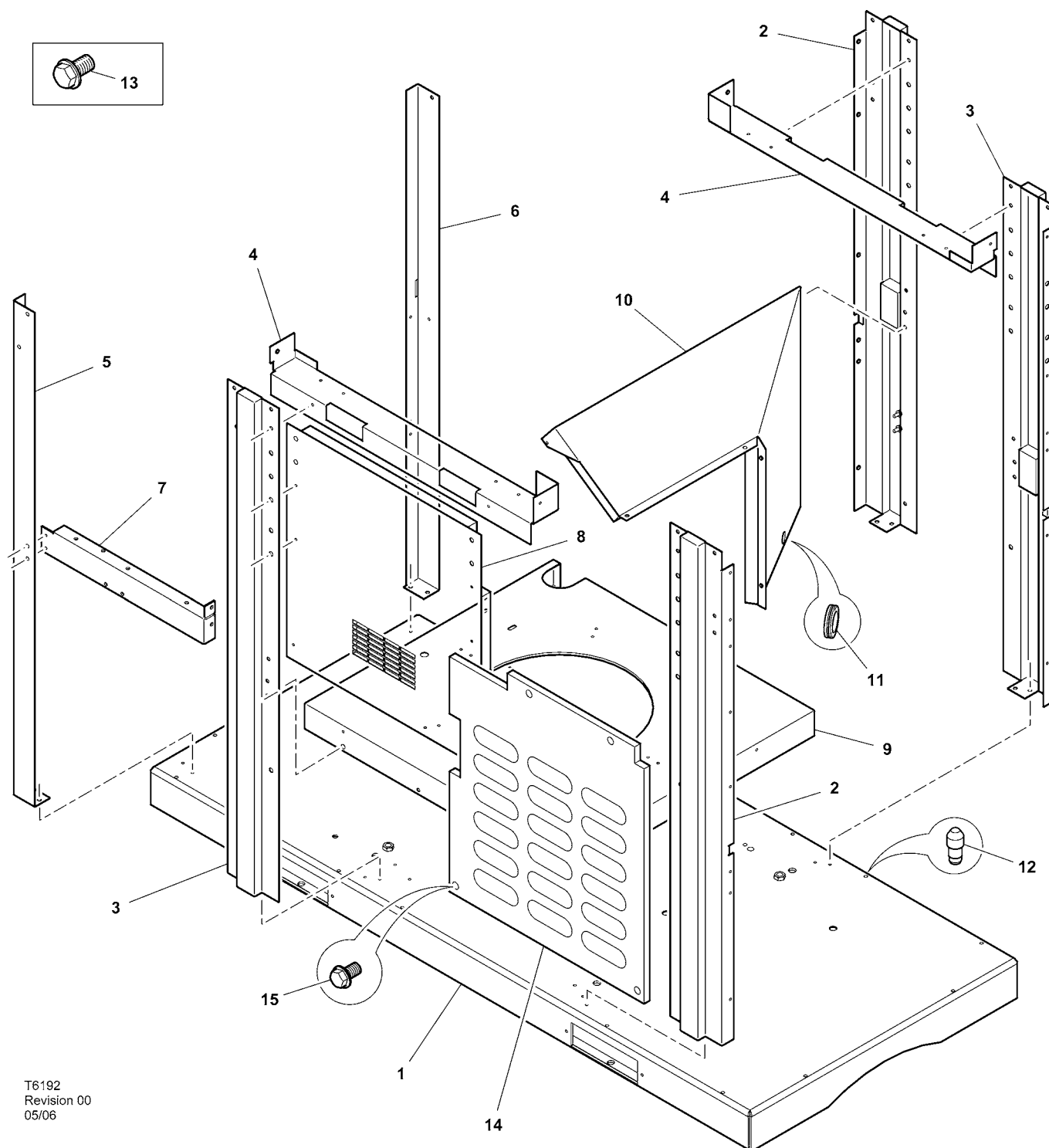
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22934731	1	Panel, top 20-25HP / 15-18.5kW	7	22935068	1	Tray, panel filter 20-25HP / 15-18.5kW
	22955751	1	Panel, top 30-40HP / 22-30kW		22939847	1	Tray, panel filter 30-40HP / 22-30kW
2	22689798	1	Panel, rear	8	22806889	1	Pre filter
3	22689822	1	Panel, rear	9	22864367	1	Panel, intake 20-25HP / 15-18.5kW
4	22689756	2	Panel, access		22893739	1	Panel, intake 30-40HP / 22-30kW
5	22627673	1	Panel, access	10	96702394	6	Screw
6	22689764	1	Panel				



T6191
Revision 01
08/06

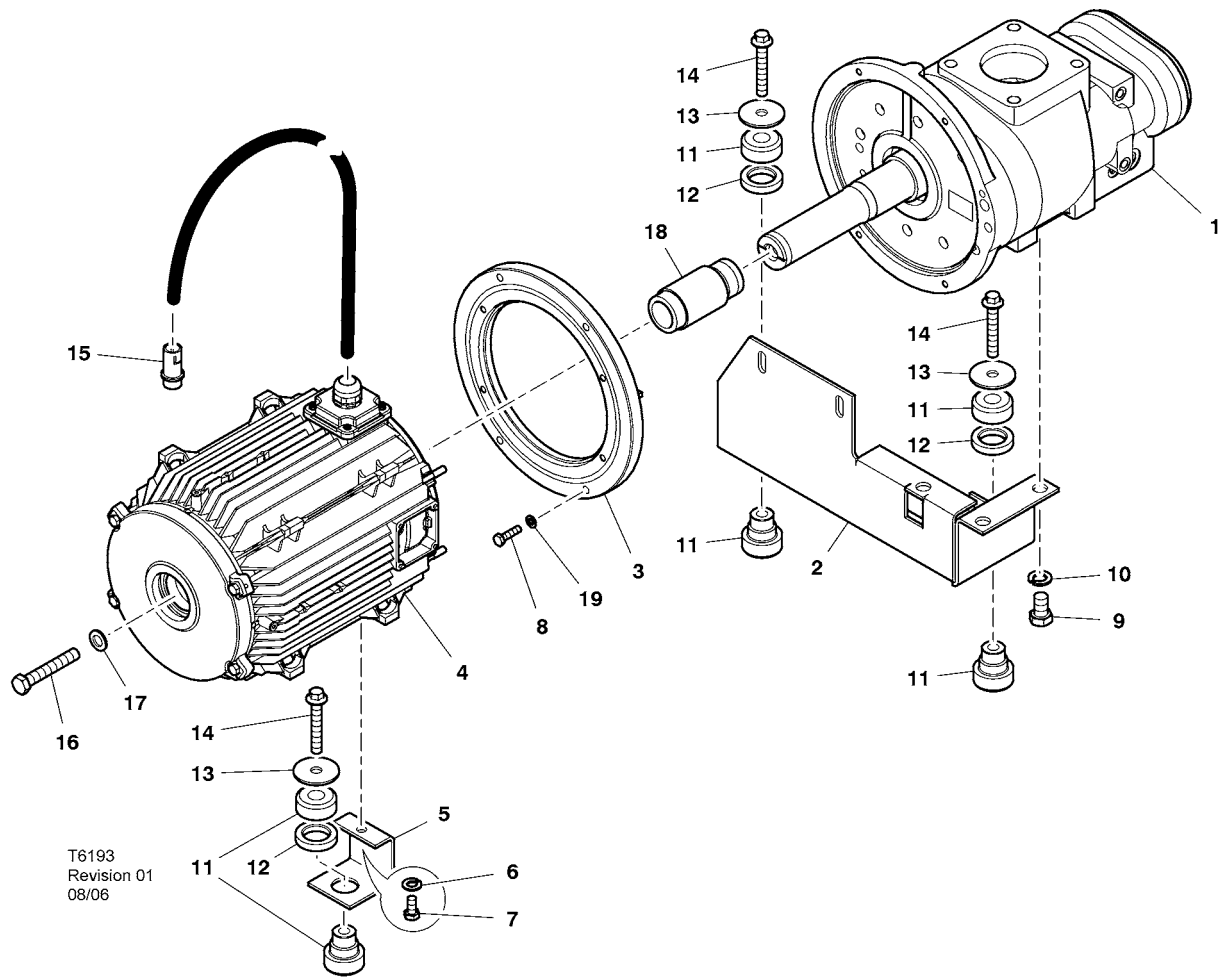
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
11	22797917	1	Panel, drive access 20-25HP / 15-18.5kW	16	96714266	4	Screw
	22955769	1	Panel, drive access 30-40HP / 22-30kW	17	22714927	1	Panel
12	22746606	1	Panel	18	22538698	2	Clip
13	22714489	1	Bracket	19	22058580	4	Cover
14	93494664	14	Latch	20	22897565	1	Panel, divider (Fixed) 20-25HP / 15-18.5kW
14a	89295091	1	Key		22907828	1	Panel, divider (Fixed) 30-40HP / 22-30kW
15	92368687	34	Screw	21	22897573	1	Panel, divider (Removable)

3 ENCLOSURE



T6192
Revision 00
05/06

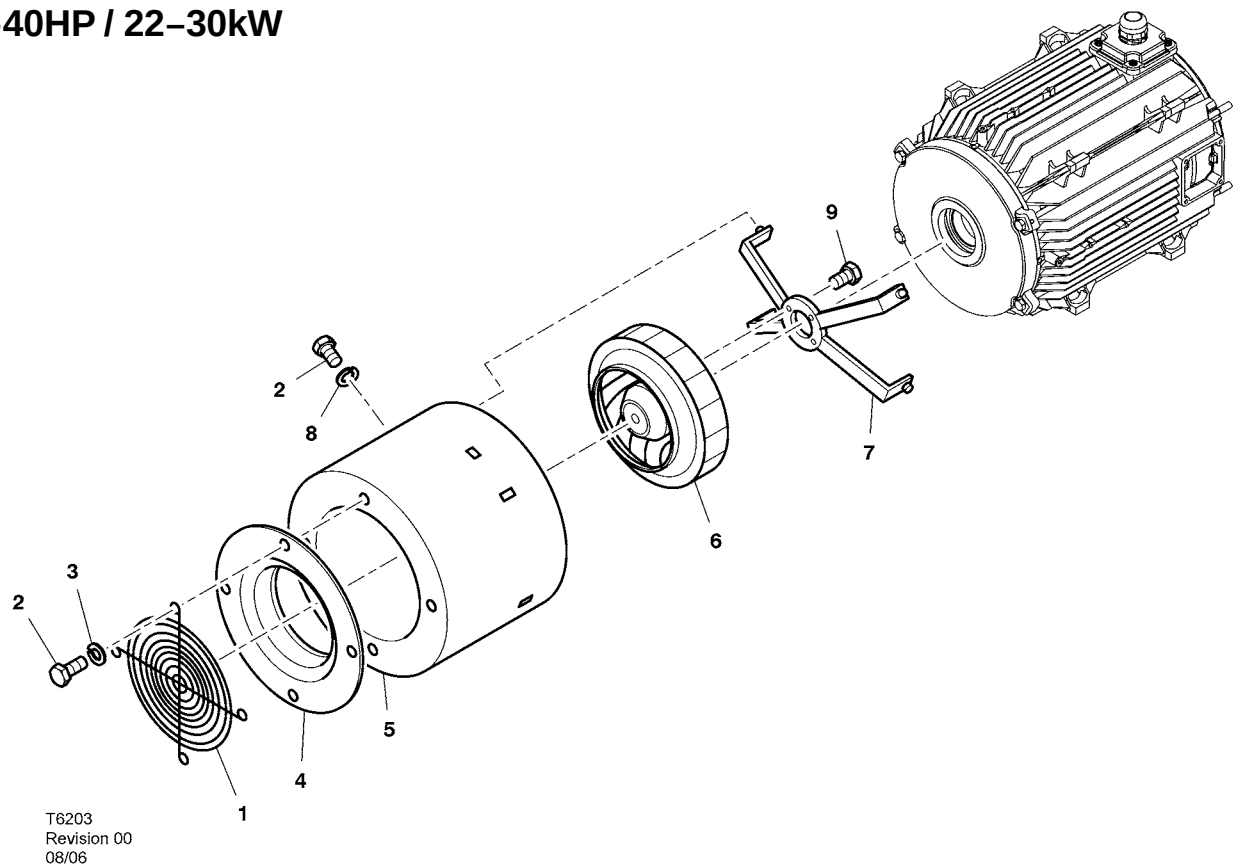
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22788764	1	Sub-base	8	22941918	1	Panel, blower guard
2	22689699	2	Column, front	9	22671879	1	Panel, blower
3	22689681	2	Column, rear	10	22786826	1	Shroud
4	22813158	2	Support, cooler 20-25HP / 15-18.5kW	11	22390132	1	Grommet
	22869127	2	Support, cooler 30-40HP / 22-30kW	12	39138490	17	Pin, locating
5	22735302	1	Column, front	13	92368687	46	Screw
6	22746440	1	Column, rear	14	22905020	1	Guard, blower
7	22673982	1	Support	15	96702394	4	Screw



