

Hydraulikplan Hydraulic diagram

HD+140 VO

H259
Baureihe /
Series

0001 - 9999
Seriennummer /
Serial No

01.03.2018
Ausgabedatum /
Date of issue

02636867_00
Katalog Bestellnummer /
Catalogue order No

Schutzvermerk nach ISO 16016

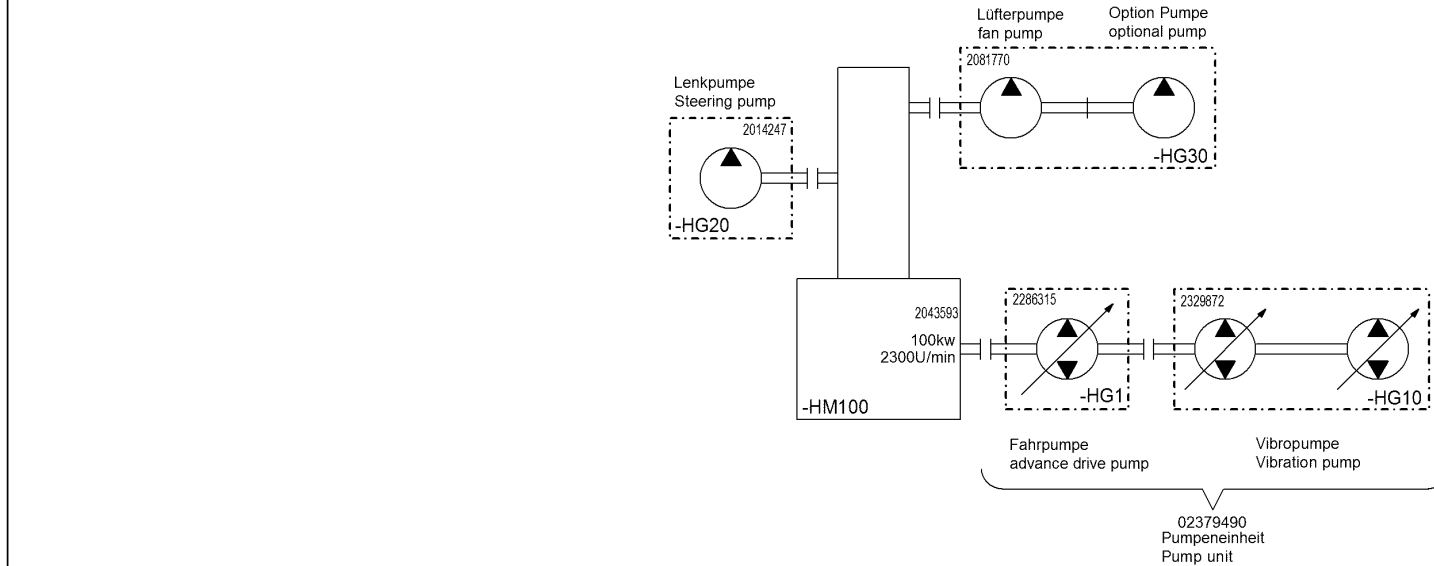
Weitergabe sowie Vervielfältigung dieses Dokuments, Verwertung und Mitteilung seines Inhalts sind verboten, soweit nicht ausdrücklich gestattet. Zuwiderhandlungen verpflichten zum Schadenersatz. Alle Rechte für den Fall der Patent-, Gebrauchsmuster- oder Geschmacksmustereintragung vorbehalten.

