



SERVICE MANUAL BMP-335 EHY/GHY

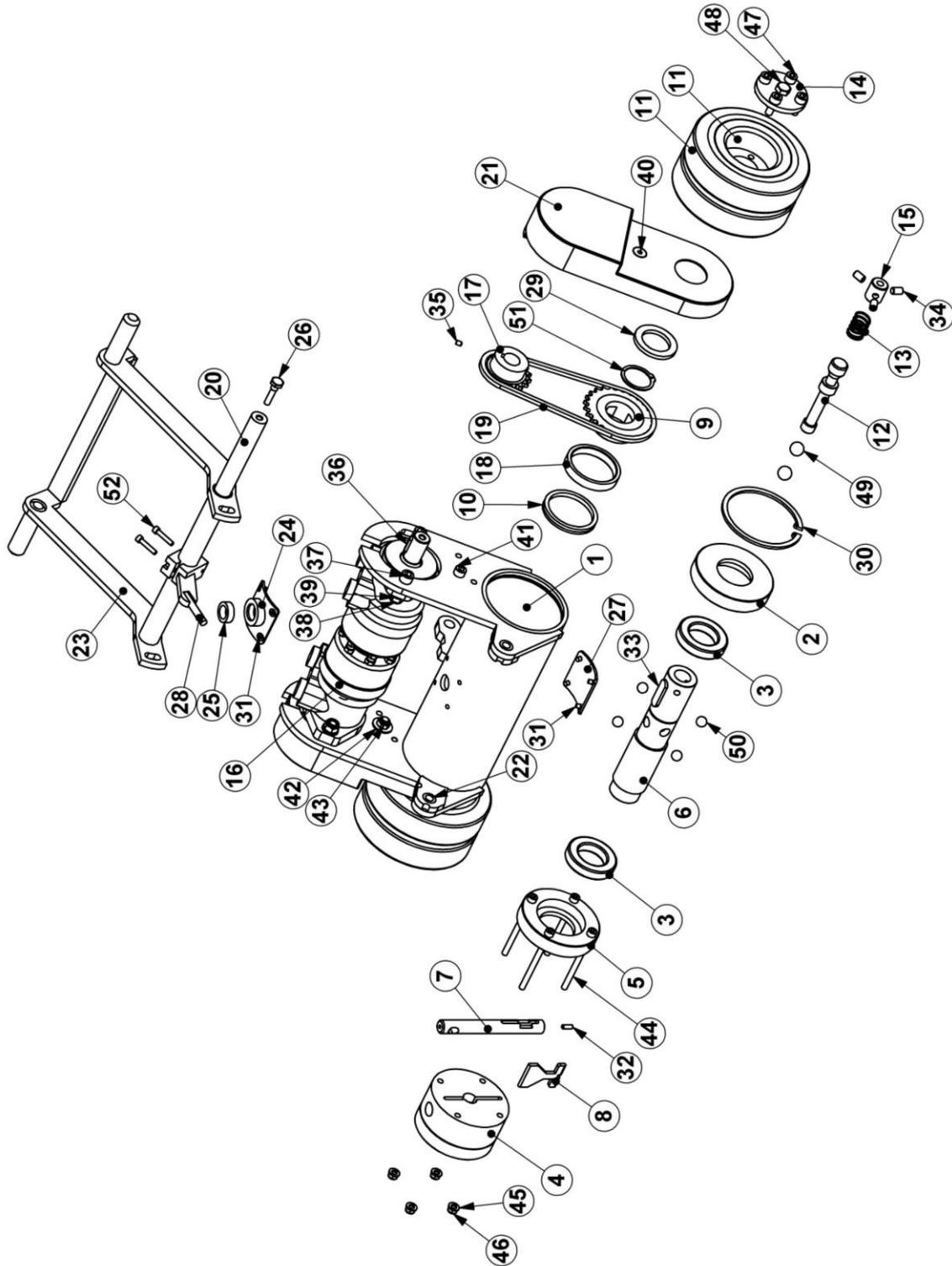
VERSION 2.0

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1. Spare parts

Drive unit



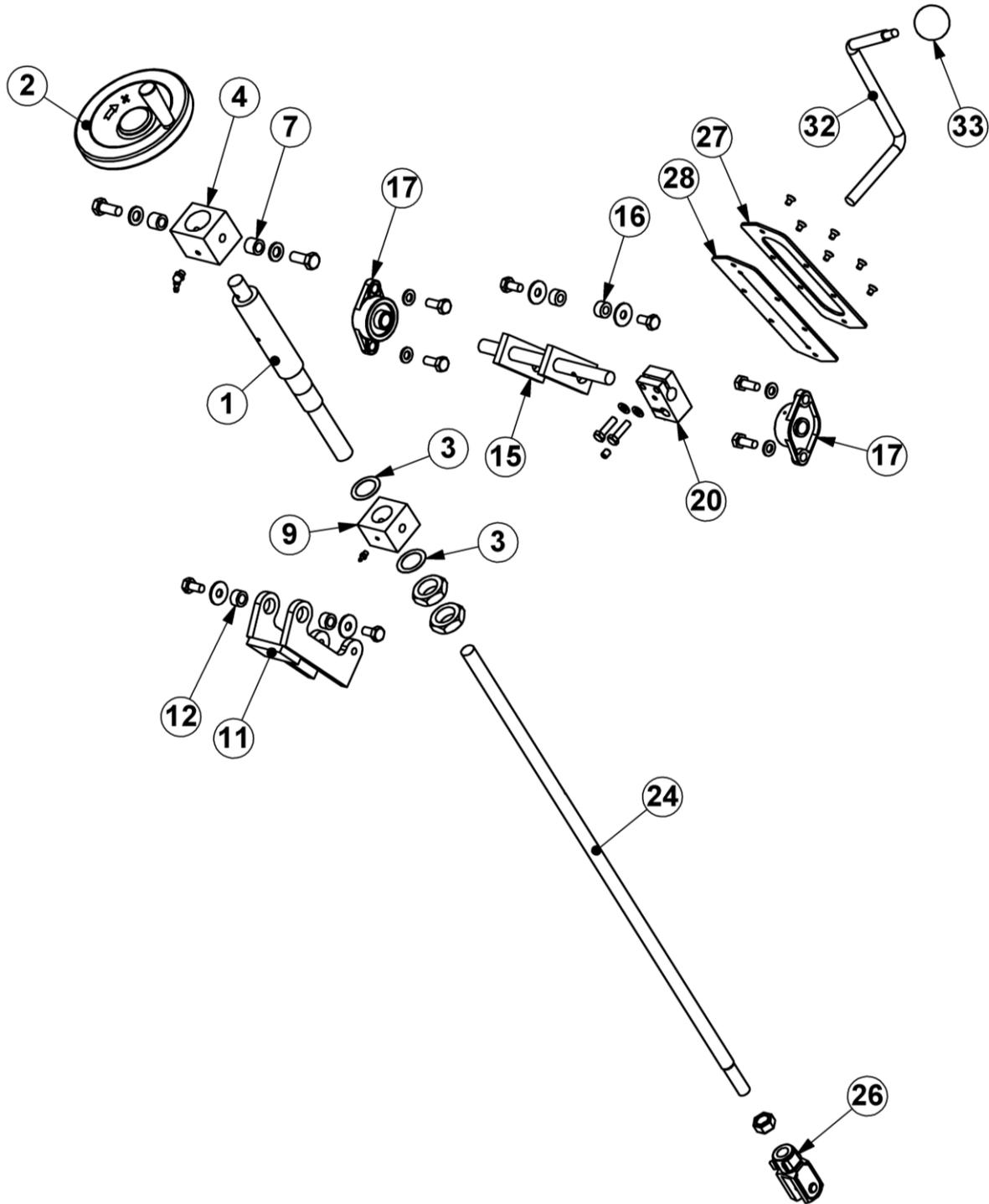


Drive unit

Item	Blastrac Part number	HQV Part number	Description	Qty.
1	E03854	533240001	Drive bracket	1
2	E03863	534315801	Bearing house outer	2
3	E01477	533921501	Bearing	4
4	E03855	534396601	Clutch house	1
5	E03862	534315101	Bearing house inner	2
6	E03864	533529301	Wheel shaft	2
7	E03860	533533401	Shaft slide plate	1
8	E03861	533532901	Slide plate	1
9	E03936	534361801	Bottom sprocket	2
10	E03939	534929801	V-ring seal	2
11	E03935	533405901	Wheel complete	2
12	E03865	534414201	Coupling shaft	2
13	E03942	534868901	Spring	2
14	E03869	534561401	End plate	2
15	E03866	531456701	Spring retainer	2
16	350-4005-S	533635501	Hydraulic motor	2
17	E03945	534870901	Sprocket	2
18	E03937	534515501	Distance ring	2
19	E00237 (1.5M)+ E00238 + E00451	534024701 533930301 533777001	Chain complete	2
20	E03870	533205501	Hinge shaft	1
21	E03871	531495901	Chain guard	2
22	E03943	533183401	Bush	2
23	E03948	533093601	Treadle	1
24	E03946	534542001	Dust protection	1
25	E03947	533544401	Felt seal	1
26	E04035	533235101	Hinge bolt	2
27	E04034	531495301	Cover plate	1
28	E04037	531468001	Lever	1
29	E04462	533544501	Felt seal	2
30			Circlip Ø120	2
31			M6x10 Hexagon socket screw	8
32			M6x16 Hexagon socket screw	1
33			14x9x50 Parallel key	2
34			M10x16 Hexagon socket screw	6
35			M6x8 HEXAGON SOCKET SCREW	2
36			30x8x7 Parallel key	2
37			M12x40 Hexagon Socket Head Cap	4
38			M12-Plastic Insert Nut	4
39			M12-Washer	4
40			M10x40 Countersunk Head Screw	2
41			M10x35 Hexagon Socket Head Cap	2
42			M10-Washer Ø30	2
43			M10-Plastic Insert Nut	2
44			M8x110 Hexagon Socket Head Cap	4
45	BE0003	533808601	M8 Washer	4