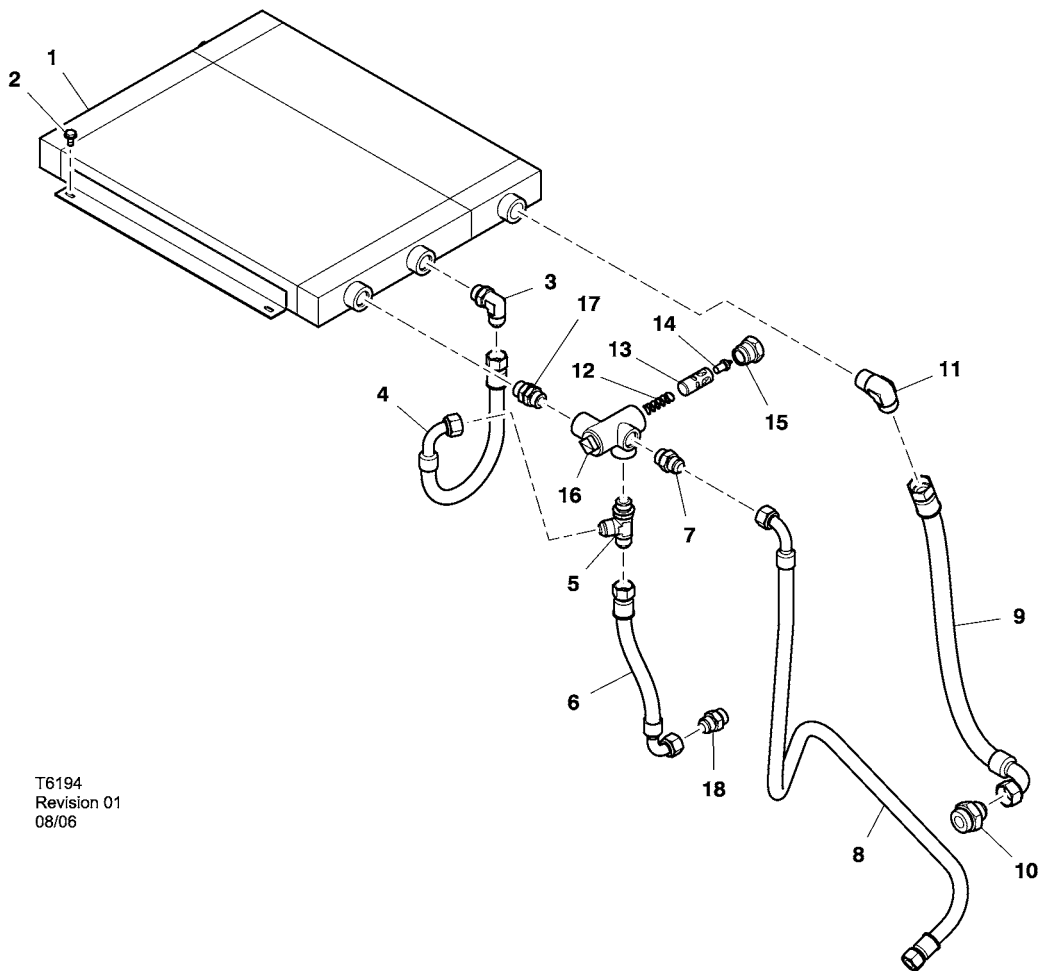
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22952105	1	Airend	10	96721097	3	Washer
2	22813406	1	Support 20-25HP / 15-18.5kW	11	22623201	3	Mount 20-25HP / 15-18.5kW
	22813430	1	Support 30-40HP / 22-30kW		22887871	4	Mount 30-40HP / 22-30kW
3	22712525	1	Adaptor 20-25HP / 15-18.5kW	12	22675631	3	Spacer 20-25HP / 15-18.5kW
4	22911804	1	Motor 20-25HP / 15-18.5kW		22675631	4	Spacer 30-40HP / 22-30kW
	22911812	1	Motor 30-40HP / 22-30kW	13	22675581	3	Washer 20-25HP / 15-18.5kW
5	22671895	1	Support 20-25HP 15-18.5kW		22675581	4	Washer 30-40HP / 22-30kW
	22735336	1	Support 30-40HP / 22-30kW	14	96745062	3	Screw 20-25HP / 15-18.5kW
6	96718655	1	Washer 20-25HP / 15-18.5kW		96745062	4	Screw 30-40HP / 22-30kW
	96739933	1	Washer 30-40HP / 22-30kW	15	22141295	1	Connector
7	96702279	1	Screw 20-25HP / 15-18.5kW	16	96721600	1	Screw
	96719869	1	Screw 30-40HP / 22-30kW	17	96701438	1	Washer
8	96705587	4	Screw 20-25HP / 15-18.5kW	18	22706428	1	Extension, shaft 20-25HP / 15-18.5kW
9	96738372	3	Screw		22706451	1	Extension, shaft 30-40HP / 22-30kW
				19	96741467	4	Washer 20-25HP / 15-18.5kW

5 MOTOR/AIREND ASSEMBLY

30-40HP / 22-30kW

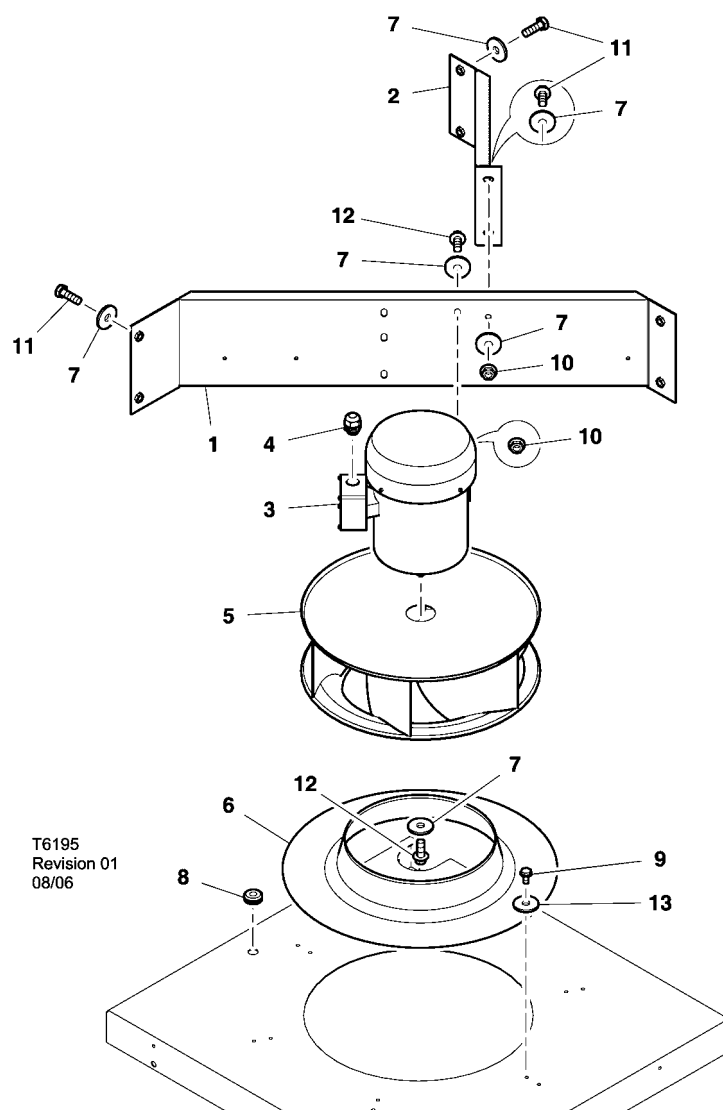


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22948541	1	Guard	6	22709463	1	Impeller
2	96702394	12	Screw	7	22780753	1	Mount
3	96745559	4	Washer	8	96705199	8	Washer
4	22348239	1	Cone, inlet	9	96742358	4	Screw
5	22180746	1	Shroud				



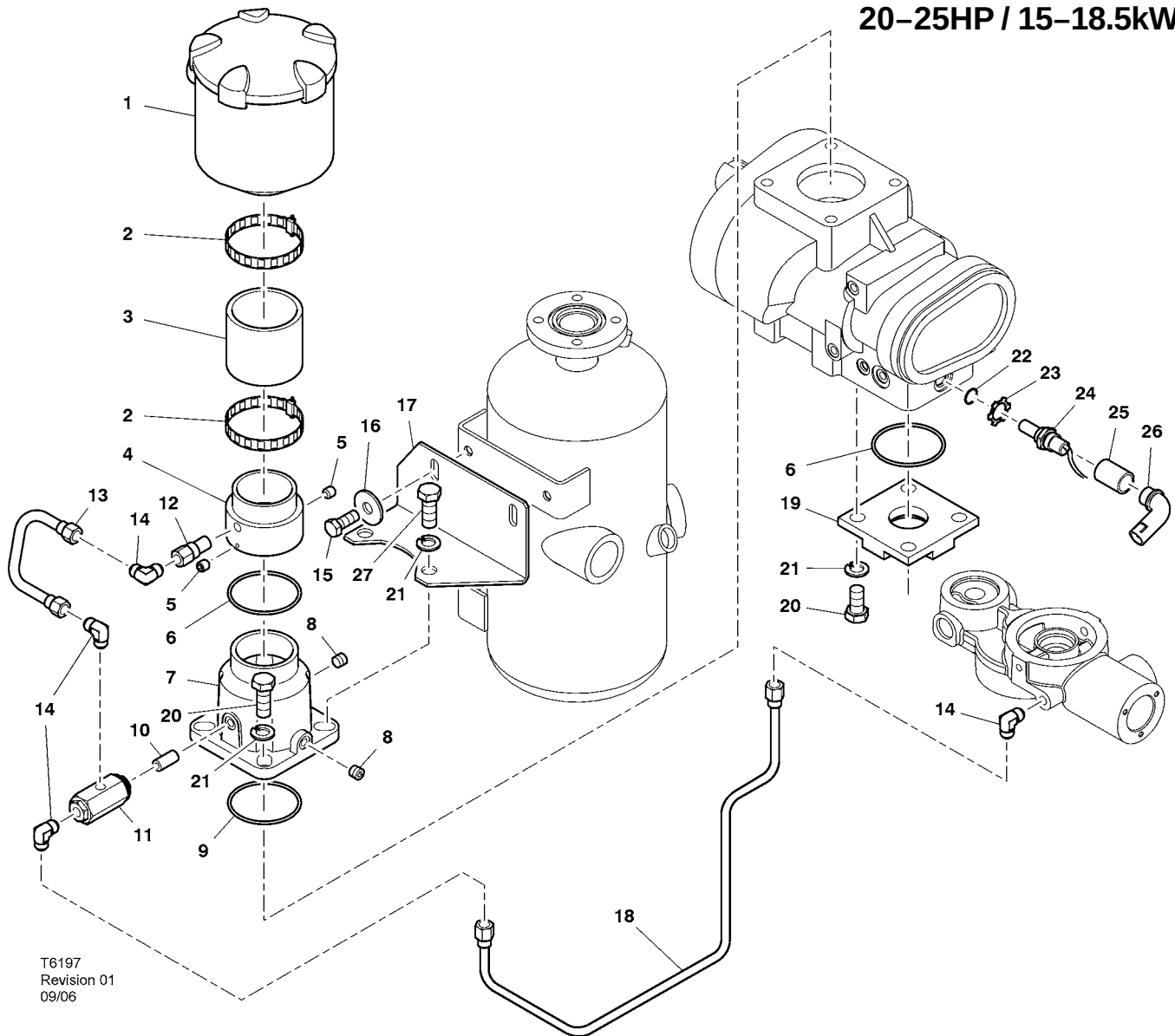
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22648539	1	Cooler 20–25HP / 15–18.5 kW	9	22708424	1	Hose assembly 20–25HP / 15–18.5 kW
	22869119	1	Cooler 30–40HP / 22–30 kW		22960827	1	Hose assembly 30–40HP / 22–30 kW
2	92368687	4	Screw	10	95974291	1	Connector 20–25HP / 15–18.5 kW
3	95938163	1	Elbow 20–25HP / 15–18.5 kW	*	95938189	1	Elbow 30–40HP / 22–30 kW
	95992558	1	Elbow 30–40HP / 22–30 kW	11	96727870	1	Elbow 20–25HP / 15–18.5 kW
4	22827877	1	Hose assembly 20–25HP / 15–18.5 kW		92478221	1	Elbow 30–40HP / 22–30 kW
	22950158	1	Hose assembly 30–40HP / 22–30 kW	12	22186696	1	Spring
5	95986915	1	Tee 20–25HP / 15–18.5 kW	13	22856991	1	Cage
	96950142	1	Tee 30–40HP / 22–30 kW	14	22463368	1	Actuator
6	22827869	1	Hose assembly 20–25HP / 15–18.5 kW	15	22186688	1	Plug
	22950141	1	Hose assembly 30–40HP / 22–30 kW	16	22679914	1	Manifold
7	95952867	1	Connector 20–25HP / 15–18.5 kW	17	95994125	1	Union
*	95992558	1	Elbow 30–40HP / 22–30 kW	18	22894786	1	Valve, check 20–25HP / 15–18.5 kW
8	22708432	1	Hose assembly 20–25HP / 15–18.5 kW		22916613	1	Valve, check 30–40HP / 22–30 kW
	22950166	1	Hose assembly 30–40HP / 22–30 kW				*Not Illustrated

7 COOLING SYSTEM



Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22671887	1	Support	6	22628945	1	Cone, inlet 20-25HP / 15-18.5kW
2	22812192	1	Bracket		22622120	1	Cone, inlet 30-40HP / 22-30kW
3	22689889	1	Motor HV 20-25HP / 15-18.5kW	7	96740188	15	Washer
	22735427	1	Motor LV 20-25HP / 15-18.5kW	8	85583367	1	Grommet
	22737423	1	Motor HV 30-40HP / 22-30kW	9	92368687	6	Screw
	22737431	1	Motor LV 30-40HP / 22-30kW	10	96704416	6	Nut
4	22245666	1	Gland, cable	11	96702459	8	Screw
5	22685564	1	Blower 20-25HP / 15-18.5kW	12	96704408	5	Screw
	22685556	1	Blower 30-40HP / 22-30kW	13	22932362	6	Washer