Protection Notice ISO 16016

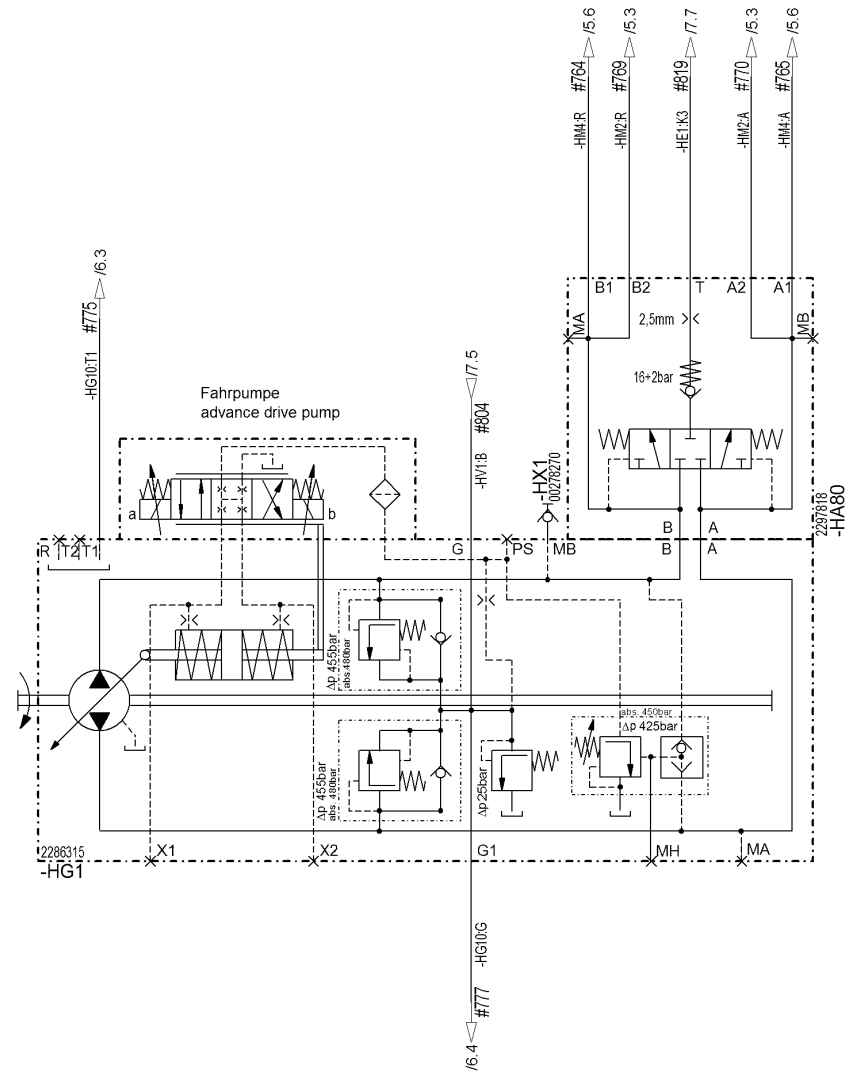
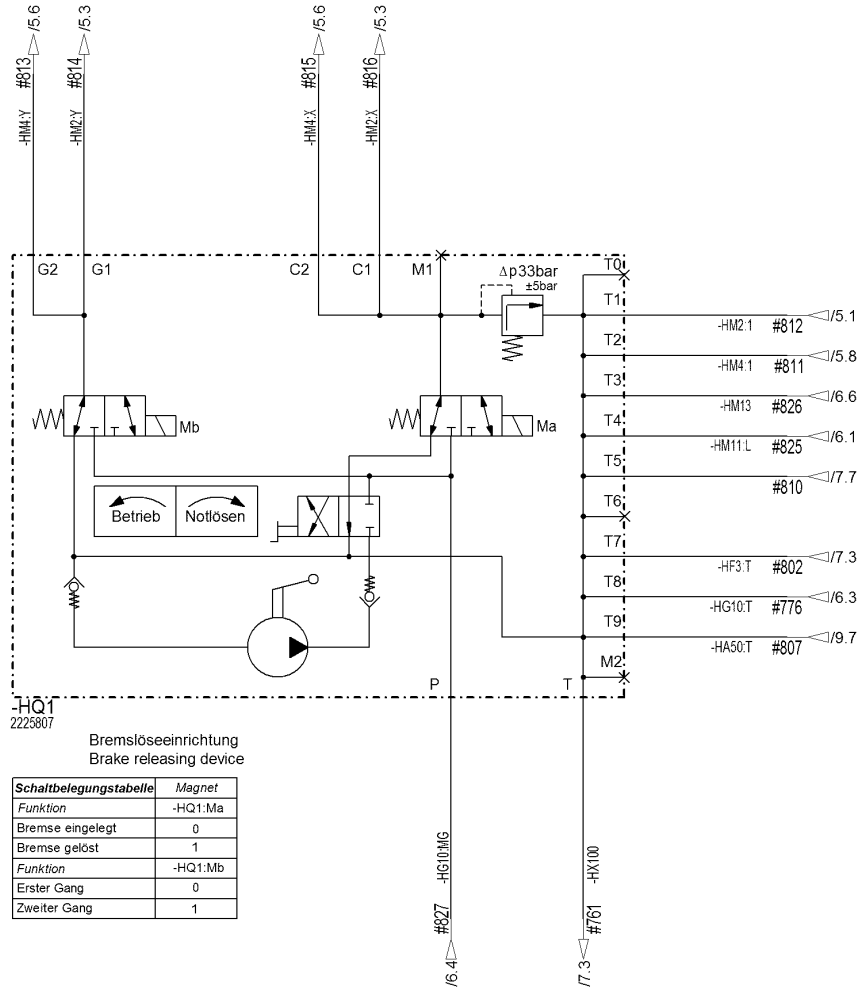
The reproduction, distribution and utilization of this document as well as the communication of its contents to others without explicit authorization is prohibited. Offenders will be held liable for the payment of damages. All rights reserved in the event of the grant of a patent, utility model or design.