46			M8 Plastic insert nut	4
47			M10x25 Hexagon Socket head cap	8
48			M12x35 Bolt	2
49	E03941	534307501	Ball Ø20	4
50	E03940	534307601	Ball Ø20	8
51			Circlip Ø45	2
52			M6x30 Hexagon Socket Head Cap	2

Lifting device

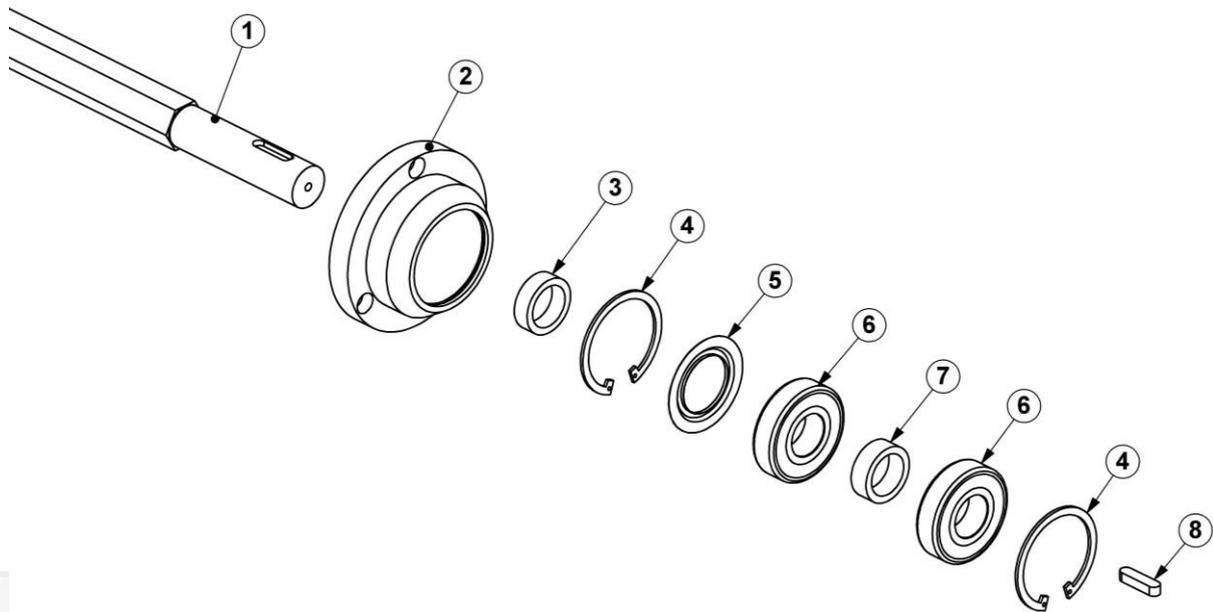




Lifting device

Item	Blastrac Part number	HQV Part number	Description	Qty.
1	E03349	533531901	Spindle sleeve	1
2	E03353	533542701	Handwheel	1
3	E03352	533380901	Shim 40x28x0.5	2
4	E03350	534915001	Upper bearing	1
7	E03326	534372001	Bush	2
9	E03351	533538101	Lower bearing	1
11	E03356	534656301	Knee lever	1
12	E03363	534373301	Bushing	2
15	E03358	533245601	Knee lever axle	1
16	E03362	531469501	Bushing	2
17	E03359	534311801	Bearing	2
20	E03360	533241001	Clamping piece	1
24	E03355	533217101	Spindle	1
26	IR-FJ-04 M16x16x25 Fork Joint	-		1
27	E03368	533262201	Gasket cover plate	1
28	E03367	534601701	Gasket	1
32	E03365_1	533636301	Lever	1
33	E03365_2	533742401	Knob lever	1

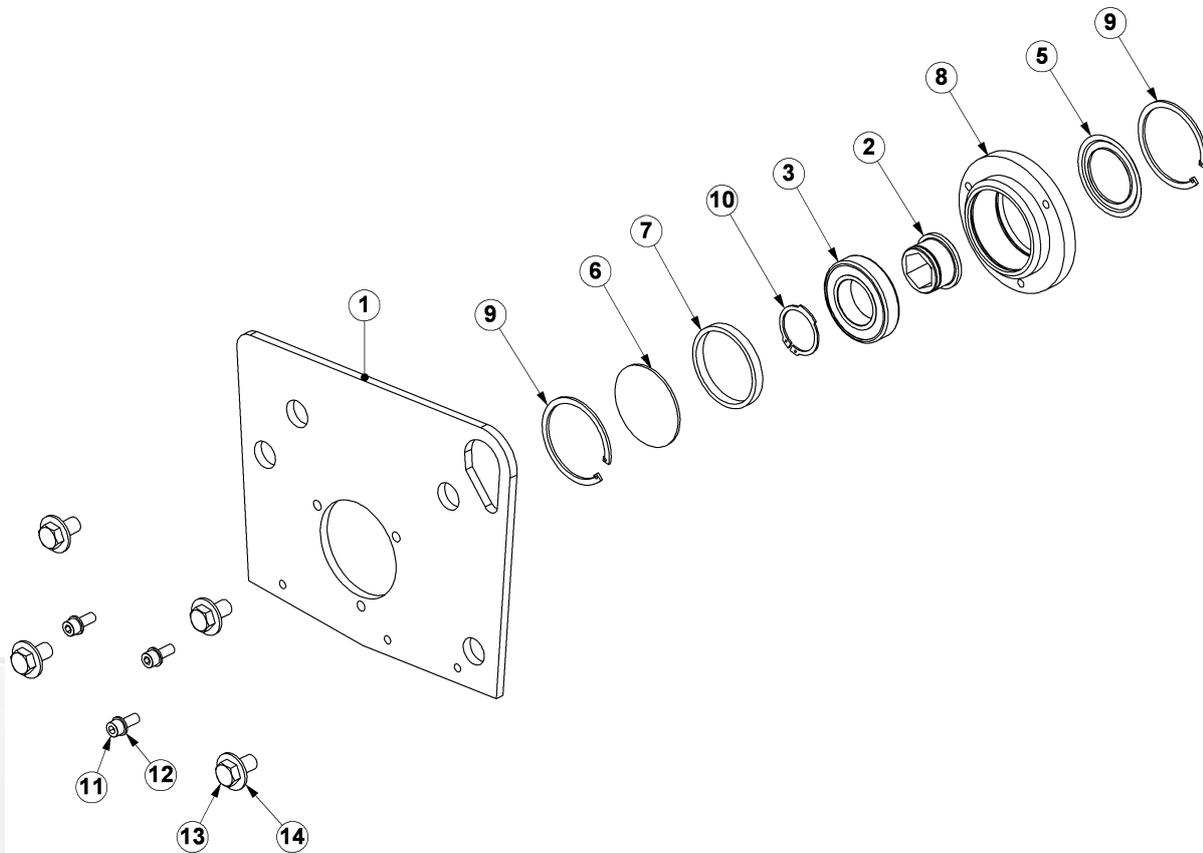
Bearing unit complete E03952



Item	Blastrac Part number	HQV Part number	Description	Qty.
1	E04041	533883301	Hexagon drive shaft	1
2	E03313	533142301	Bearing house left	1
3	E04042	533545801	Distance ring	1
4	BE0107	533344001	Circlip Ø80	2
5	E03312	533535601	Protection ring	1
6	E03991	533549601	Bearing	2
7	E03316	533545901	Distance bush	1
8	BE0661	533459901	Parallel key 10x8x50	1
1 - 8	E03952	533285001	Bearing unit complete	1