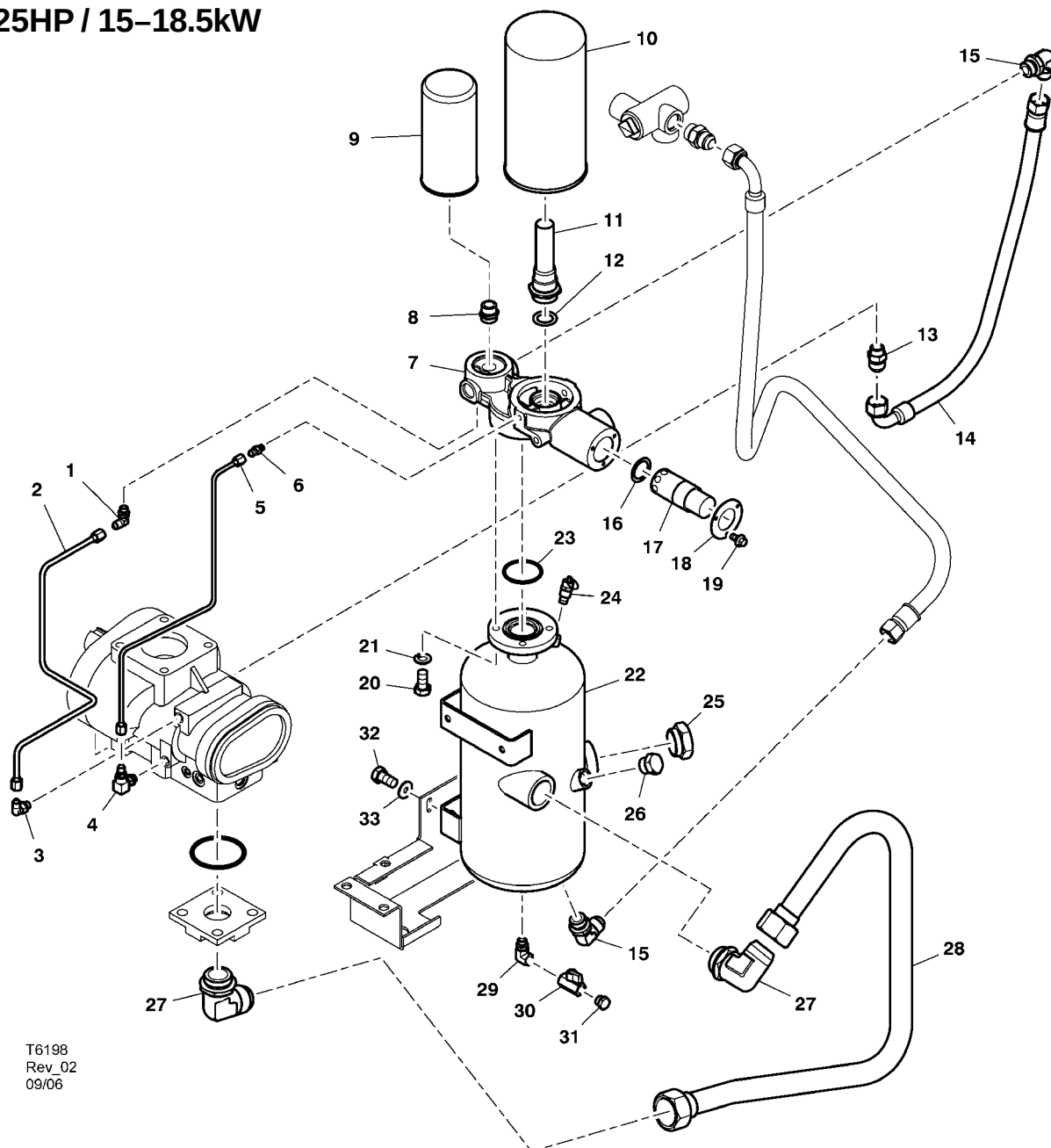
20-25HP / 15-18.5kW



Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	89265300	1	Filter, air	15	96702287	2	Screw
2	95340683	2	Clamp	16	96730429	2	Washer
3	22682579	1	Hose	17	22813414	1	Bracket
4	22681092	1	Sleeve	18	22855548	1	Tube assembly
5	96743430	2	Setscrew	19	22880900	1	Plate, adaptor
6	95022323	2	'O' Ring	20	96703186	6	Screw
7	85541019	1	Valve, inlet	21	96721097	8	Lockwasher
8	95928230	2	Plug	22	39404165	1	'O' Ring
9	95026290	1	'O' Ring	23	39114079	1	Locknut
10	92354539	1	Nipple	24	22820682	1	High air temperature switch
11	22359764	1	Valve, blowdown	25	95952388	1	Coupling
12	22859938	1	Connector, diverter	26	22097471	1	Elbow
13	22861629	1	Tube assembly	27	96706262	2	Screw
14	96748496	4	Elbow				

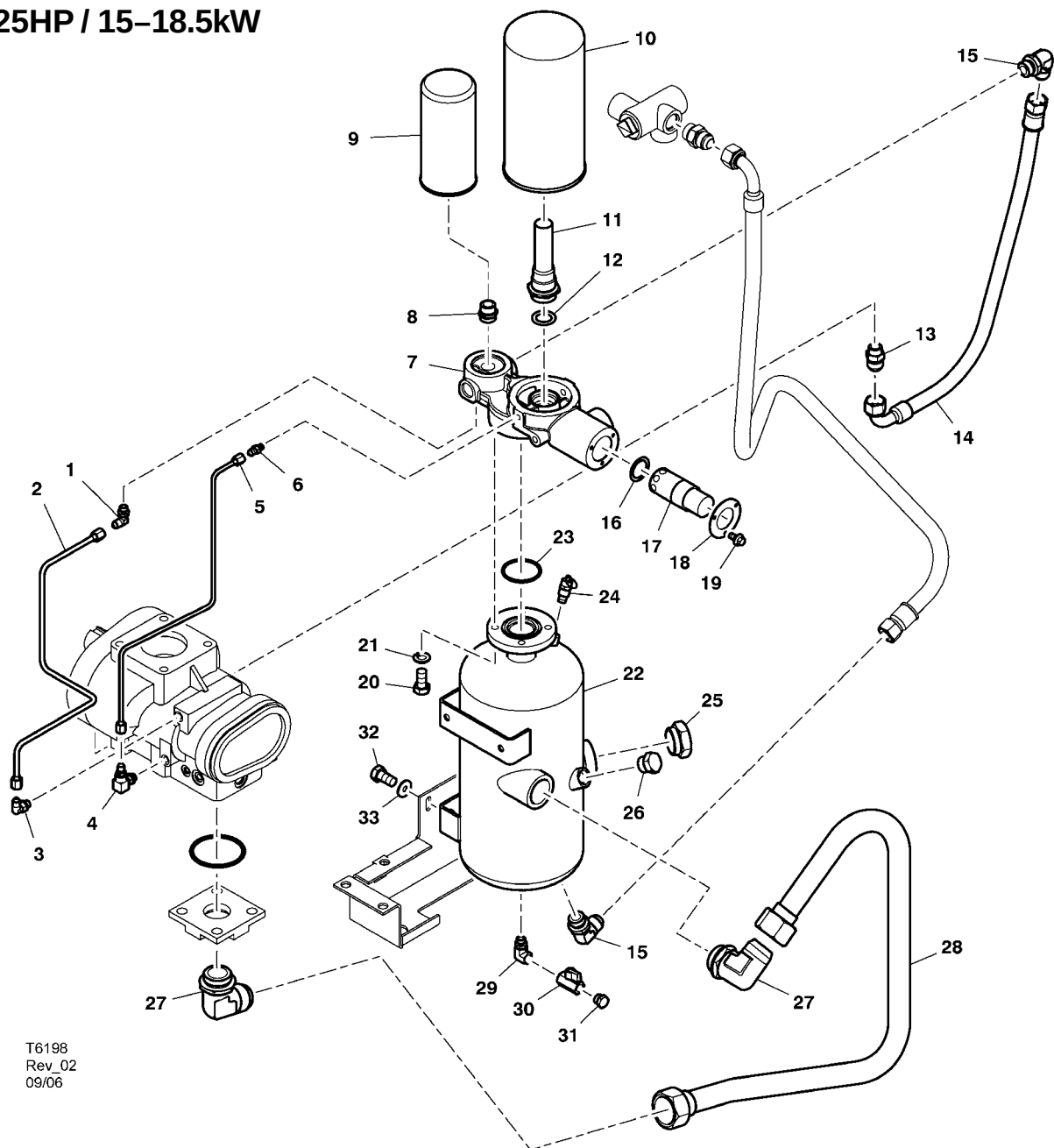
9 SEPARATION SYSTEM

20-25HP / 15-18.5kW



Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	95993572	1	Elbow	16	39151915	1	'O' Ring
2	22815377	1	Tube assembly	17	39446968	1	Valve, minimum pressure
3	96744040	1	Elbow	18	39447537	1	Plate, retaining
4	54775556	1	Elbow	19	96705058	3	Screw
5	22815385	1	Tube assembly	20	96701917	4	Screw
6	22720247	1	Connector	21	96718655	4	Lockwasher
7	22809131	1	Manifold	22	22806384	1	Tank, separator (ASME)
8	54749221	1	Nipple		22806442	1	Tank, separator (CE)
9	54672654	1	Element, oil filter		22806459	1	Tank, separator (SQL / AS1210)
10	54749247	1	Element, separator	23	95018032	1	'O' Ring
11	22354989	1	Nipple	24	22378665	1	Valve, safety (U.S.)
12	22199806	1	'O' Ring		22401590	1	Valve, safety (Europe / Asia)
13	22062376	1	Connector				
14	22817746	1	Hose				
15	95938163	2	Elbow				

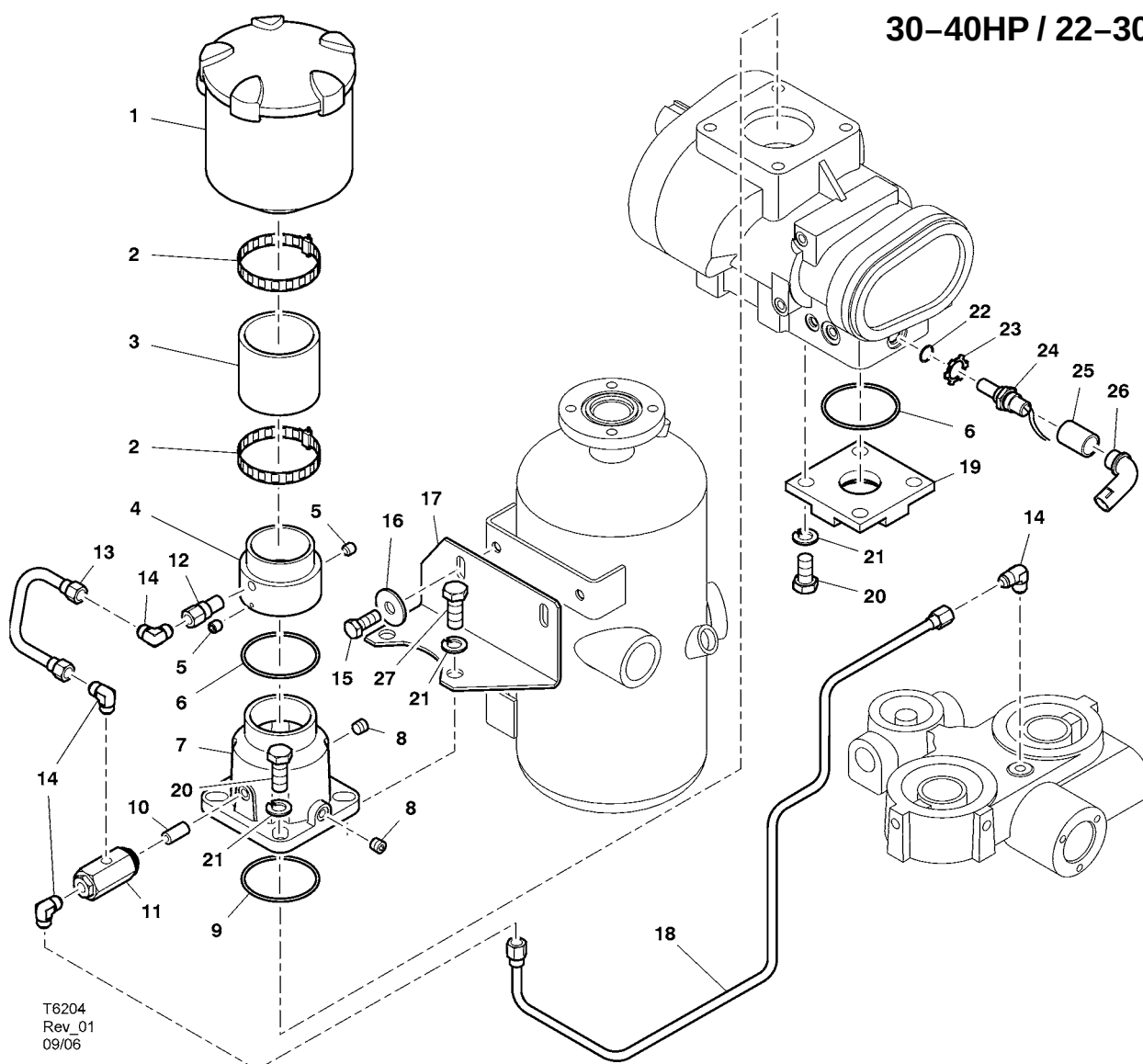
20-25HP / 15-18.5kW



T6198
Rev_02
09/06

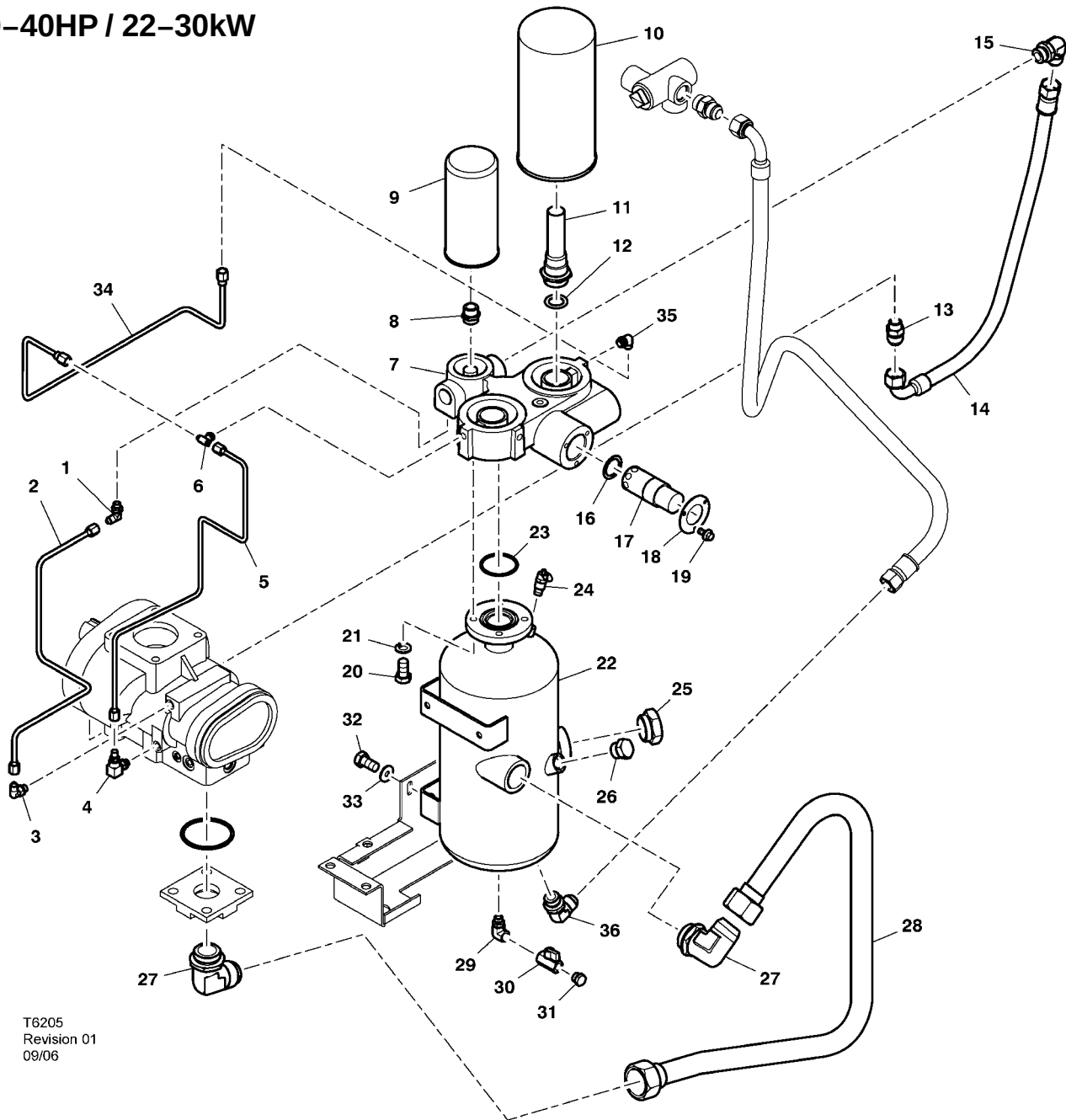
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
25	39476916	1	Sight-glass	30	96950241	1	Valve
26	22182265	1	Plug	31	95938205	1	Plug
27	67904409	2	Elbow	32	96702287	2	Screw
28	22892673	1	Tube assembly	33	96730429	2	Washer
29	96950209	1	Elbow				

30-40HP / 22-30kW



Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	89265300	1	Filter, air	14	96748496	4	Elbow
2	95340683	2	Clamp	15	96702287	2	Screw
3	22682579	1	Hose	16	96730429	2	Washer
4	22681092	1	Sleeve	17	22813414	1	Bracket
5	96743430	2	Setscrew	18	22970578	1	Tube assembly
6	95022323	2	'O' Ring	19	22880900	1	Plate, adaptor
7	85541019	1	Valve, inlet	20	96703186	6	Screw
8	95928230	2	Plug	21	96721097	8	Lockwasher
9	95026290	1	'O' Ring	22	39404165	1	'O' Ring
10	92354539	1	Nipple	23	39114079	1	Locknut
11	22359764	1	Valve, blowdown	24	22820682	1	High air temperature switch
12	22859938	1	Connector diverter	25	95952388	1	Coupling
13	22861629	1	Tube assembly	26	22097471	1	Elbow
				27	96706262	2	Screw

30-40HP / 22-30kW

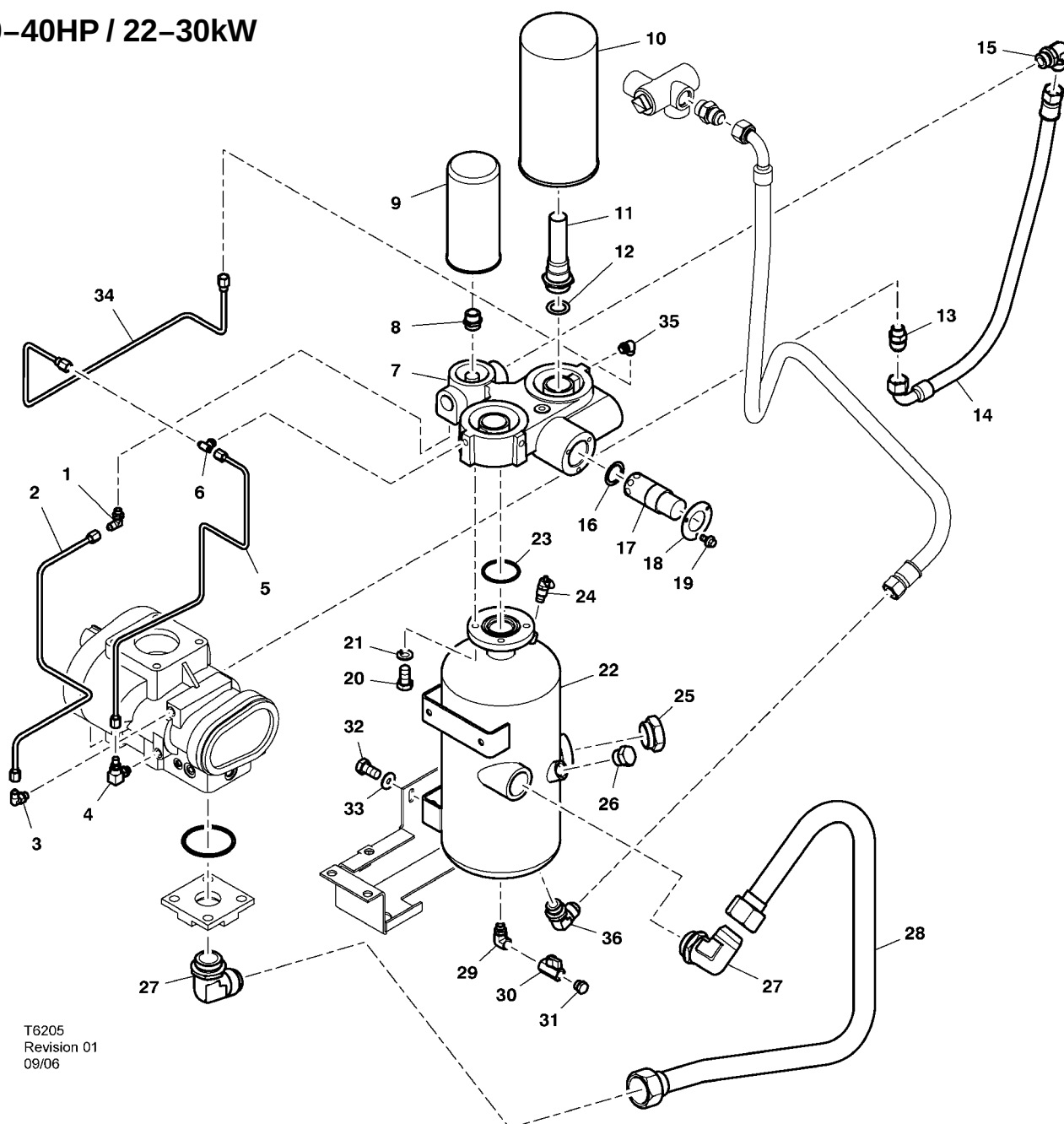


T6205
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09/06

Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	95993572	1	Elbow	15	95938163	1	Elbow
2	22947659	1	Tube assembly	16	39151915	1	'O' Ring
3	96744040	1	Elbow	17	39446968	1	Valve, minimum pressure
4	54775556	1	Elbow	18	39447537	1	Plate, retaining
5	22947634	1	Tube assembly	19	96705058	3	Screw
6	95985941	1	Tee	20	96701917	4	Screw
7	22783146	1	Manifold	21	96718655	4	Lockwasher
8	54749221	1	Nipple	22	22813844	1	Tank, separator ASME
9	54672654	1	Element, oil filter		22813851	1	Tank, separator CE
10	54749247	2	Element, separator		22813869	1	Tank, separator SQL / AS1210
11	22354989	2	Nipple	23	95018032	1	'O' Ring
12	22199806	2	'O' Ring				
13	96739727	1	Connector				
14	22769491	1	Hose				

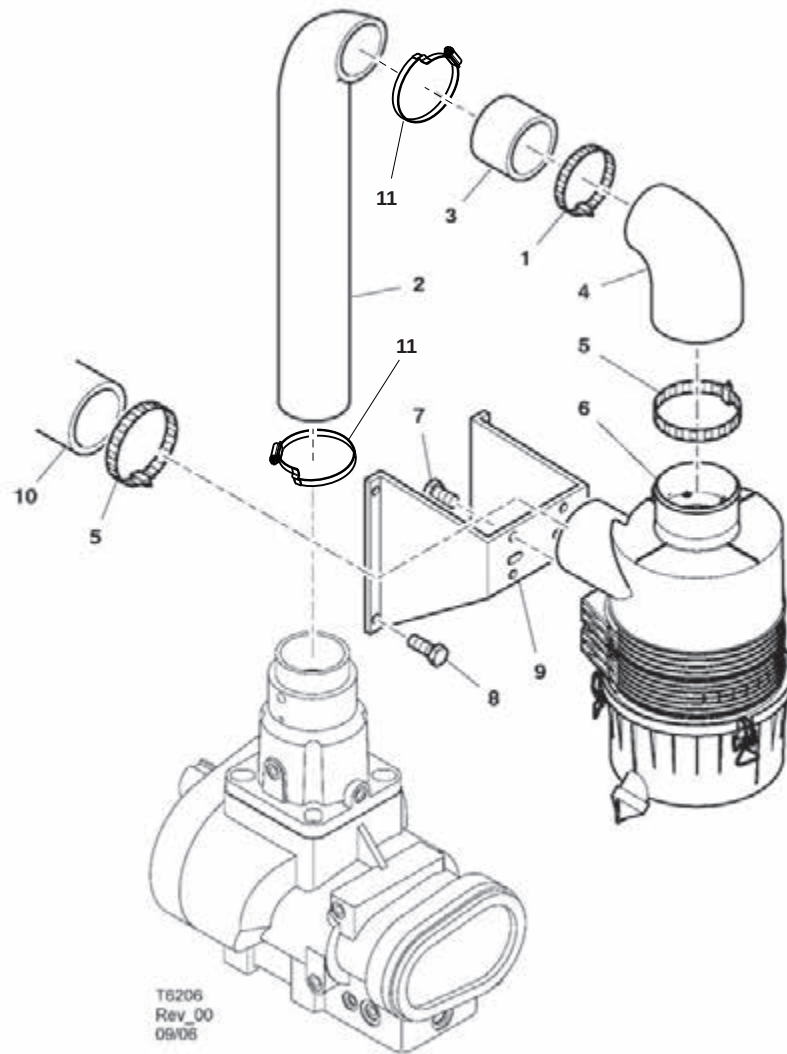
13 SEPARATION SYSTEM

30-40HP / 22-30kW



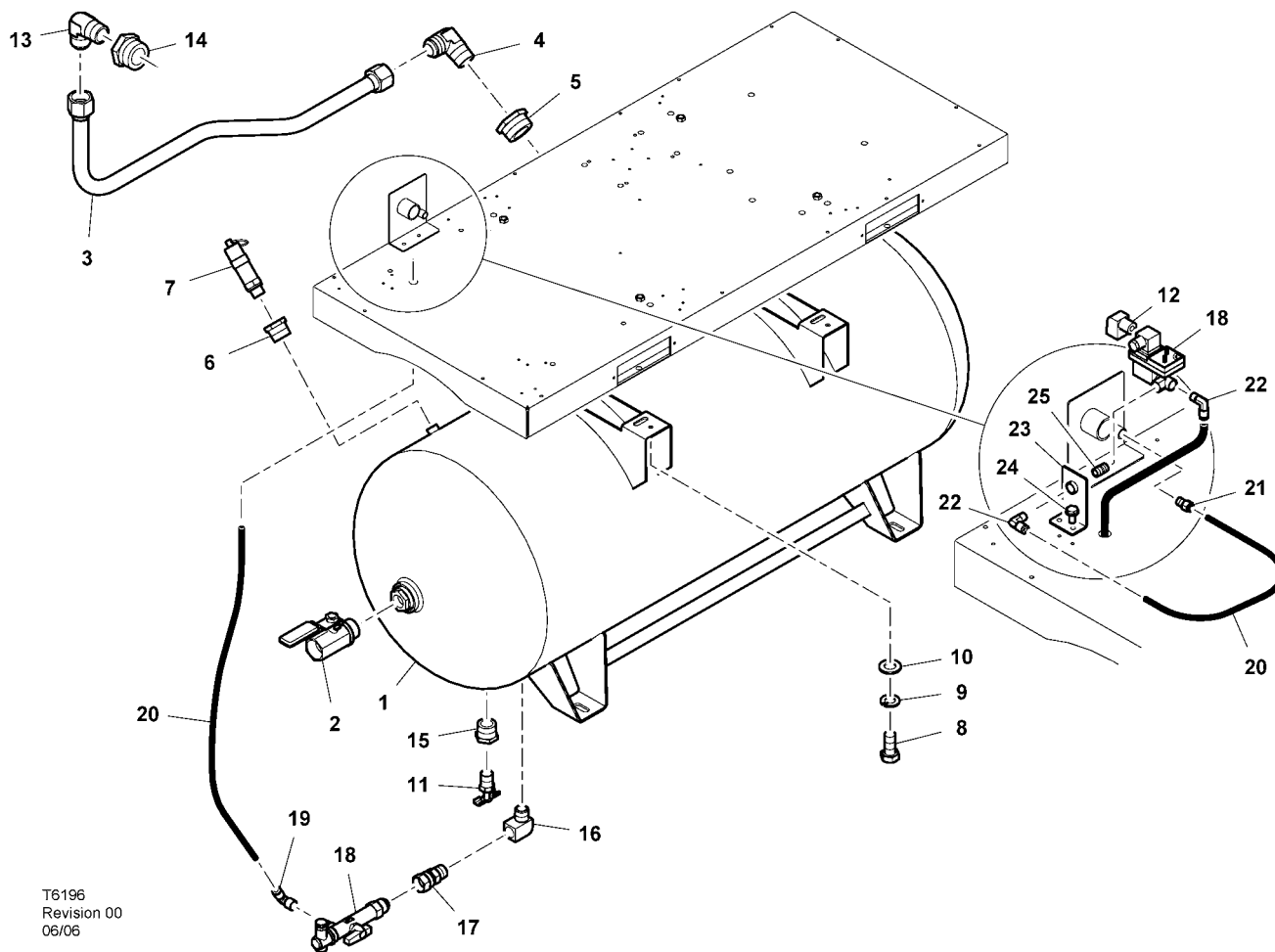
T6205
Revision 01
09/06

Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
24	22378665	1	Valve, safety U.S.	30	96950241	1	Valve
	22856934	1	Valve, safety Europe / Asia	31	95928230	1	Plug
25	39476916	1	Sight-glass	32	96702287	2	Screw
26	95938981	1	Plug	33	96730429	2	Washer
27	67904409	2	Elbow	34	22947642	1	Tube assembly
28	22901102	1	Tube assembly	35	95991303	1	Elbow
29	96950209	1	Elbow	36	95992558	1	Elbow