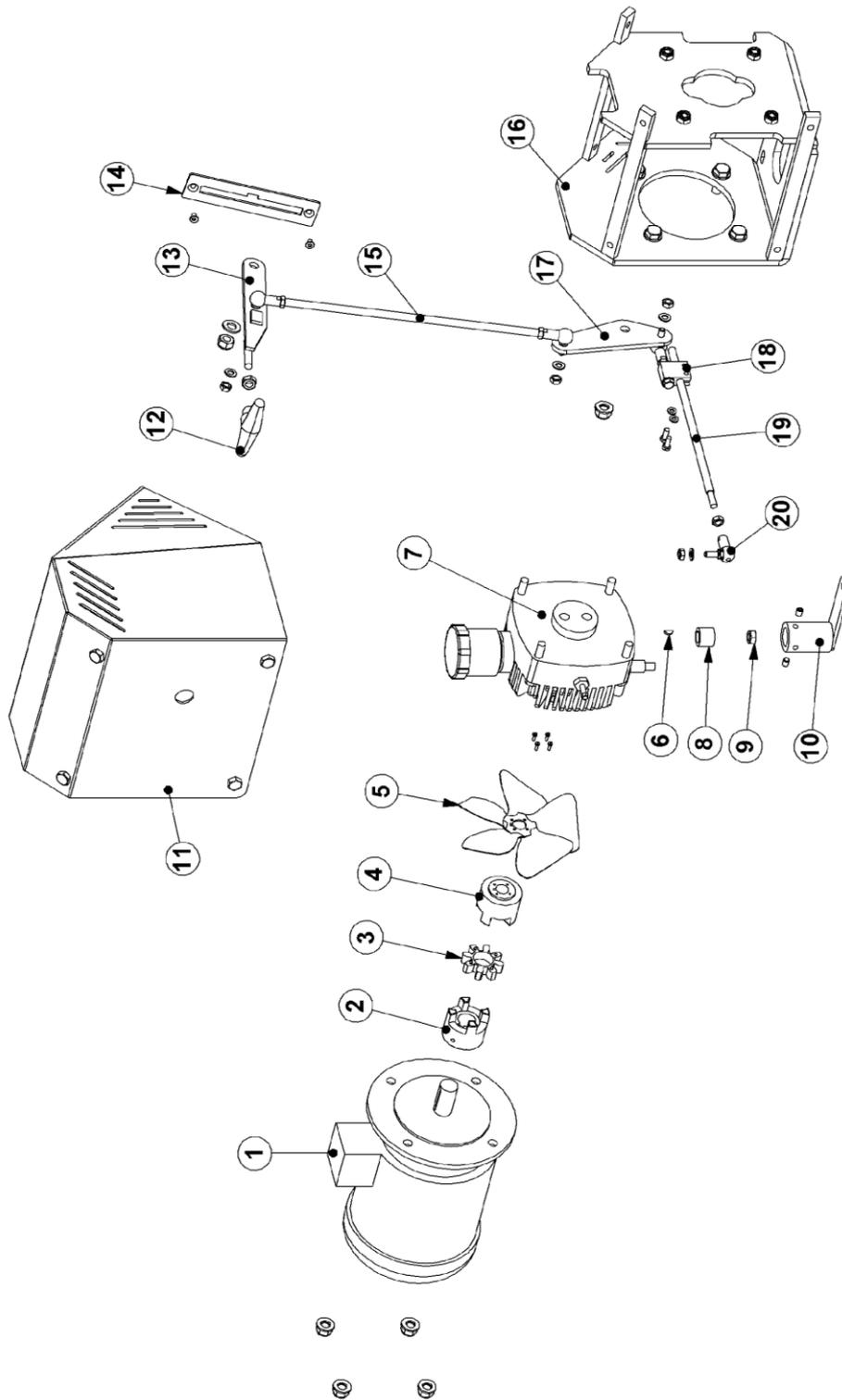


Side plate & bearing unit



Item	Blastrac Part number	HQV Part number	Description	Qty.
1	E06312	533034801	Side plate only	1
	E03932	533532401	Side plate only (For BMP's before 07-2010)	1
2	E03309	533658001	Hexagon driving support	1
3	E03992	533549701	Bearing	1
5	E03310	533535501	Protection ring	1
6	E03307	533546301	Cover disk	1
7	E03308	533015701	Distance ring	1
8	E03305	533666001	Bearing housing right	1
9	E03993	533371101	Circlip Ø90	2
10	BE0126	533220501	Circlip Ø50	1
11	BE0443	533763201	M10x25 Hexagon Socket Head Cap	3
12	BE0004	533268701	M10-Washer	3
13	BE0585	534686801	M16x30 Bolt	4
14	BE0306	534686501	M16-Washer	4
2-10	E03953	533621501	Bearing unit complete	1

Hydraulic pump & drive control of BMP-335 EHY

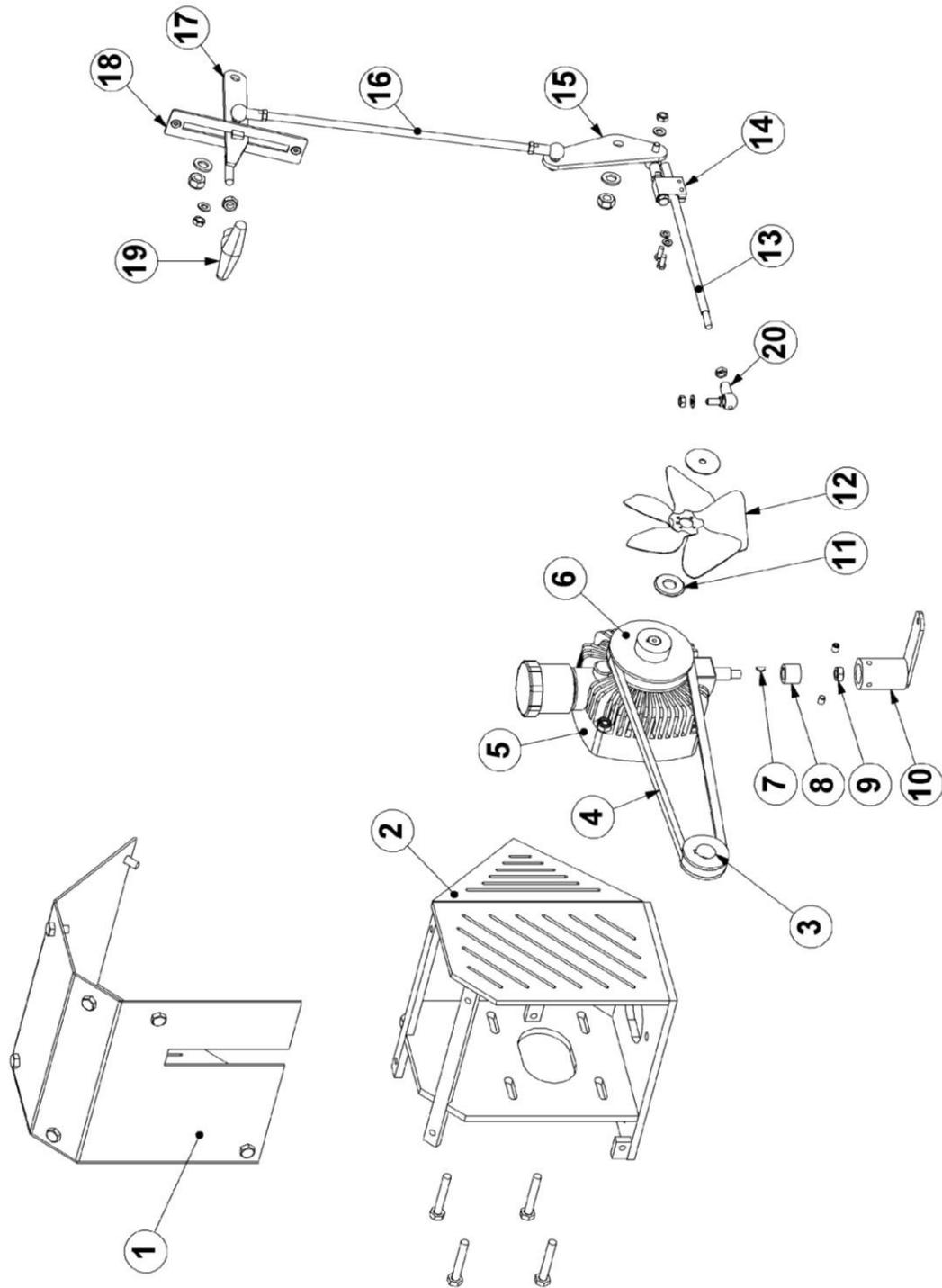




Hydraulic pump & drive control of BMP-335 EHY

Item	Blastrac Part number	HQV Part number	Description	Qty.
1	E04001	533535001	Pump motor	1
2	E04050	533546501	Coupling part 1	1
3	E04052	533061801	Coupling insert	1
4	E04051	533546401	Coupling part 2	1
5	E03378	533423001	Fan	1
6	E03996_8	533160401	1/8 x 1/2 Woodruff key	2
7	E03996-1	533882801	Hydraulic gearbox	1
8	E04008	534262801	Adapter	1
9	BE0639	534733401	Nut 3/8-16 UNC	1
10	E03379	534670701	Lever	1
11	E04004	533046601	Cover	1
12	E03387	534685001	T-grip	1
13	E03984	531482901	Lever	1
14	E03366	533389601	Lock-in plate	1
15	E03385	533220701	Threated end	1
16	E04002	533108901	Bracket hydropump	1
17	E03985	533563801	Lever plate	1
18	E03388	534394101	Clamping piece	1
19	E03983	531457901	Rod	1
20	B20929	533793601	M8 Ball & socket joint	3