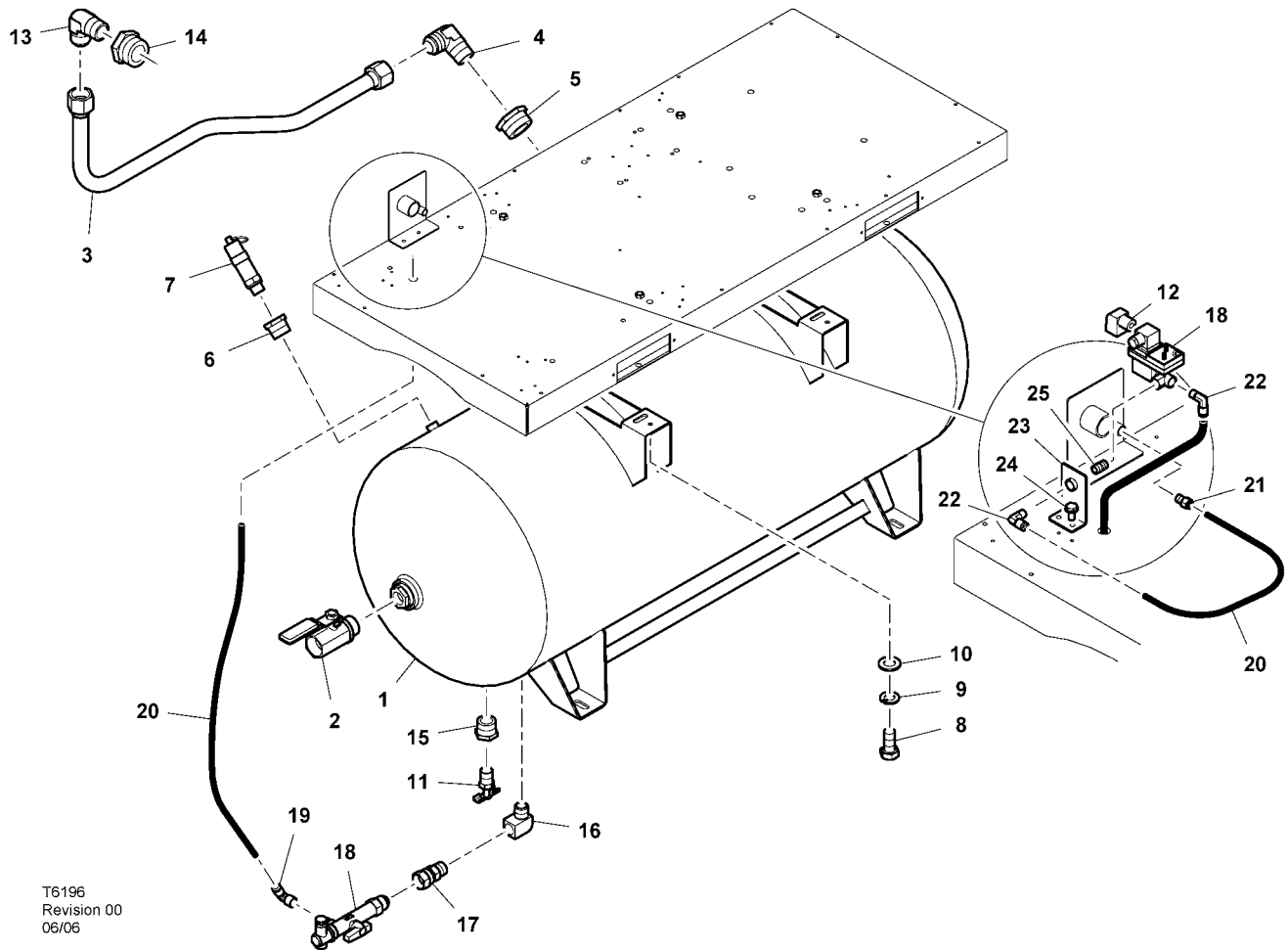


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	95340683	1	Clamp	7	96704408	4	Screw
2	22740724	1	Hose	8	92368687	4	Screw
3	22153647	1	Coupling	9	22965826	1	Bracket 20-25HP 15-18.5kW
4	22233068	1	Elbow		22965818	1	Bracket 30-40HP / 22-30kW
5	39110556	2	Clamp	10	22740732	1	Hose
6	22234967	1	Filter, air	11	23411135	2	Clamp, Bridge

15 TANK ASSEMBLY

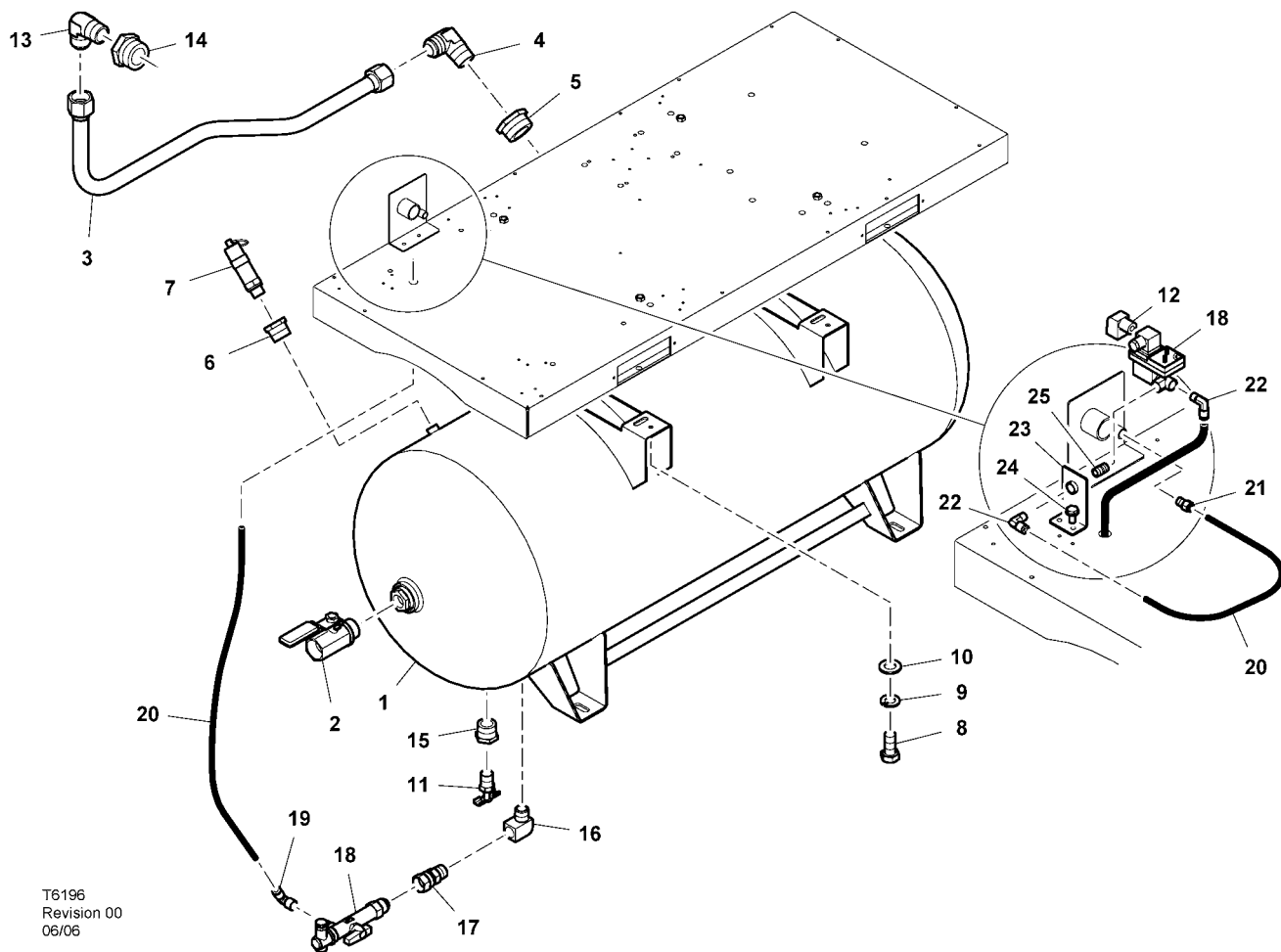


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22734404	1	Tank 120 gallon	4	95937645	1	Elbow (1" NPT)
	22730998	1	Tank 240 gallon		96727870	1	Elbow (1" BSPT)
	22731004	1	Tank 500 litre		92478221	1	Elbow (1.25" BSPT)
	22731020	1	Tank 750 litre		95937660	1	Elbow (1.25" NPT)
2	22055438	1	Valve, ball (1" NPT) 120/240 gallon		95948749	1	Elbow (1.50" NPT)
	22061386	1	Valve, ball (1" BSPT) 500/750 litre	5	95941043	1	Bush, reducing
3	22834105	1	Tube assembly		92895184	1	Bush, reducing
	22834261	1	Tube assembly		22769145	1	Bush, reducing
	22834303	1	Tube assembly		95950341	1	Bush, reducing
	22834295	1	Tube assembly	6	95944625	1	Bush, reducing
	22834246	1	Tube assembly	7	39588074	1	Valve, safety
	22834279	1	Tube assembly		42923227	1	Valve, safety
	22834311	1	Tube assembly		39588009	1	Valve, safety
	22834329	1	Tube assembly	8	96701495	4	Screw
	22834253	1	Tube assembly	9	96739933	4	Lockwasher
	22834287	1	Tube assembly	10	96701412	4	Washer

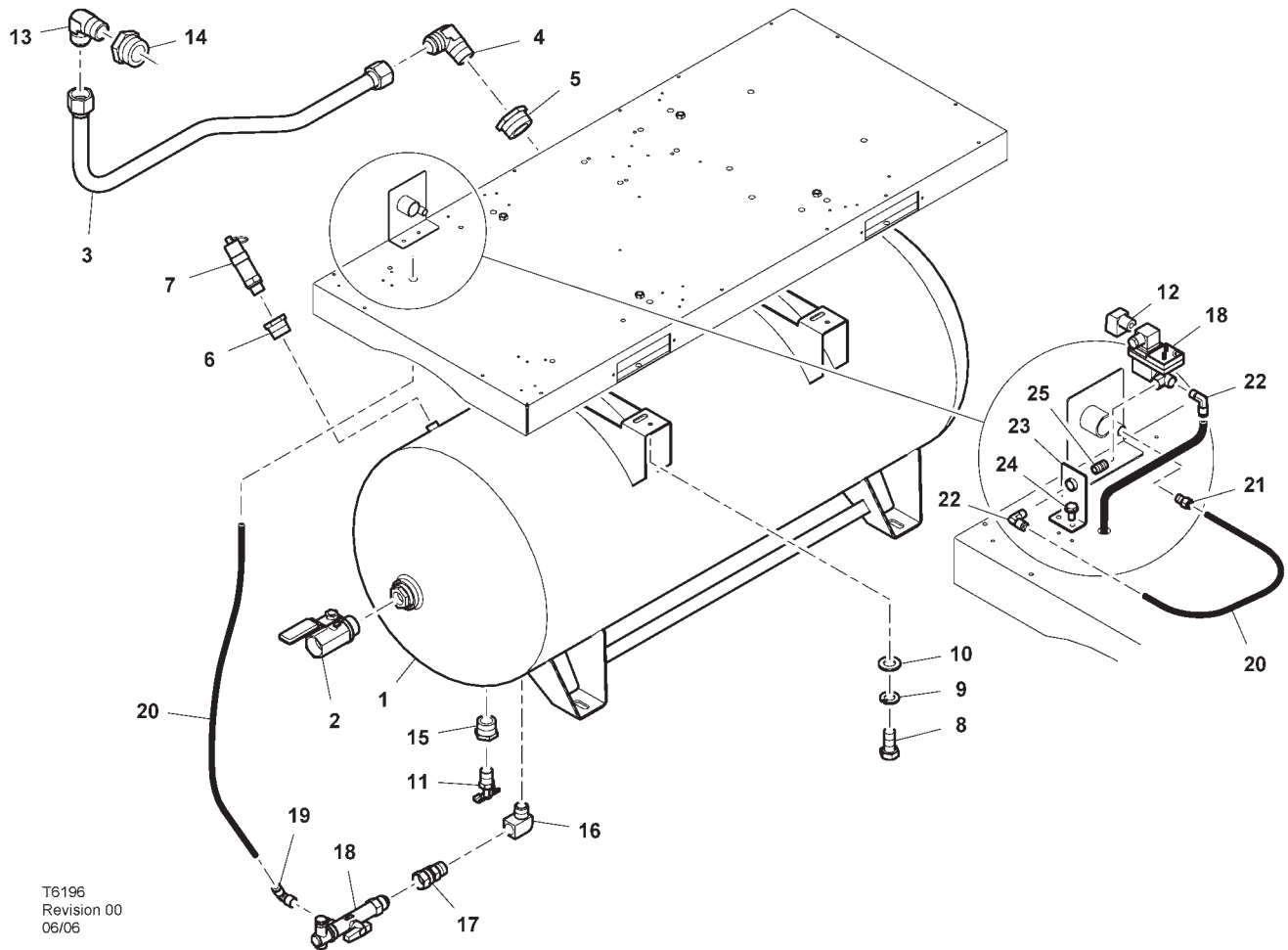


Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
11	32027120	1	Valve, drain	17	95989638	1	Connector
12	37143542	1	Elbow		22062327	1	Connector
13	95937660	1	Elbow (1.25" NPT)	18	85582914	1	Valve, drain
	95937645	1	Elbow (1.0" NPT)	19	39156336	1	Elbow
	95949749	1	Elbow (1.5" NPT)	20	39124813	AR	Tube (Nylon)
14	95950341	1	Bush, reducing	21	39156435	1	Connector
15	95944625	1	Bush, reducing	22	39155478	2	Elbow
	92354380	1	Bush, reducing	23	22457824	1	Bracket
16	16545998	1	Elbow (.50" NPT)	24	92368687	2	Screw
	92354513	1	Elbow (.50" BSPT)	25	95667341	1	Connector

15 TANK ASSEMBLY



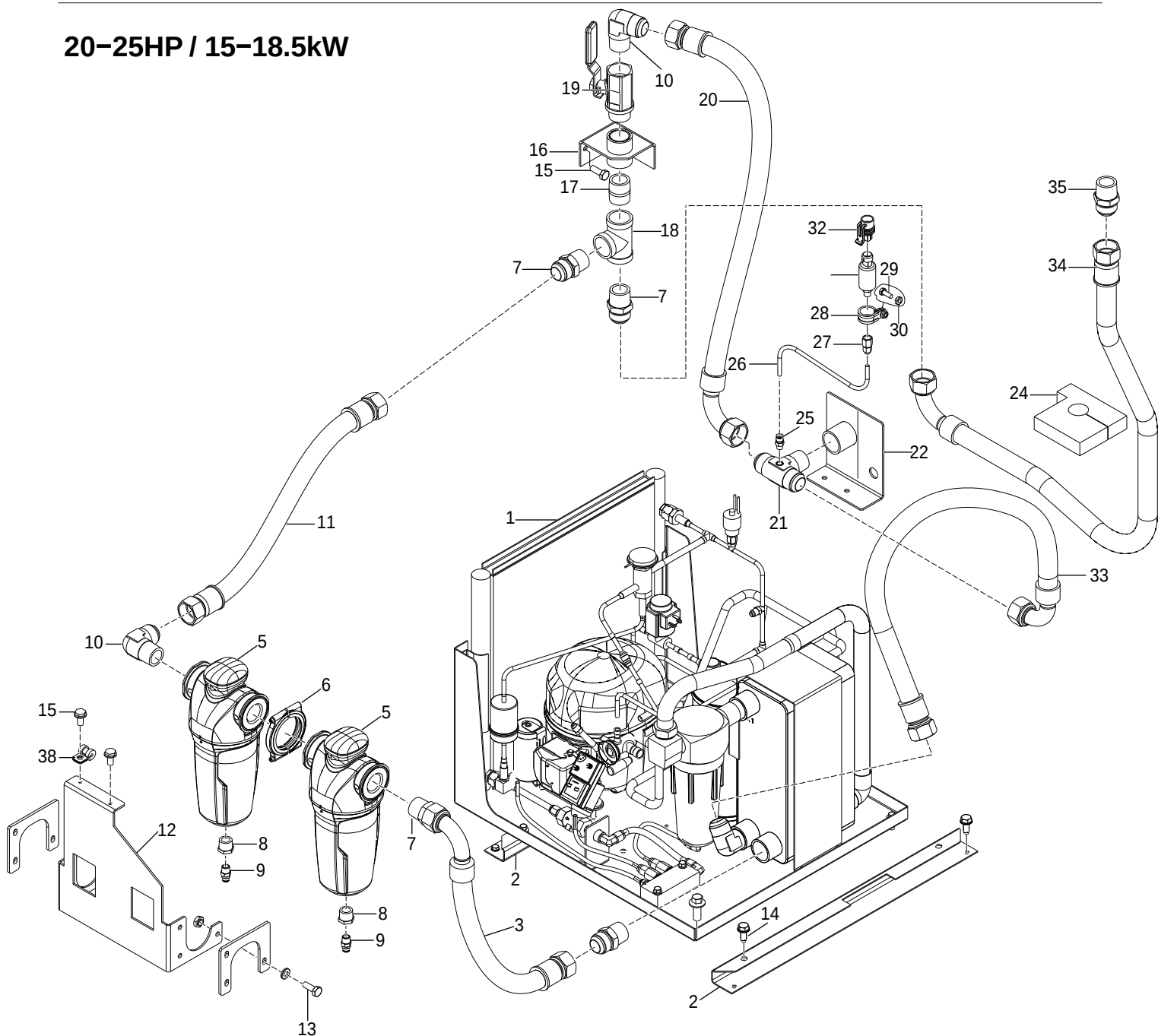
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22734404	1	Tank 120 gallon	4	95937645	1	Elbow (1" NPT)
	22730998	1	Tank 240 gallon		96727870	1	Elbow (1" BSPT)
	22731004	1	Tank 500 litre		92478221	1	Elbow (1.25" BSPT)
	22731020	1	Tank 750 litre		95937660	1	Elbow (1.25" NPT)
2	22055438	1	Valve, ball (1" NPT) 120/240 gallon		95948749	1	Elbow (1.50" NPT)
	22061386	1	Valve, ball (1" BSPT) 500/750 litre	5	95941043	1	Bush, reducing
3	22834105	1	Tube assembly		92895184	1	Bush, reducing
	22834261	1	Tube assembly		22769145	1	Bush, reducing
	22834303	1	Tube assembly		95950341	1	Bush, reducing
	22834295	1	Tube assembly	6	95944625	1	Bush, reducing
	22834246	1	Tube assembly	7	39588074	1	Valve, safety
	22834279	1	Tube assembly		42923227	1	Valve, safety
	22834311	1	Tube assembly		39588009	1	Valve, safety
	22834329	1	Tube assembly	8	96701495	4	Screw
	22834253	1	Tube assembly	9	96739933	4	Lockwasher
	22834287	1	Tube assembly	10	96701412	4	Washer



Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
11	32027120	1	Valve, drain	17	95989638	1	Connector
12	37143542	1	Elbow		22062327	1	Connector
13	95937660	1	Elbow (1.25" NPT)	18	85582914	1	Valve, drain
	95937645	1	Elbow (1.0" NPT)	19	39156336	1	Elbow
	95949749	1	Elbow (1.5" NPT)	20	39124813	AR	Tube (Nylon)
14	95950341	1	Bush, reducing	21	39156435	1	Connector
15	95944625	1	Bush, reducing	22	39155478	2	Elbow
	92354380	1	Bush, reducing	23	22457824	1	Bracket
16	16545998	1	Elbow (.50" NPT)	24	92368687	2	Screw
	92354513	1	Elbow (.50" BSPT)	25	95667341	1	Connector

17 DRYER ASSEMBLY

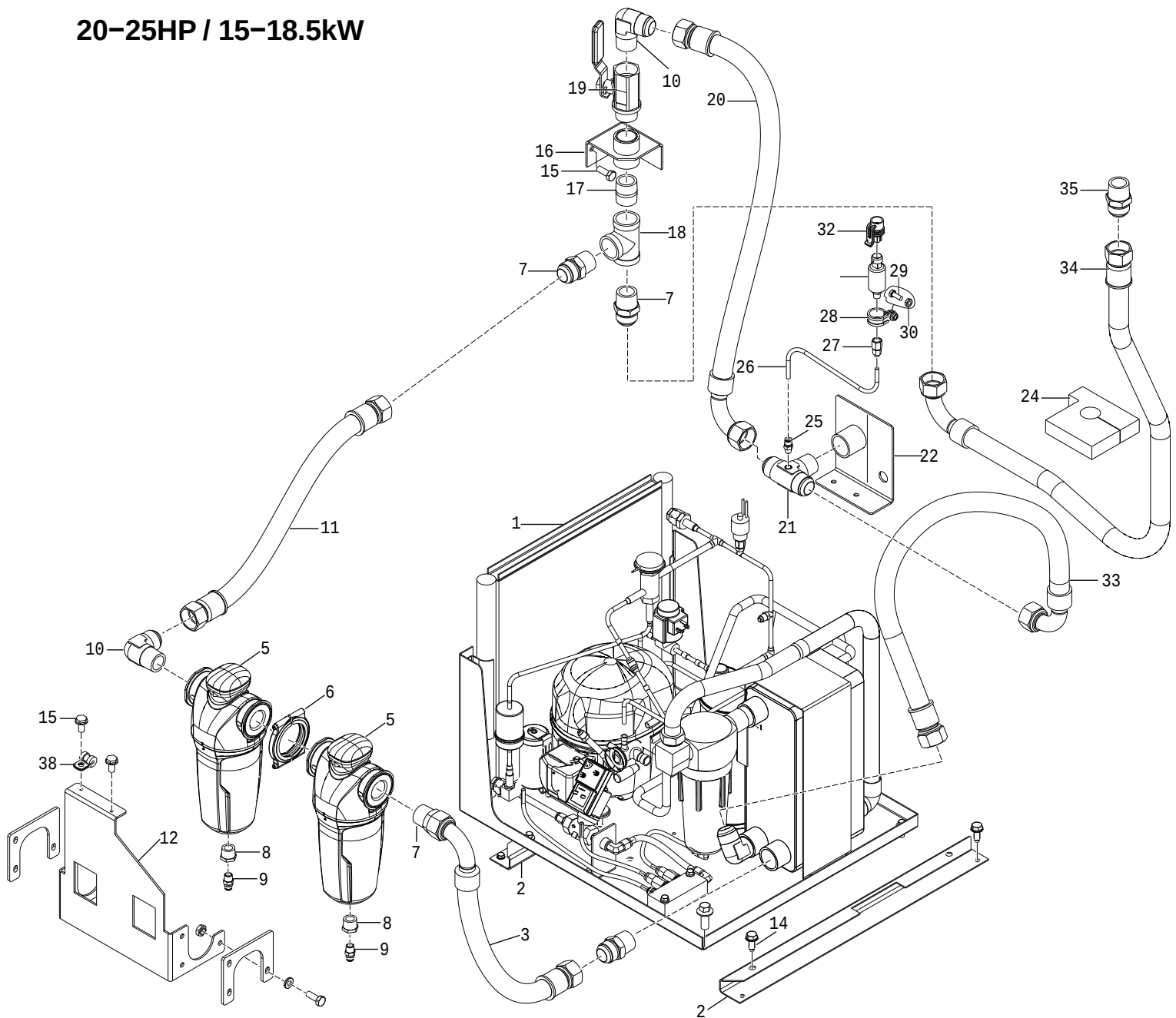
20-25HP / 15-18.5kW



22719199 REV.M

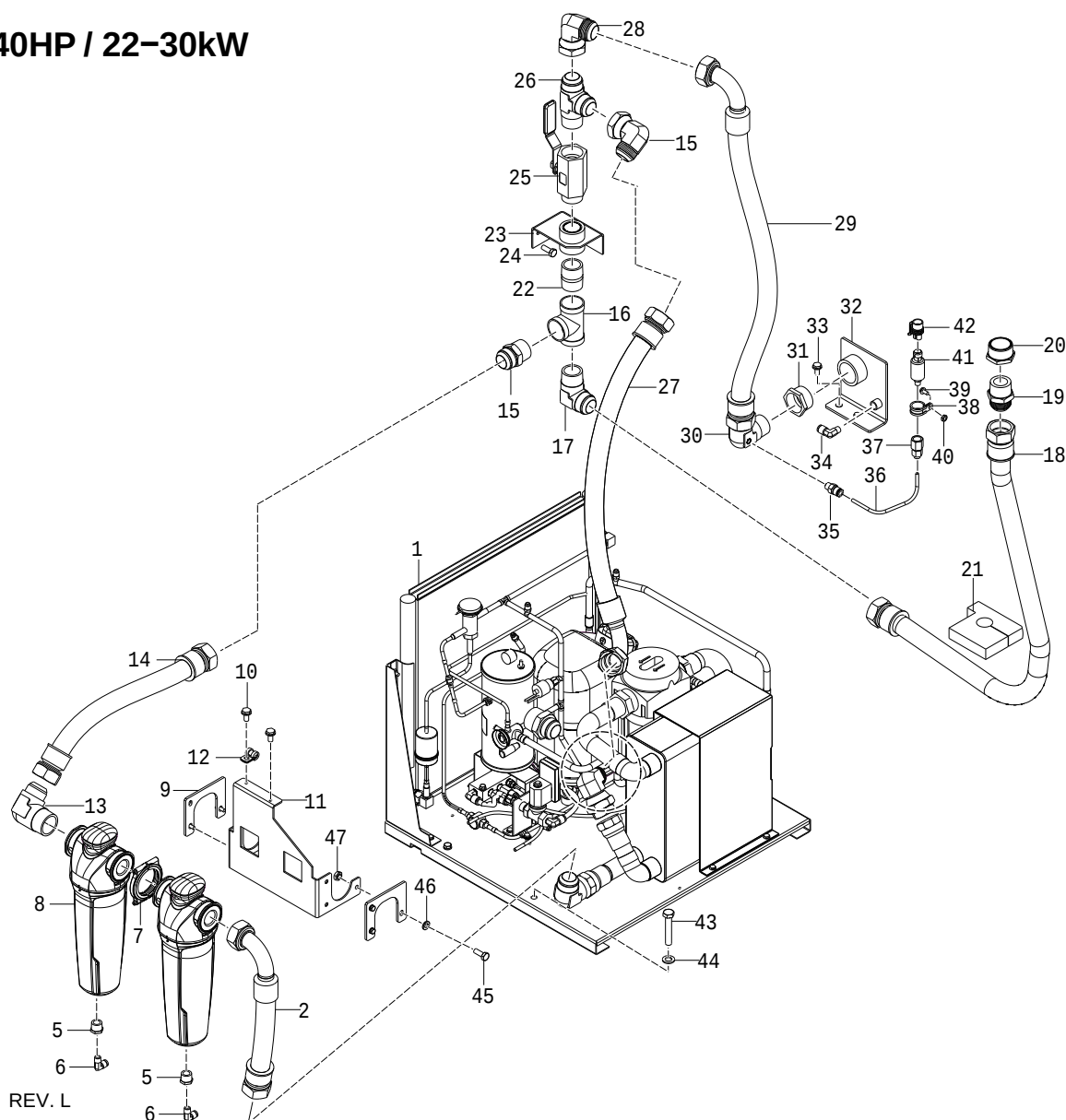
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	2263583	1	Dryer	14	3991748	4	Screw
2	2267191	2	Support	15	9236867	10	Screw
3	85561595	1	Hose assembly	16	2282247	1	Bracket
4	85567287	1	Filter	17	9594617	1	Nipple
5	85567295	1	Filter	18	9595423	1	Tee
6	85566313	1	Clamp	19	2205543	1	Valve, ball
7	9593752	3	Connector	20	85561512	1	Hose assembly
8	9524531	2	Bush, reducing	21	2272017	1	Tee
9	2260137	2	Connector	22	2271674	1	Bracket
10	9593764	2	Elbow	23	3915565	1	Elbow
11	85561009	1	Hose assembly	24	2282333	1	Foam
12	23339161	1	Bracket	25	9271505	1	Adaptor
13	96701958	6	Screw	26	9249033	AR	Tube (Nylon)