Hydraulic pump & drive control of BMP-335 GHY



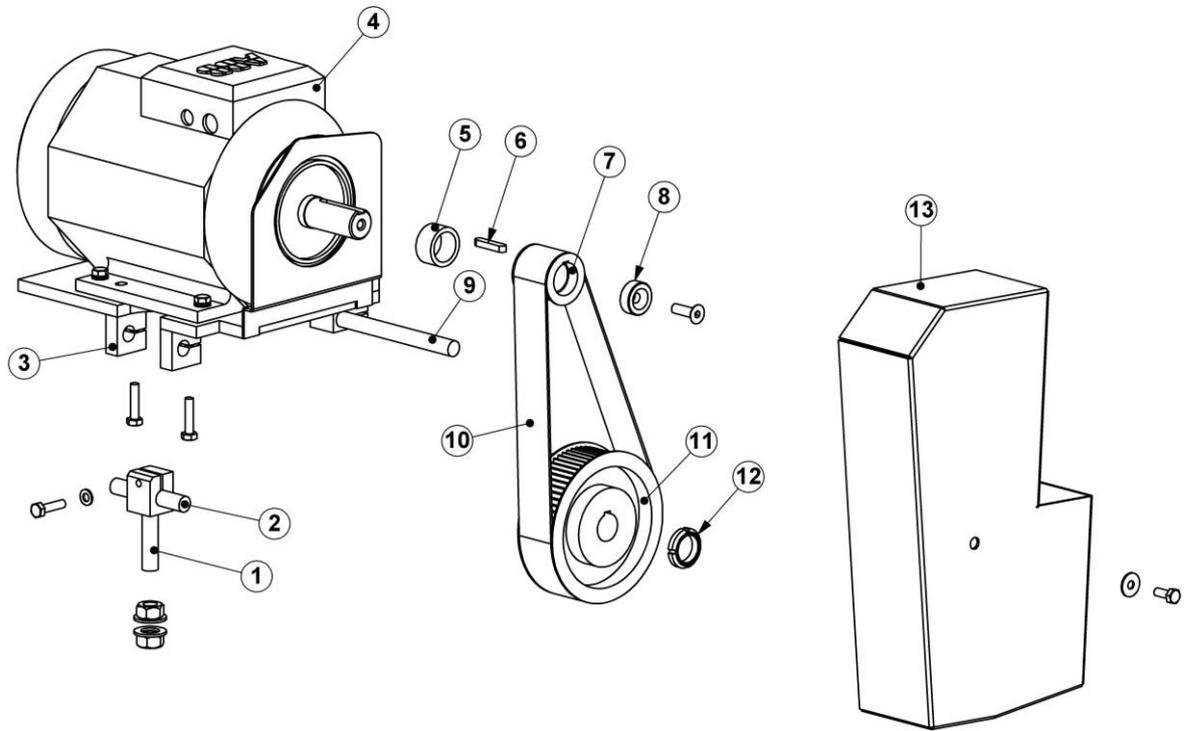


Hydraulic pump & drive control of BMP-335 GHY

Item	Blastrac Part number	HQV Part number	Description	Qty.
1	E04797	534415201	Cover	1
2	E04795	534364001	Bracket hydropump	1
3	E04780	534791101	Pulley	1
4	E06052	533469701	Belt	1
5	E03373	534638801	Hydraulic pump	1
6	E03375	534926301	V-belt pulley	1
7	E03996_8	533160401	1/8 x 1/2 Woodruff key	2
8	E04008	534262801	Adapter	1
9	BE0639	534733401	Nut 3/8 – 16 UNC	1
10	E03379	534670701	Lever	1
11	E03376	534785501	Pulley washer	1
12	E06013	534570301	Fan	1
13	E03983	531457901	Rod	1
14	E03388	534394101	Clamping piece	1
15	E03985	533563801	Lever plate	1
16	E03385	533220701	Threaded end	1
17	E03984	531482901	Lever	1
18	E03366	533389601	Lock-in plate	1
19	E03387	534685001	T-grip	1
20	B20929	533793601	M8 Ball & socket joint	3



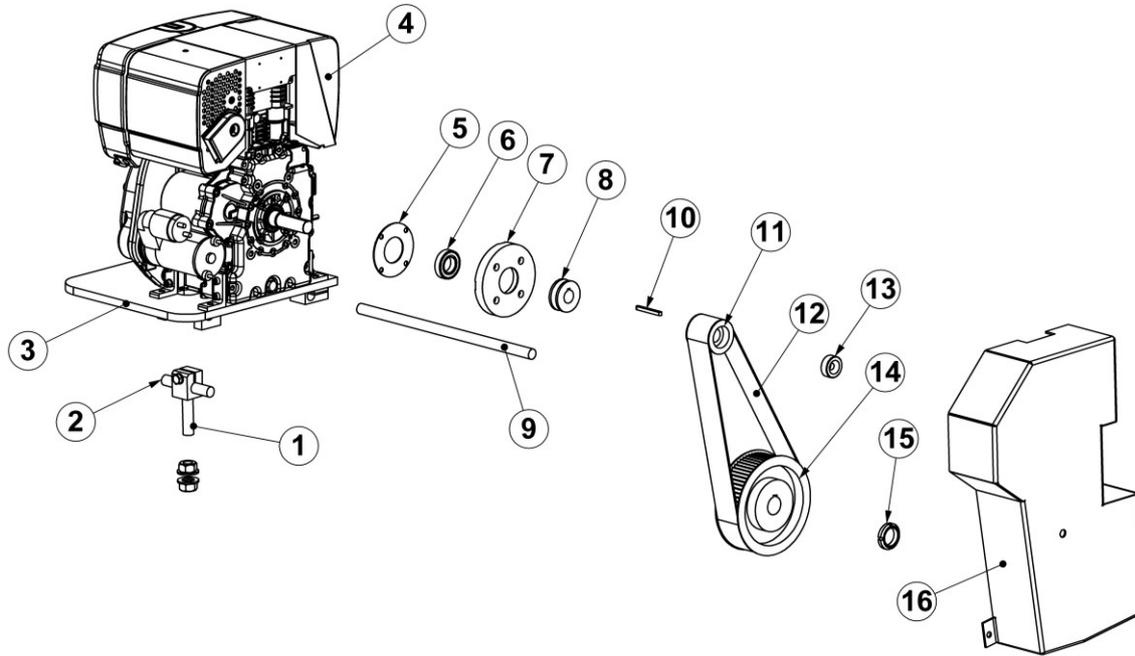
Drive BMP-335 EHY



Item	Blastrac Part number	HQV Part number	Description	Qty.
1	E03392	534571201	Eye bolt	1
2	E03393	534357001	Bolt	1
3	E03977	533388201	Motor base plate	1
4	E04058	533654501	Motor 11 kW	1
5	E04014	534514301	Distance bush	1
6	BE0661	533459901	Parallel key 10x8x50	1
7	E03404	533535301	Pulley	1
	E04660	533037601	Pulley for 60Hz	1
8	E04013	533015301	Fixation bush	1
9	E03978	533506801	Shaft motor base plate	1
10	E04009	533843101	Belt	1
11	E03406	533535401	Pulley	1
12	BE0087	533587301	M35x1.5 slotted nut	1
13	E03998	531486201	Belt guard	1



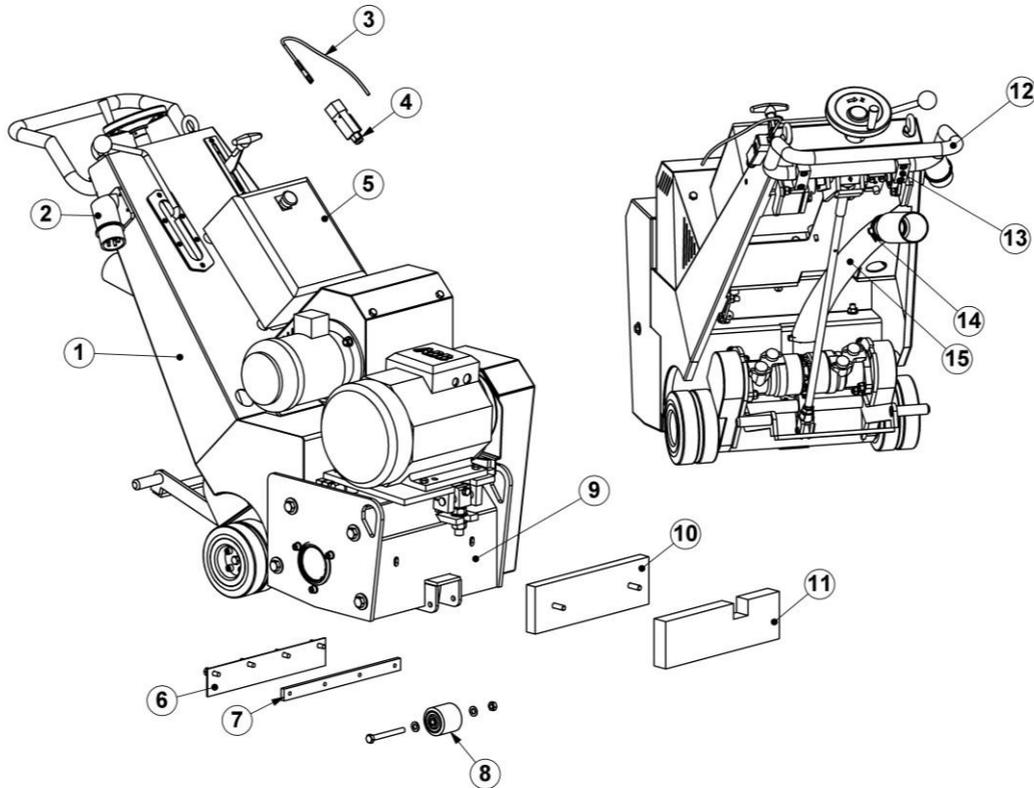
Drive BMP-335 GHY



Item	Blastrac Part number	HQV Part number	Description	Qty.
1	E03392	534571201	Eye bolt	1
2	E03393	534357001	Bolt	1
3	E04774	534715201	Motor base plate	1
4	E04757	533637701	Diesel motor	1
5	E04049	534574201	Fill up plate	1
6	E03963	534312001	Bearing	1
7	E04047	534877801	Suspension bearing flange	1
8	E04780	534791101	Pulley	1
9	E03978	533506801	Shaft motor base plate	1
10			Parallel key	1
11	E04784	534785001	Pulley	1
12	E06004	533110501	Belt	1
13	E04013	533015301	Fixation bush	1
14	E03406	533535401	Pulley	1
15	BE0087	533587301	M35x1.5 slotted nut	1
16	E04798	534322301	Belt guard	1