20-25HP / 15-18.5kW



Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
27	22420046	1	Connector	33	85561512	1	Hose assembly
28	22410674	1	Clamp	34	85561496	1	Hose assembly
29	96702394	1	Screw	35	96728225	1	Connector
30	96737564	1	Nut	36	96704408	4	Screw
31	22359632	1	T ransducer, pressure	37	96701396	1	Washer
32	39875570	1	Cable	38	22480404	1	Washer

30-40HP / 22-30kW



22779128 REV. L

Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22695332	1	Dryer 50Hz	14	85561686	1	Hose assembly
	22666671	1	Dryer 60Hz	15	95219770	1	Connector
2	85562221	1	Hose assembly	16	95954236	1	Tee
3	95505582	1	Connector	17	95937660	1	Elbow
4	85567337	1	Filter	18	85561850	1	Hose assembly
5	95245361	2	Bushing	19	92478262	1	Connector
6	22601389	2	Elbow	20	22769145	1	Bush, reducing
7	85566313	1	Clamp	21	22823330	1	Foam
8	85567329	1	Filter	22	95953600	1	Nipple
9	23339187	1	Bracket	23	22822415	1	Bracket
10	92368687	2	Screw	24	92368687	2	Screw
11	23339161	1	Bracket	25	22652036	1	Valve, ball
12	22480404	1	Clamp	26	95481446	1	Tee
13	95476081	1	Elbow	27	85562296	1	Hose assembly
				28	22822605	1	Elbow

0HP / 22-30kW

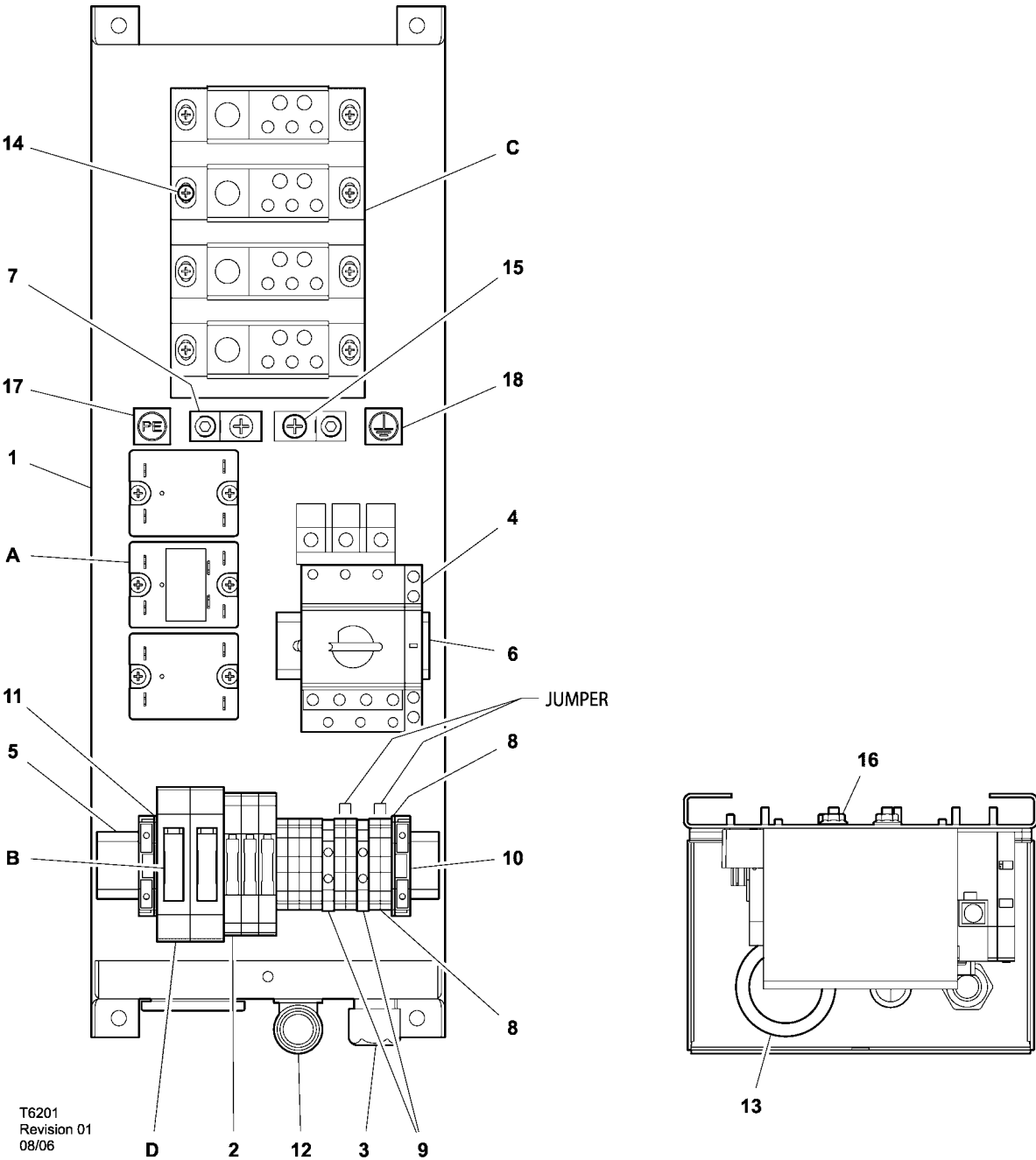
This exploded view diagram illustrates the assembly of a 0HP / 22-30kW heat pump unit. The central component is the main heat pump assembly (1), which includes a compressor, condenser, and evaporator. Key components and their assembly points are labeled as follows:

- 1**: Main heat pump assembly.
- 2**: Evaporator coil assembly.
- 3**: Condenser coil assembly.
- 4**: Compressor assembly.
- 5**: Mounting brackets for the evaporator and condenser coils.
- 6**: Screws for mounting the evaporator and condenser coils.
- 7**: Evaporator coil cap.
- 8**: Condenser coil cap.
- 9**: Mounting bracket for the evaporator coil.
- 10**: Screws for mounting the evaporator coil bracket.
- 11**: Mounting bracket for the condenser coil.
- 12**: Screws for mounting the condenser coil bracket.
- 13**: Evaporator coil cap.
- 14**: Evaporator coil cap.
- 15**: Mounting bracket for the condenser coil.
- 16**: Mounting bracket for the condenser coil.
- 17**: Mounting bracket for the condenser coil.
- 18**: Mounting bracket for the condenser coil.
- 19**: Mounting bracket for the condenser coil.
- 20**: Mounting bracket for the condenser coil.
- 21**: Mounting bracket for the condenser coil.
- 22**: Mounting bracket for the condenser coil.
- 23**: Mounting bracket for the condenser coil.
- 24**: Mounting bracket for the condenser coil.
- 25**: Mounting bracket for the condenser coil.
- 26**: Mounting bracket for the condenser coil.
- 27**: Mounting bracket for the condenser coil.
- 28**: Mounting bracket for the condenser coil.
- 29**: Mounting bracket for the condenser coil.
- 30**: Mounting bracket for the condenser coil.
- 31**: Mounting bracket for the condenser coil.
- 32**: Mounting bracket for the condenser coil.
- 33**: Mounting bracket for the condenser coil.
- 34**: Mounting bracket for the condenser coil.
- 35**: Mounting bracket for the condenser coil.
- 36**: Mounting bracket for the condenser coil.
- 37**: Mounting bracket for the condenser coil.
- 38**: Mounting bracket for the condenser coil.
- 39**: Mounting bracket for the condenser coil.
- 40**: Mounting bracket for the condenser coil.
- 41**: Mounting bracket for the condenser coil.
- 42**: Mounting bracket for the condenser coil.
- 43**: Mounting bracket for the condenser coil.
- 44**: Mounting bracket for the condenser coil.
- 45**: Mounting bracket for the condenser coil.
- 46**: Mounting bracket for the condenser coil.

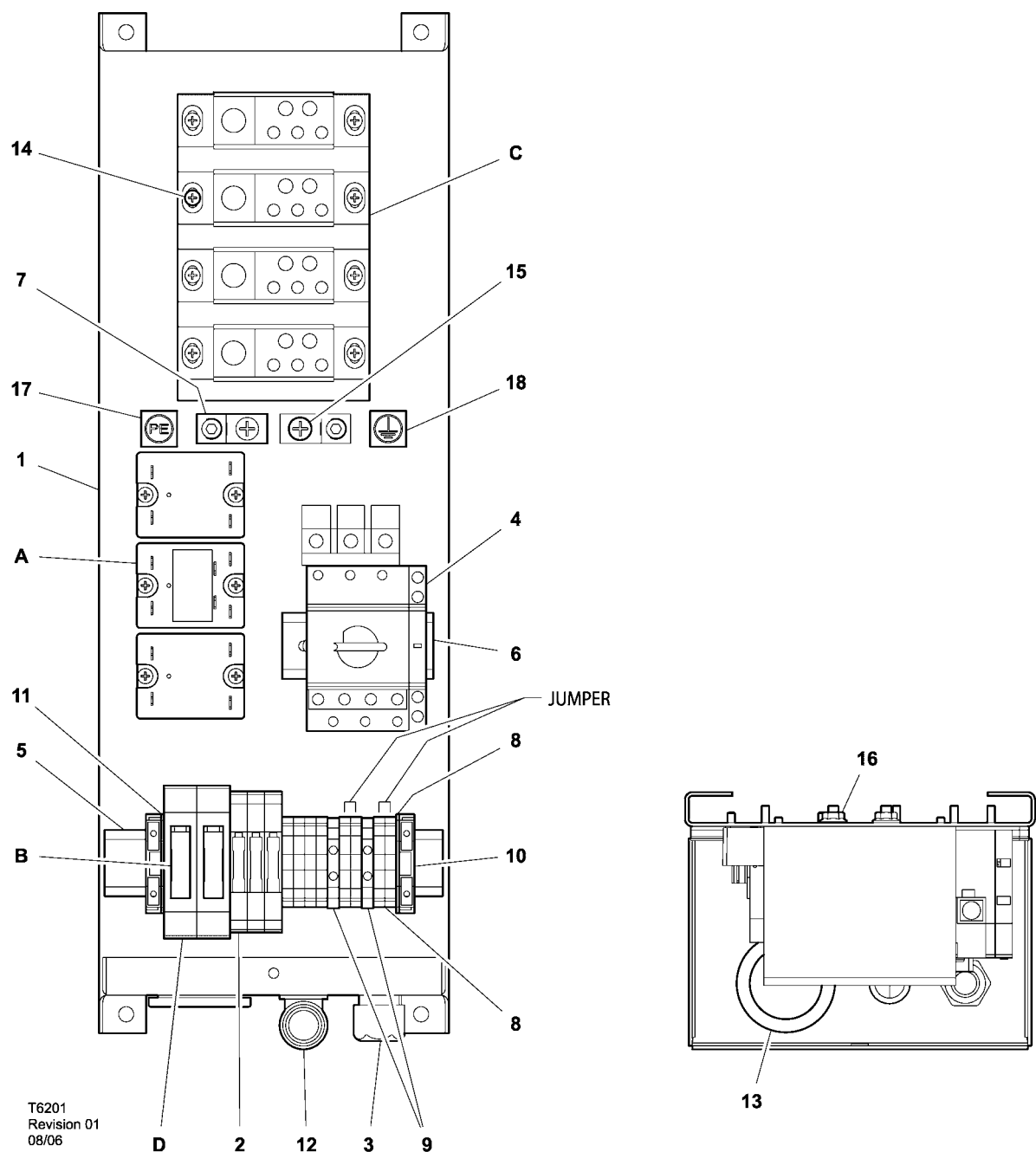
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
29	85561751	1	Hose assembly	37	22420046	1	Connector
30	22782163	1	Elbow (w/side port)	38	22410674	1	Clamp
31	95950341	1	Bush, reducing	39	92368687	1	Screw
32	22776157	1	Bracket	40	96737564	1	Nut
33	92368687	2	Screw	41	22359632	1	Transducer, pressure
34	39155650	1	Elbow	42	39875570	1	Cable
35	92715051	1	Adaptor	43	96712245	4	Screw
36	92490358	AR	Tube (Nylon)	44	96701396	4	Washer
				45	96701958	6	Screw
				46	96727581	6	Washer