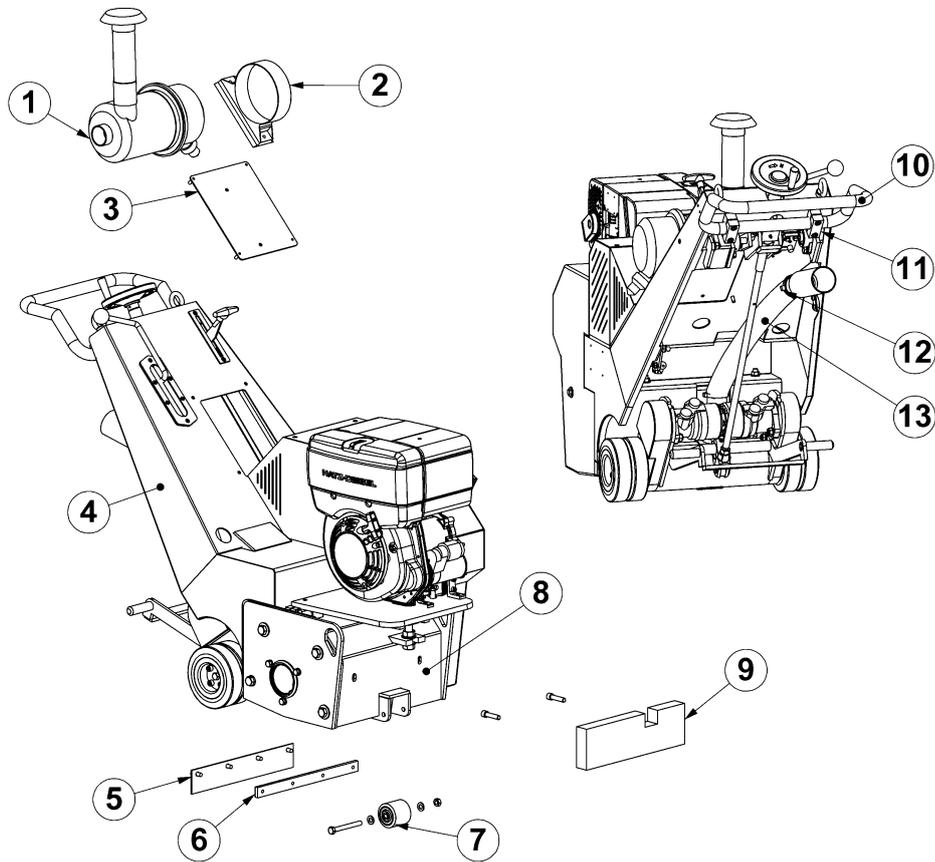
General parts for BMP-335 EHY



Item	Blastrac Part number	HQV Part number	Description	Qty.
1	E03974	534704901	Main body	1
2	DG17	534386101	Socket box	1
3	BG11758	533810801	Cord for deadman switch	1
4	BG11760	533387401	Deadman switch	1
5	E03997	534560201	Electrical panel	1
6	E03989	533350201	Rubber gasket	1
7	E03321	533231701	Clamping bar	1
8	E03317	533543201	Front wheel	1
9	E03931	534593201	Frame	1
10	E03412	534941401	Weight 1	1
11	E03413	535344501	Weight 2	1
12	E03382	531483801	Handle	1
13	E03381	535344501	Clamping piece	2
14	ST-73300	534628801	Hose clamp	2
15	E00561-1	535678601	Hose	0.7M

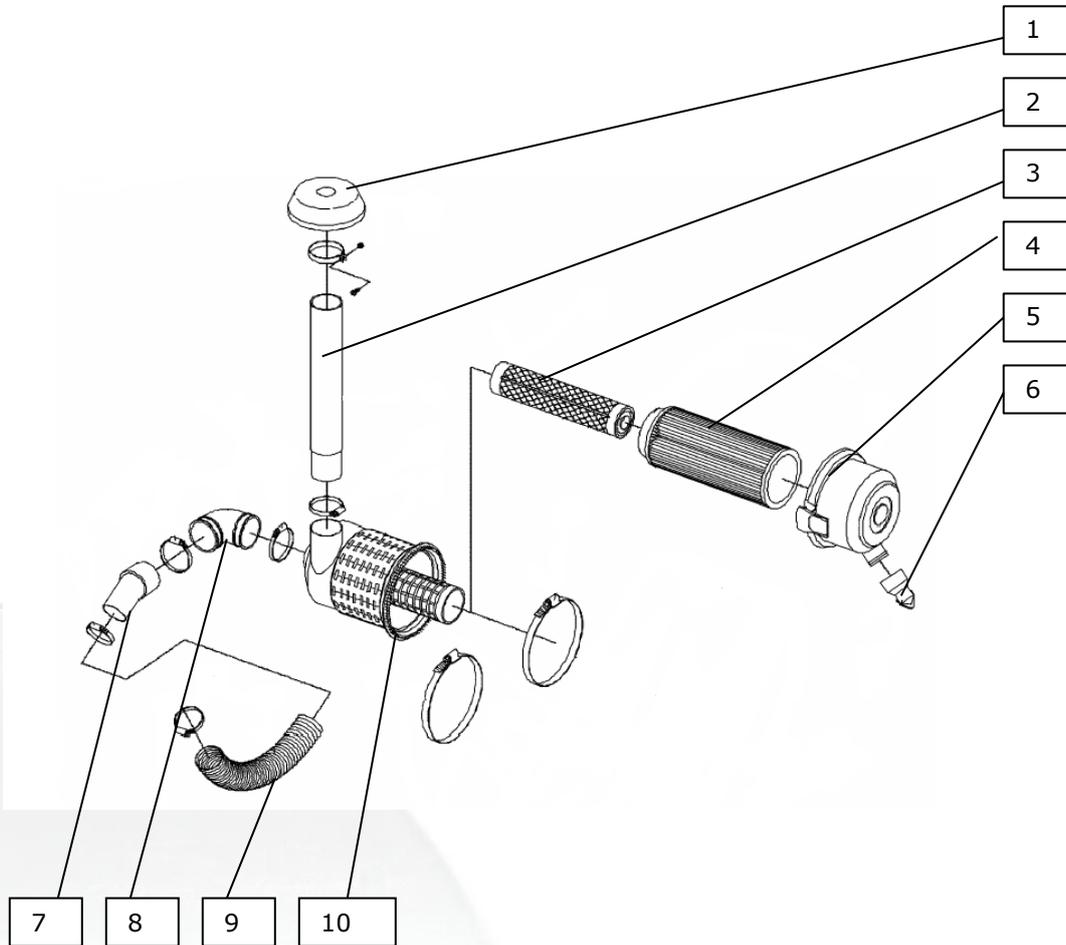


General parts for BMP-335 GHY



Item	Blastrac Part number	HQV Part number	Description	Qty.
1	E01610	533594901	Filter complete	1
2	E01613	534578701	Filter support	1
3	E06000	534417101	Cover plate	1
4	E03974	534704901	Main body	1
5	E03989	533350201	Rubber gasket	1
6	E03321	533231701	Clamping bar	1
7	E03317	533543201	Front wheel	1
8	E03931	534593201	Frame	1
9	E03413	534934401	Weight	1
10	E03382	531483801	Handle	1
11	E03381	535344501	Clamping piece	2
12	ST-73300	534628801	Hose clamp	2
13	E00561-1	535678601	Hose	0.7mtr

Air filter parts for BMP-335 GHY



Item	Blastrac Part number	HQV Part number	Description	Qty.
1	E01612	533478101	Rain cap	1
2	E01611	-	Connection pipe	1
3	-		Inner filter	1
4	-		Main filter	1
5	-		Filter cap	1
6	-		Cap	1
7	E06003	534263201	Adapter air filter	1
8	E06164	-	Corner Mann airfilter	1
9	004583	533882601	Hose	40cm
10	-		Filter housing	1
3-6,10	E01610	533594901	Filter housing complete	1