21

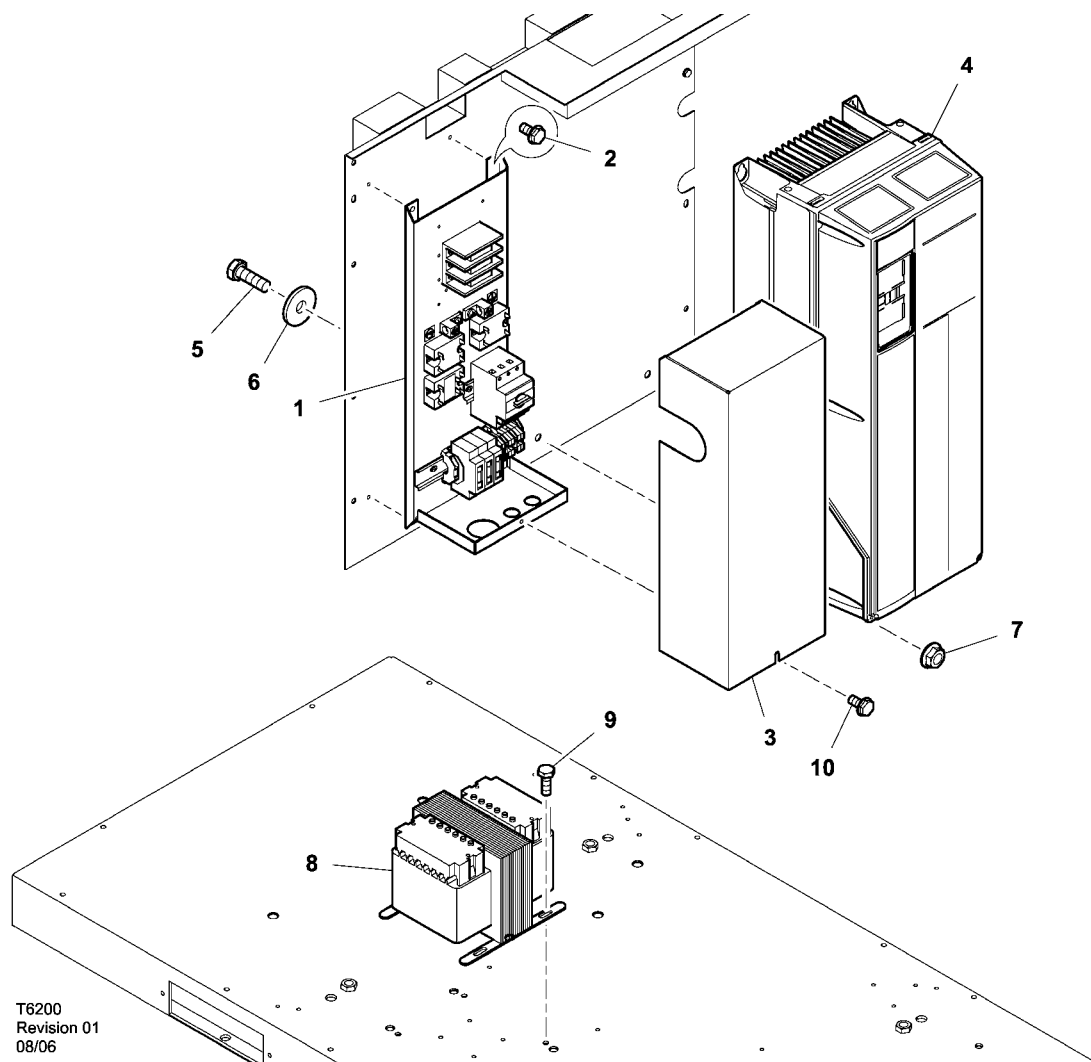
ELECTRICAL PANEL



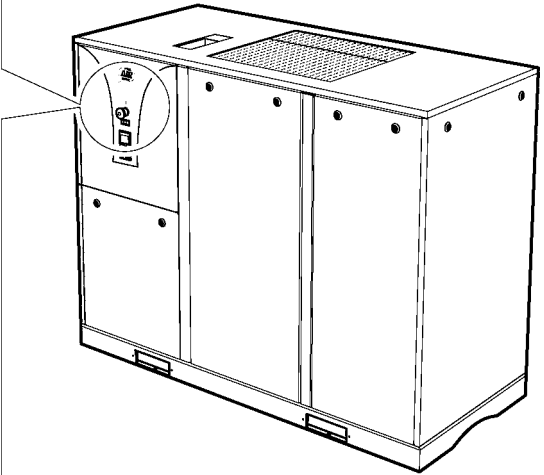
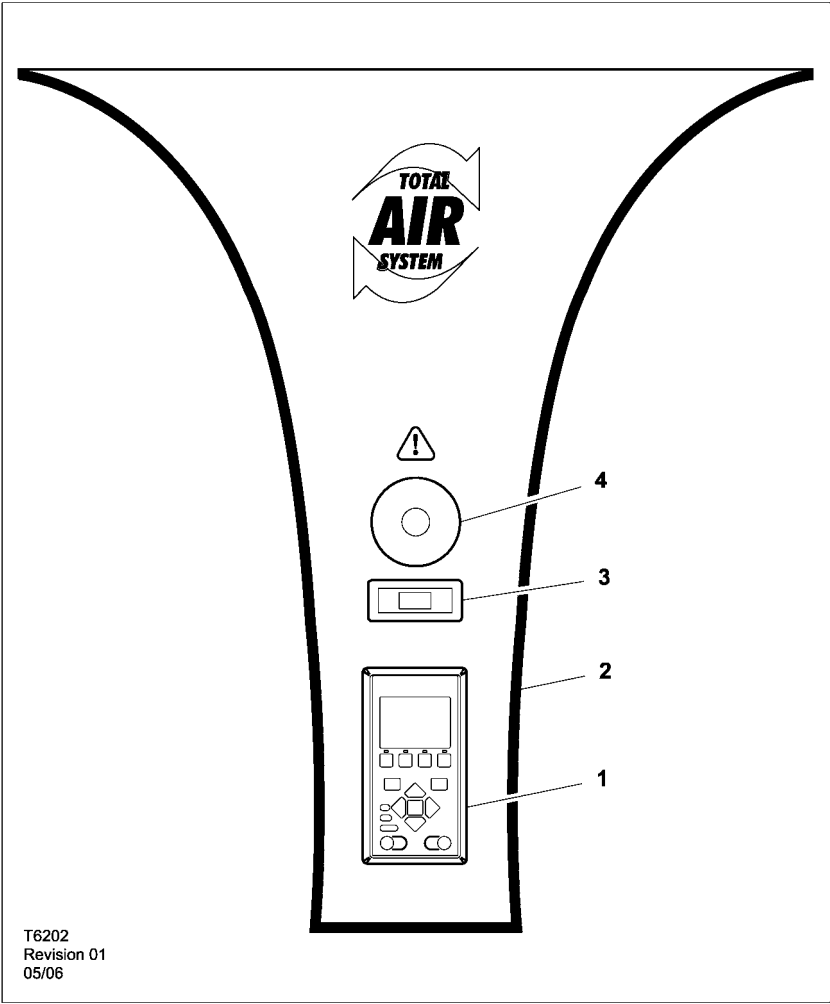
Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	12957237	1	Panel, electrical	8	39252903	8	Block, terminal
2	22071823	AR	Block, terminal	9	39252911	2	Block, terminal
3	22224976	1	Connector	10	39252937	2	Block, end stop
4	22822498	1	Starter, manual, motor 2.5A	11	22546899	2	Stop
	22822480	1	Starter, manual, motor 4A	12	54472485	1	Elbow
	22822472	1	Starter, manual, motor 6.3A	13	54726104	1	Grommet
5	22750558	1	Rail	14	96705405	AR	Screw
6	22815807	1	Rail	15	96741350	2	Screw
7	32342123	2	Lug, power grounding	16	96737564	2	Nut
				17	22559413	1	Decal PE, ground
				18	22477244	1	Decal ground



Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
A	22320022	AR	Relay 25A	22708952	AR	Fuse 8A	
	22320014	AR	Relay 25A double pole	22708986	AR	Fuse 10A	
	22821706	AR	Relay 40A	22709000	AR	Fuse 15A	
	22821698	AR	Relay 40A, double pole	C	22779391	AR	Block power 1-pole 175A
B	22660021	AR	Fuse 100mA	22779383	AR	Block power 1-pole 310A	
	81291601	AR	Fuse .5A	22288237	AR	Block power 3-pole 175A	
	22828685	AR	Fuse 1A	22752182	AR	Block power 3-pole 310A	
	22950620	AR	Fuse 1.5A	D	22477152	AR	Fuse, holder TAS 1-pole
	22950638	AR	Fuse 2A	22505788	AR	Fuse, holder TAS 2-pole	
	22950646	AR	Fuse 3A	22344253	AR	Fuse, holder TAS 3-pole	



Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22957302	1	Electrical panel assembly LV TAS W-transformer		22957476	1	Electrical panel assembly HV non-TAS 30-40HP/22-30kW W/O-transformer
	22957310	1	Electrical panel assembly LV TAS 30-40HP/22-30kW W-transformer	2	92368687	4	Screw
	22957328	1	Electrical panel assembly LV TAS W/O-transformer	3	22957245	1	Cover
	22957336	1	Electrical panel assembly LV TAS 30-40HP/22-30kW W/O-transformer	4	22794473	1	Drive assembly HV 20-25HP/15-18.5kW
	22957344	1	Electrical panel assembly LV non-TAS W-transformer		22794481	1	Drive assembly LV 20-25HP/15-18.5kW
	22957369	1	Electrical panel assembly LV non-TAS 30-40HP/22-30kW W-transformer		22794515	1	Drive assembly HV 30-40HP/22-30kW
	22957377	1	Electrical panel assembly LV non-TAS W/O-transformer		22794523	1	Drive assembly LV 30-40HP/22-30kW
	22957385	1	Electrical panel assembly LV non TAS 30-40HP/22-30kW W/O-transformer	5	96702253	4	Screw M8
	22957393	1	Electrical panel assembly HV TAS W-transformer		96702287	4	Screw M10
	22957401	1	Electrical panel assembly HV TAS 30-40HP/22-30kW W-transformer	6	96740188	4	Washer M8
	22957419	1	Electrical panel assembly HV TAS W/O-transformer		96745583	4	Washer M10
	22957427	1	Electrical panel assembly HV TAS 30-40HP/22-30kW W/O-transformer	7	96704416	4	Nut M8
	22957435	1	Electrical panel assembly HV non-TAS W-transformer		96737572	4	Nut M10
	22957443	1	Electrical panel assembly HV non-TAS 30-40HP/22-30kW W-transformer	8	22650261	1	Transformer 1500VA
	22957468	1	Electrical panel assembly HV non-TAS W/O-transformer		22650279	1	Transformer 2000VA
					22950612	1	Transformer 250VA
					22957864	1	Transformer 20VA
				9	96701958	4	Screw M6
					96701479	4	Screw M10
					96738828	4	Screw M5 Phillips head
				10	96702394	1	Screw



Item	ccn	Qty.	Description	Item	ccn	Qty.	Description
1	22685317	1	Controller	3	22454540	1	Indicator, dew point
2	22806871	1	Decal Receiver Mounted TAS Packages	4	22835631	1	Button, emergency stop
	22872527	1	Decal Receiver Mounted CC Packages				
	22831903	1	Decal Receiver Mounted TAS Packages				
	22872535	1	Decal Receiver Mounted CC Packages				

Item	ccn	Qty.	Description
*1	80445364	1	Manual, Operation and Maintenance (Americas)
*1	80445406	1	Manual, Operation and Maintenance (Europe)
*1	80445380	1	Manual, Operation and Maintenance (Asia-Pacific)
*2	80445372	1	Manual, Parts catalogue

ccn	Description	ccn	Description
Intellikey Kits			
22794556	Kit, Intellikey– 20HP / 15kW		
22794572	Kit, Intellikey– 25HP / 18.5kW		
22794598	Kit, Intellikey– 30HP / 22kW		
22794614	Kit, Intellikey– 40HP / 30kW		
Drive Kits			
22794481	Drive– 20HP / 15kW, L.V.		
22794473	Drive– 20HP / 15kW, H.V.		
22794523	Drive– 30HP / 22kW, L.V.		
22794515	Drive – 30HP / 22kW, H.V.		
22837835	Kit, Drive fan–20–25HP / 15–18.5kW, H.V.		
22837843	Kit, Drive fan–20–25HP / 15–18.5kW, L.V. & 30–40HP / 22–30kW, H.V.		
22561708	Kit, Drive fan–30–40HP / 22–30kW, L.V.		
22837868	Kit, Control card		
Motor / Drive Kits			
22911804	Motor– 20–25HP / 15–18.5kW		
22911812	Motor– 30–40HP / 22–30kW		
22894497	Kit, Rotor– 20–25HP / 15–18.5kW		
22894505	Kit, Rotor– 30–40HP / 22–30kW		
22860563	Puller, Motor rotor		
LV = 200 – 230V, HV = 380 – 460V			

27 RECOMMENDED PARTS

ccn	Description	ccn	Description
Start Up Kit		Repair Kits	
23352354	Kit – Start up (USA)	22872857	Kit – Thermal valve rebuild
		22792519	Kit – Shaft seal repair
		37956059	Kit – Minimum pressure check valve rebuild
Maintenance Kits		Option Kits	
23352362	Kit – 2000 & 8000 Hour 20–25HP/ 15-18.5kW (TAS)	22911382	Kit, sequencing
23352370	Kit – 2000 & 8000 Hour 20–25HP/ 15-18.5kW w/High dust filter (TAS)		
23352388	Kit – 2000 & 8000 Hour 30–40HP/ 22-30kW (TAS)		
23352396	Kit – 2000 & 8000 Hour 20–25HP/ 15-18.5kW (Without air treatment system)		
23353404	Kit – 2000 & 8000 Hour 20–25HP/ 15-18.5kW w/High dust filter (Without airtreatment system)		
23352412	Kit – 2000 & 8000 Hour 30–40HP/ 22-3-kW (Without air treatment system)		

ccn	Description	ccn	Description
Coolant			
92692284	Ultra coolant 5 L		
38439582	Ultra coolant 20 L		
92837095	Ultra coolant 1L		
Coolant Check			
88176367	KIT – <i>ULTRA CHECK</i> 1 x SAMPLE		
Spare Parts			
89295976	Element, air filter 20–25HP / 15–18.5kW		
35393685	Element, air filter 20–25HP / 15–18.5kW w/High dust filter option		
22203095	Element, air filter 30–40HP / 22–30kW		
54672654	Filter, coolant		
54749247	Element, separator		
38440566	Pre filter		
22835631	Button, emergency stop		
22401590	Valve, safety (PED)		
22378665	Valve, safety (ASME)		
22856934	Valve, safety (PED)		
22660021	Fuse 100mA Time delay		
22708952	Fuse 8A Time delay		
22708986	Fuse 10A Time delay		
22709000	Fuse 15A Time delay		
88343124	Element, filter IRGP123		
88343157	Element, filter IRHE123		
88343132	Element, filter IRGP216		
88343165	Element, filter IRHE216		