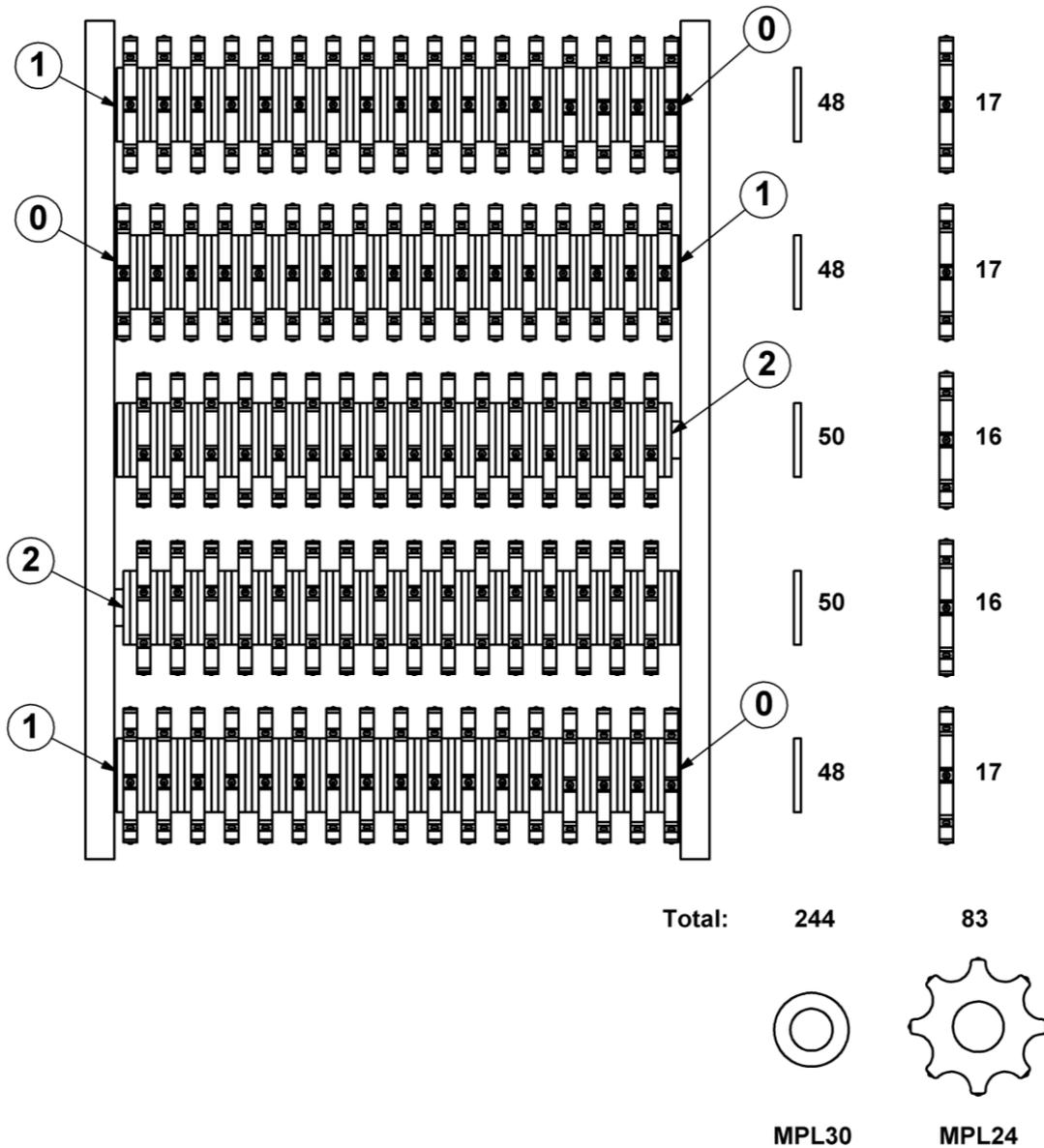


2. Assembly plans

Assembly plan MPD335-5L24S

- | | |
|------------------|------------|
| 1x Drum | MPD335-522 |
| 5x Drum shaft | MPA335-22 |
| 83x Cutter | MPL 24 |
| 244x Spacer ring | MPL 30 |

3 spacer rings between cutters

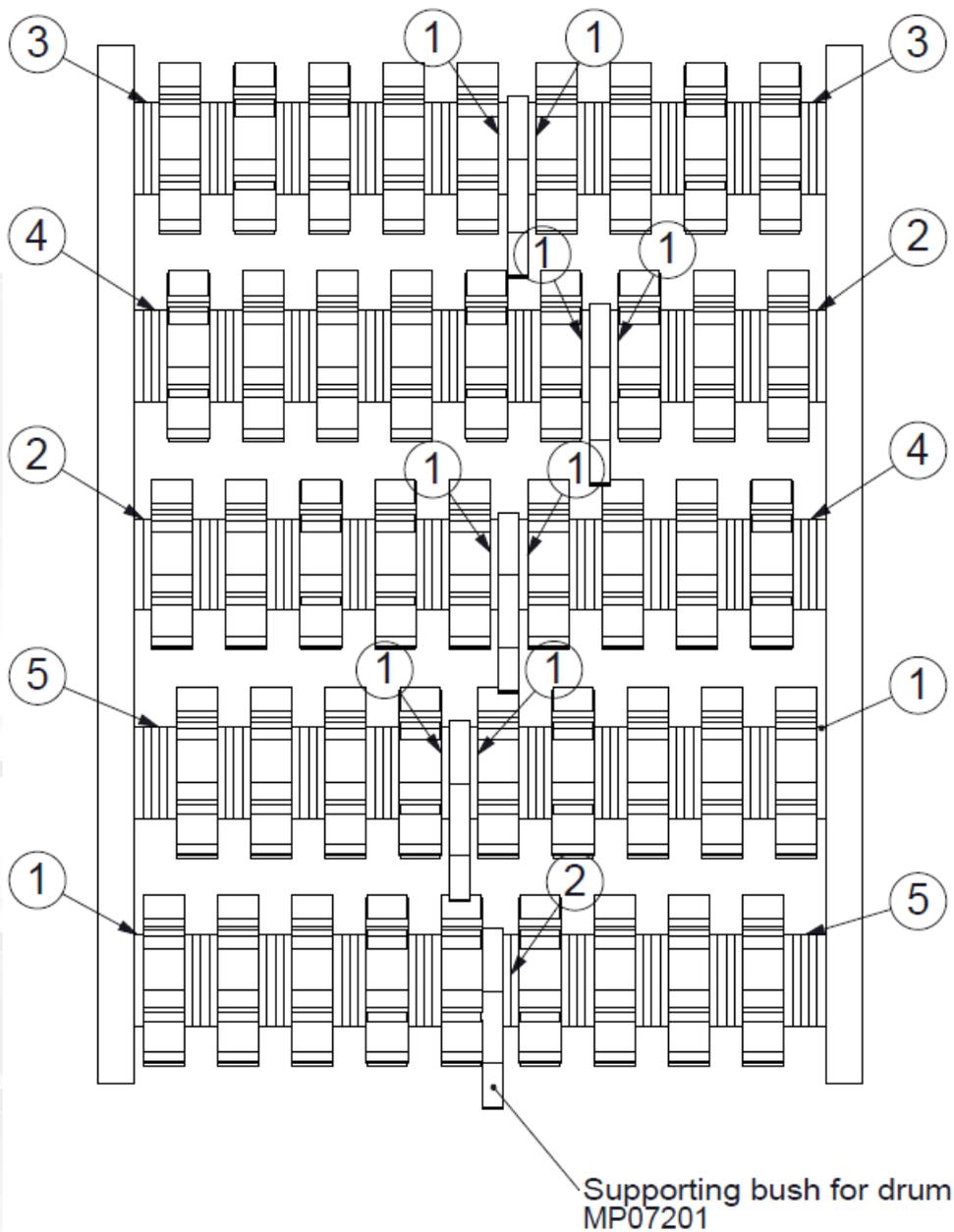




Assembly plan MPD335-522L29S

- | | |
|------------------|-------------------|
| 1x Drum | MPD335-522 |
| 5x Drum shaft | MPA335-22 |
| 45x Cutter | MPL 29 |
| 180x Spacer ring | MPL 30 |
| 5x Supp bush | MP07201 |

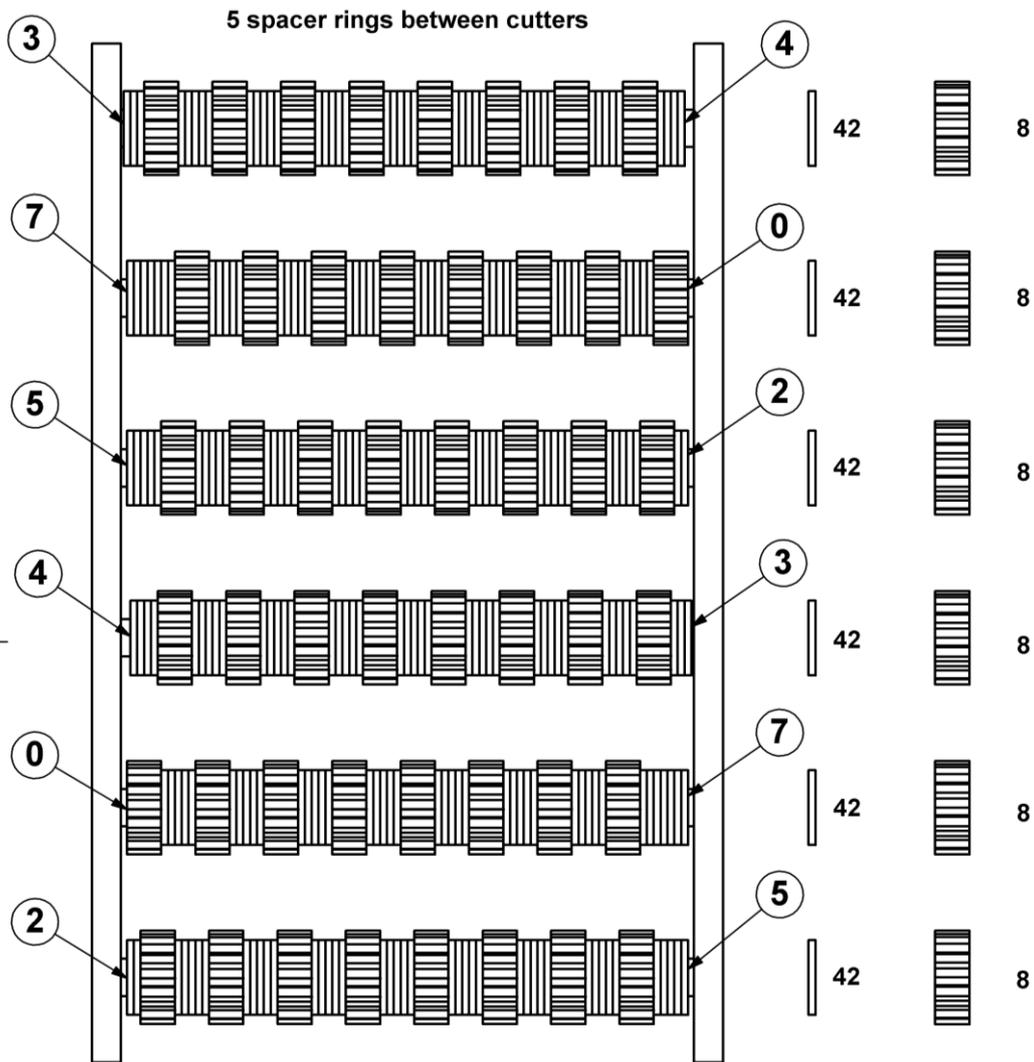
4 spacer rings between cutters





Assembly plan MPD335-620L60S

- 1x Drum
 - 6x Drum shaft
 - 48x Cutter
 - 252x Spacer ring
- MPD335-6/1
 - MPA335-20
 - MPL 60-1
 - MPL 63



Total: 252 48



MPL63



MPL60-1



3. Electric schedules

E03997 / 3x 400V / 11kW / 50Hz

Wire color:

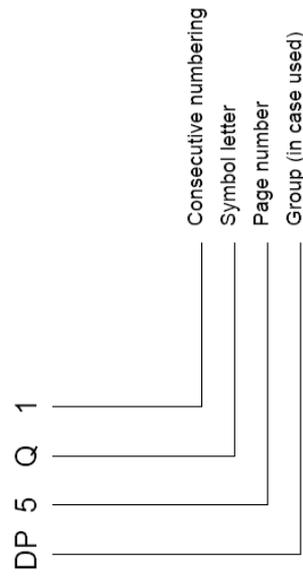
Main-voltage:

- L1 -Black
- L2 -Black
- L3 -Black
- PE / ⊕ -Yellow / Green

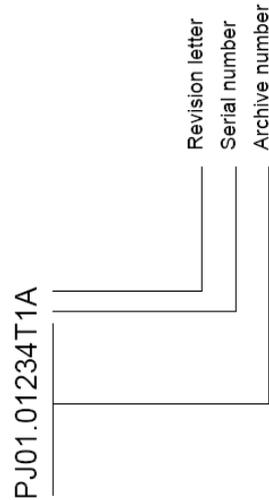
Control-voltage alternating-voltage (AC)

- Phase -Red
- Hook-up wire -Red
- Zero -Red

Symbol code explanation:

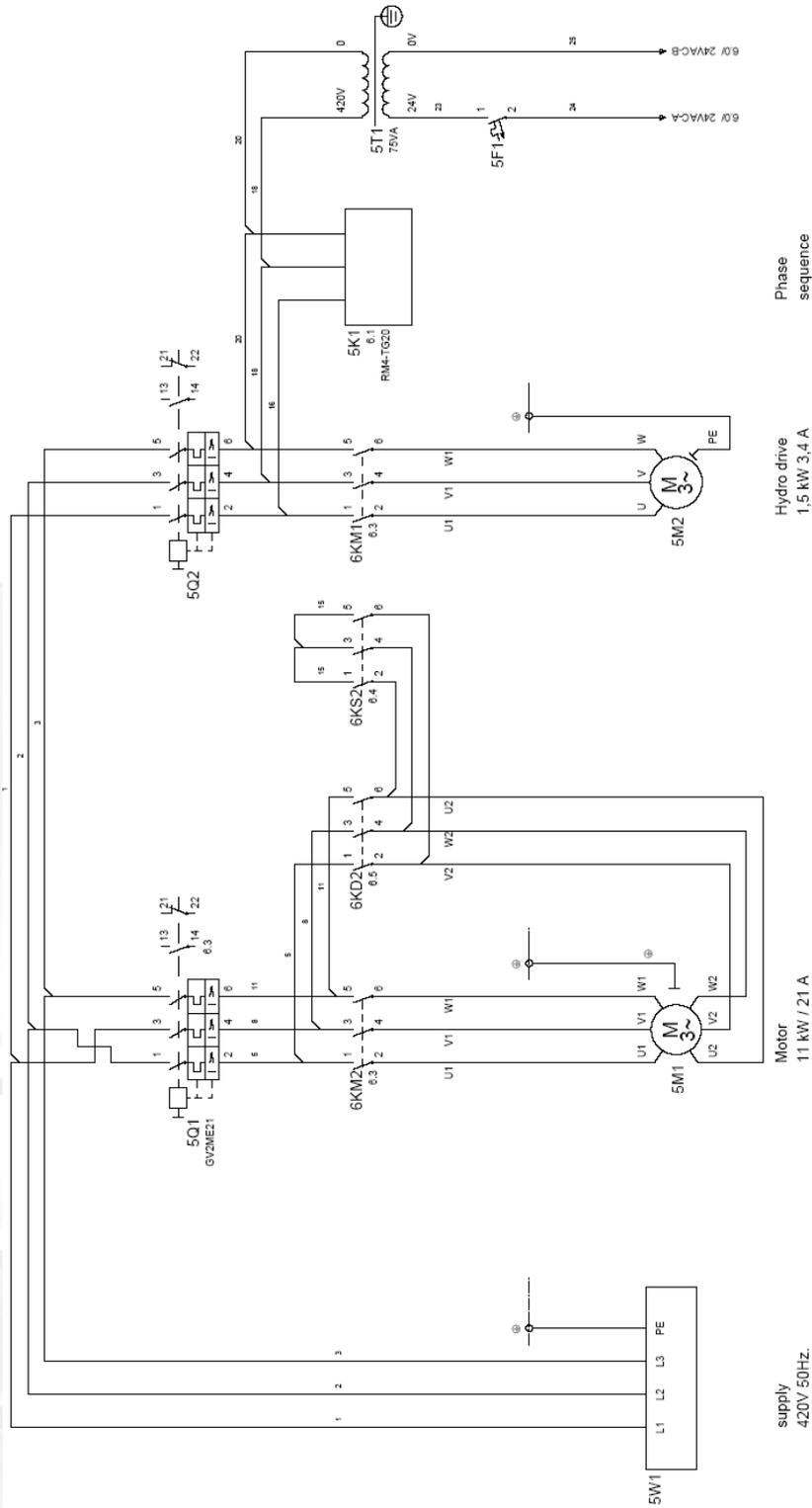


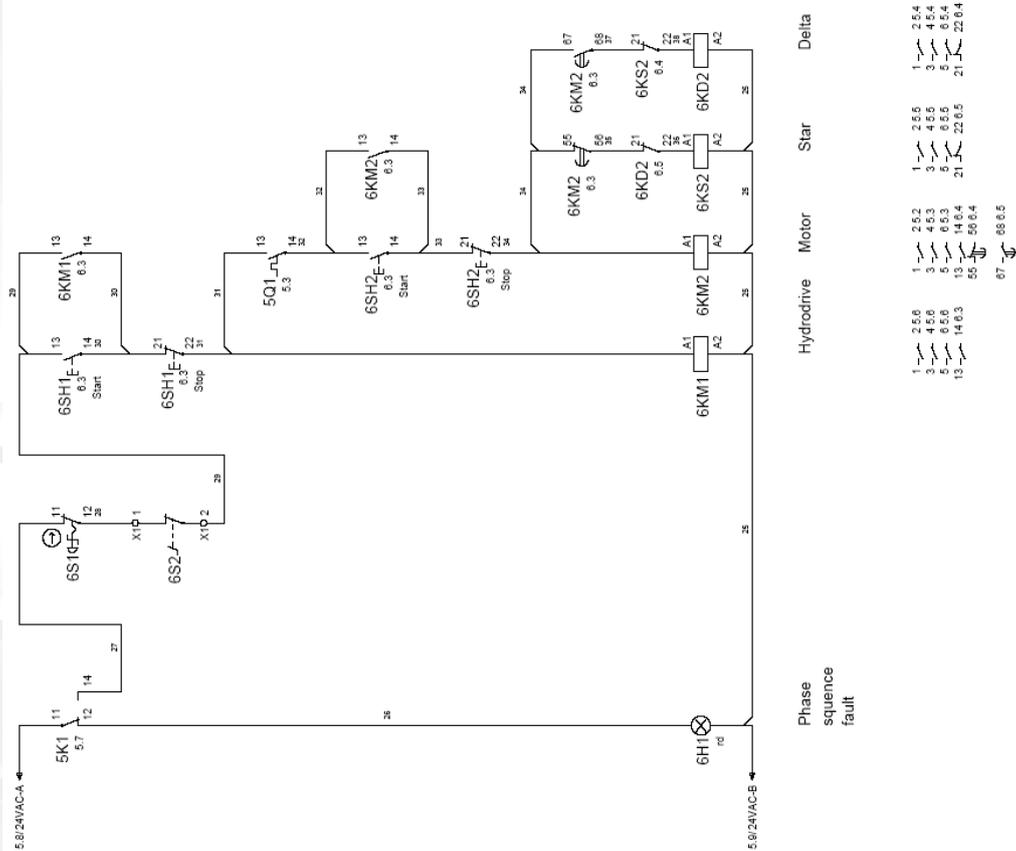
Archive number explanation:





					Main switch
					Fuses load divider
					Diode module
					Resistance
					Motor safety switch
					Final switch NO / NC



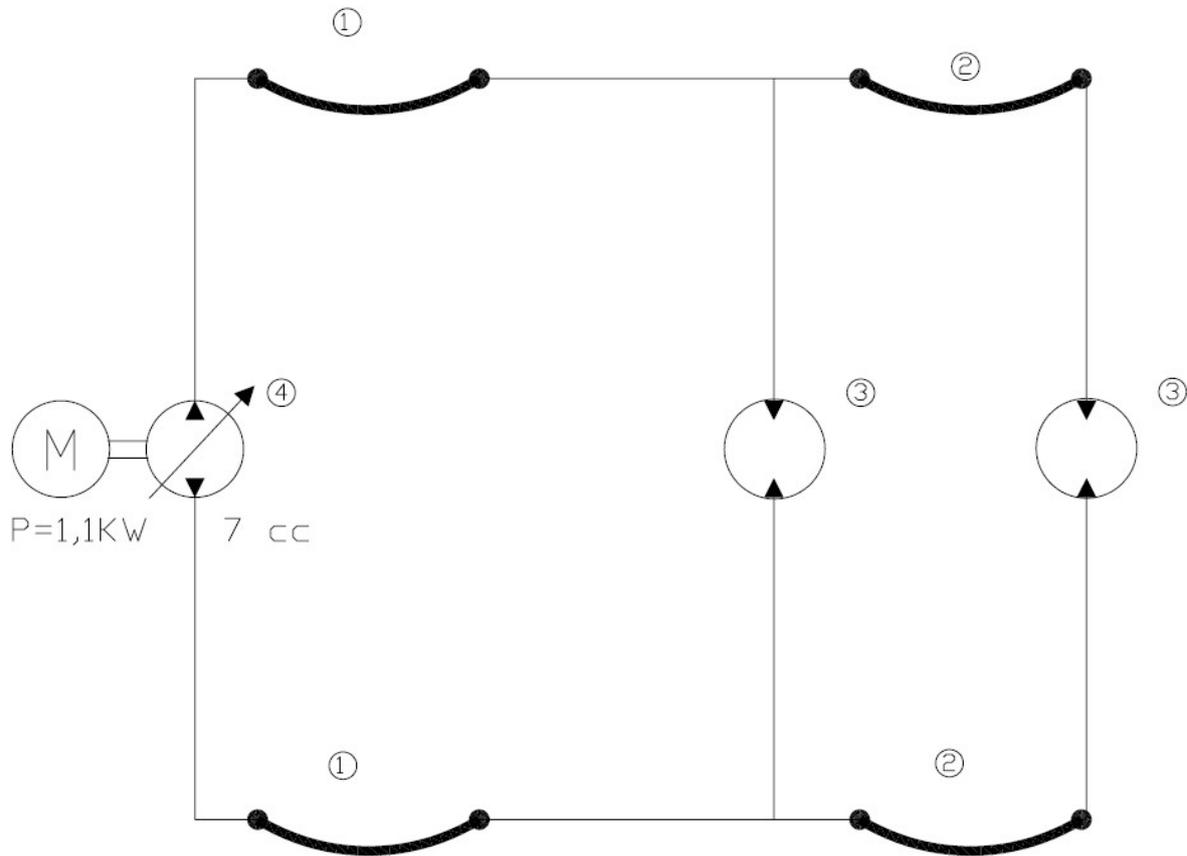




X1	Internal connection	6S1-12	1
	Bridges	6S1-13	2
	Terminal		



5. Hydraulic schedule



Item	Blastrac Part number	HQV Part number	Description	Remarks	Qty.
1	E03996_2	-	Hydraulic hose	Long	2
2	E03996_3	-	Hydraulic hose	Short	2
3	350-4005-S	533635501	Hydraulic motor		2
4	E03996_1	533882801	Hydraulic pump CW	335EHY	1
4	E03373	534638801	Hydraulic pump CCW	335GHY	1
	E03996_4	-	Coupling GE 12L3/4UNFOMD	For pump	2
	E03996_5	-	Coupling GE 12LR1/2OMD	For motor	4
	E03996_6	-	T-coupling EL 12LOMD		2
	E07859	534532501	Elbow coupling EW 12LOMD		5
	E03996_8	533160401	Key 1/8 x 1/2 inch		1



Blastrac
13201 North Santa Fe Avenue
Oklahoma City, OK 73114
800-256-3440
Fax: 866-485-1046
www.blastrac.com



Certificate: 2459264
Project: 2459264



Master Contract: 251963
Date Issued: December 1, 2011

APPLICABLE REQUIREMENTS

- CSA Standard C22.2 No. 0 - General Requirements, Canadian Electrical Code Part II
- CSA Standard C22.2 No. 04 - Bonding of Electrical Equipment
- CSA Standard C22.2 No. 14 - Industrial Control Equipment
- UL508 - Industrial Control Equipment
- UL508A - Industrial Control Panels



Supplement to Certificate of Compliance

Certificate: 2459264

Master Contract: 251963

*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
2459264	December 1, 2011	Original cCSAus Certification of motor control boxes Types 350E SB UL, 500E SB UL, BDC 854, 654 BDC, 1-10DS dual voltage, 1-15DS dual voltage, 1-8 DPS30, 1-10 DPS75 and BMC-EHY335.



13201 North Santa Fe Avenue • Oklahoma City, OK 73114 • Ph: 800-256-3440 • F: 405-478-8608 blastrac.com

Product Warranty

Standard Equipment Products:

Blastrac warrants its Blastrac Standard Equipment Products against defects in quality of material and workmanship, under normal and proper use for a period of 1 Year from the date of delivery, as noted on the returned warranty registration card, or, in the case of Rental Fleet Machines, 180 Days from the date of assignment to Rental Fleet. This warranty is non-transferable and is extended to machines purchased and entered into the normal service of surface preparation by a recognized professional or qualified contractor. Blastrac makes this warranty only to the buyer who purchases the products directly from Blastrac or its Authorized Distributor. This warranty does not include expendable parts such as, but not limited to, blades, blast wheels, wear plates, liners, seals, and electrical components. All purchased parts utilized in the manufacture will be honored to the original manufacturer's specified warranty.

If the buyer does not return the warranty card or register the product online at www.blastrac.com within 30 days after taking delivery of Blastrac Standard Equipment Products, the warranty period is limited to 6 months from the date of delivery noted on shipping receipt.

Hand Tool Products:

Blastrac warrants its BLASTRAC Hand Tool Products, including hand grinders and accessories, against defects in material and workmanship under normal and proper use for a period of 90 days from the date of delivery or, in the case of Rental Fleet Machines, from the date of assignment to a Rental Fleet. Blastrac makes this warranty only to the buyer who purchases the products directly from Blastrac or its authorized distributor. This warranty does not include expendable parts such as blades.

If the buyer does not return the warranty card, or register online at www.blastrac.com within 15 days after taking delivery of Blastrac Hand Tool Products, the warranty period is limited to 30 days from the date of delivery noted on shipping receipt.

WARRANTY TERMS AND CONDITIONS:

1. Blastrac's obligation under this warranty is limited to the replacement or repair, at Blastrac's option, of products and does not include, labor, the cost of transportation, loss of operating time, or normal maintenance services.

2. This warranty does not apply to failure occurring as a result of abuse, misuse, negligence, corrosion, erosion, normal wear and tear, alterations or modifications made to products without the express written consent of Blastrac.

3. The buyer must submit all warranty claims no later than thirty (30) days after buyer becomes aware of the basis for any such claim, or should have become aware of the basis for any such claim in the exercise of reasonable diligence.

To return parts for warranty consideration, please call Blastrac Customer Service at 800-256-3440. Your customer service representative will obtain the necessary information to complete the Blastrac Returned Merchandise Authorization (RMA) Form. Blastrac will then send the RMA form to the customer authorizing the return of the parts for warranty evaluation. The parts must be received within sixty (60) days following the RMA origination date or the warranty claim will be denied. Once the parts are received they will be evaluated for warranty.

If the customer cannot wait for the evaluation/replacement of the parts during this process, the customer must issue a new purchase order to Blastrac for the replacement parts before they can be shipped. Once the evaluation process is complete and parts are deemed a valid warranty claim, a credit will be issued against this invoice.

4. The buyer may not return Blastrac products without written authorization to do so through a Blastrac RMA.

5. Blastrac reserves the right to inspect and determine the scope of its warranty responsibilities for any returned Blastrac products.

6. Blastrac makes no warranty with respect to accessories it does not manufacture, including but not limited to, engines, motors, batteries, tires and all other parts. See component manufacture warranty.

7. Blastrac reserves the right to make product changes or improvements without prior notice and without undertaking any obligation for such changes or improvements on previously sold products.

8. The above warranty conditions can only be altered by Blastrac. Blastrac must confirm alterations in writing for each specific transaction.

9. Blastrac reserves the right to modify this warranty for used or demo products on an individual transaction basis. Blastrac will include warranty modifications on its invoices for used or demo products.

10. BLASTRAC DOES NOT AUTHORIZE ANY PERSON, REPRESENTATIVE, SERVICE OR SALES OUTLET TO MAKE ANY WARRANTY DIFFERENT FROM THIS PRODUCT WARRANTY.

11. EXCEPT FOR ITS PRODUCT REPAIR OR REPLACEMENT OBLGATIONS DESCRIBED IN THIS PRODUCT WARRANTY, UNDER NO CIRCUMSTANCES SHALL BLASTRAC BE LIABLE TO THE BUYER, OR ANY OTHER PERSON, FOR ANY DIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE BLASTRAC PRODUCT, OR FOR ANY SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER, INCLUDING WITHOUT LIMITATIONS, DAMAGES FOR ANY LOSS OF GOODWILL, WORK STOPPAGE, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES.

12. BLASTRAC MAKES NO OTHER PRODUCT WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



IMPORTANT!

TO THE DELIVERING DISTRIBUTOR OR END USER

To ensure the proper warranty coverage is extended to the owner of this machine, fill in the necessary information below **COMPLETELY** and **ACCURATELY** and retain for your records. Go to www.blastrac.com and register online. Click on the Register icon in the left column of the homepage, and fill out the product registration form with the same information that will be recorded here.

The warranty period will start upon the delivery date of the machine.

The distributor or the end user must provide the machine warranty information when the machine is delivered. Registration of the machine will extend the warranty period from the recorded delivery date entered with product registration. Failure to comply will make any and all warranties on the equipment void after 6 months.

OWNER/END USER'S REFERENCE INFORMATION

Delivery Date _____

Machine Model No. _____

Delivering Distributor's Name and Address _____

Machine Serial No. _____

Modifications _____

Signature of Delivering Distributor's Representative _____

Blastrac is a registered trademark of Blastrac,NA

Fold and Detach Here if Mailing

Warranty Registration

IMPORTANT! To ensure that your Blastrac® machine is covered under warranty, please provide the information recorded here by registering online at blastrac.com, or complete this page and fax to 866-485-1046, or if you prefer, detach and mail to:

Blastrac, 13201 North Santa Fe Avenue, Oklahoma City, OK 73114-9901

(Please print legibly)

Company _____

Address _____

City, State, & Zip _____

Telephone No. _____ Contact Person _____

Date of Purchase _____ Date Received _____

Machine Model No. _____ Serial No. _____

Distributor Name _____

End User Name _____

End User E-mail _____