Blatt / Sheet	Inhalt / Contents	Blatt / Sheet	Inhalt / Contents
1	Deckblatt cover sheet		
2	Inhaltsverzeichnis contents		
3	Motor und Pumpenanbau engine and pump installation		
4	Fahrpumpe advance drive pump		
5	Fahrtrieb advance drive		
6	Vibrationsantrieb Vibration drive		
7	Kühlung und Tank cooling and tank		
8	Lenkung steering		
9	Spurversatz Track offset		
10	Option Kantenandrückgerät Option Edge pressing assembly		
11	Erklärung Aufbau Betriebsmittelkennzeichen Explanation device designation layout		
12	Erklärung Gerätekenbuchstaben, hydraulisch Explanation device code letter, hydraulic		
13	Erklärung Linienformate, Leitungsbezeichnungen Explanation line formats, line designations		
14	Betriebsmittelliste device list		

Drawing by:	Approved by:	last change:	Status:	Document No.:	Material No.:	Revision No.:	Inhaltsverzeichnis contents	Sheet 2 of 14 Sheets
date 12.06.2017	date	date	AE = changeable		02636867	00		
name Max Schedl	name	name	PF = prototype release	Partial Document No.:	Series code: H259	Valid for Serial No.: from 0001 to 9999		
E - CAE	Document type:	Function group No.:	SF = serial release	Version No.:	Sheet plant:			
HFP					Sheet Location:			



Drawing by:		Approved by:		last change:		Status: AE = changable PF = prototype release SF = serial release	Document No.: Partial Document No.: Version No.:		Material No.: 02636867		Revision No.: 00		Motor und Pumpenanbau engine and pump installation	Sheet 3 of 14 Sheets								
date	12.06.2017	date		date					Series code: H259	Valid for Serial No.: from 0001 to 9999												
name	Max Schedl	name		name					Sheet plant: Sheet Location:													
E - CAE		Document type: HFP		Function group No.:																		



Drawing by:		Approved by:		last change:	
date	12.06.2017	date		date	
name	Max Schedl	name		name	
E - CAE		Document type:		Function group No.:	
		HFP			

Status:		Document No.:
AE = changeable		
PF = prototype release		Partial Document No.:
SF = serial release		
		Version No.:

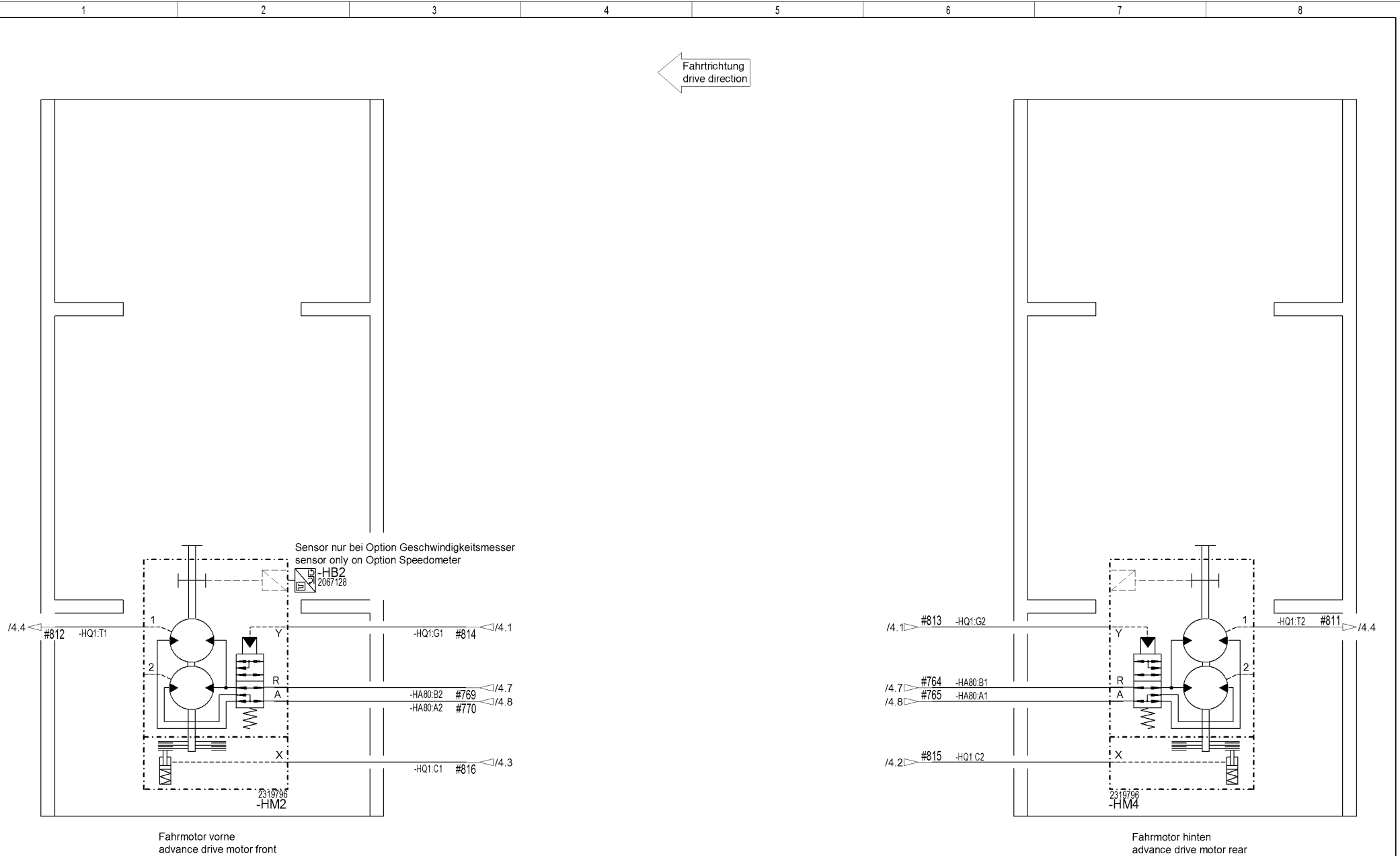
	

Material No.: 02636867		Revision No.: 00	
Series code: H259	Valid for Serial No.: from 0001 to 9999		
Sheet plant:			
Sheet Location:			

Fahrt advance	
------------------	--

pump	
drive pump	

Sheet:	4
of	14
	Sheets



Drawing by:		Approved by:		last change:	
date	12.06.2017	date		date	
name	Max Schedl	name		name	
E - CAE		Document type:		Function group No.:	
		HFP			

Status:	Document No.:
AE = changeable	
PF = prototype release	Partial Document No.:
SF = serial release	Version No.:

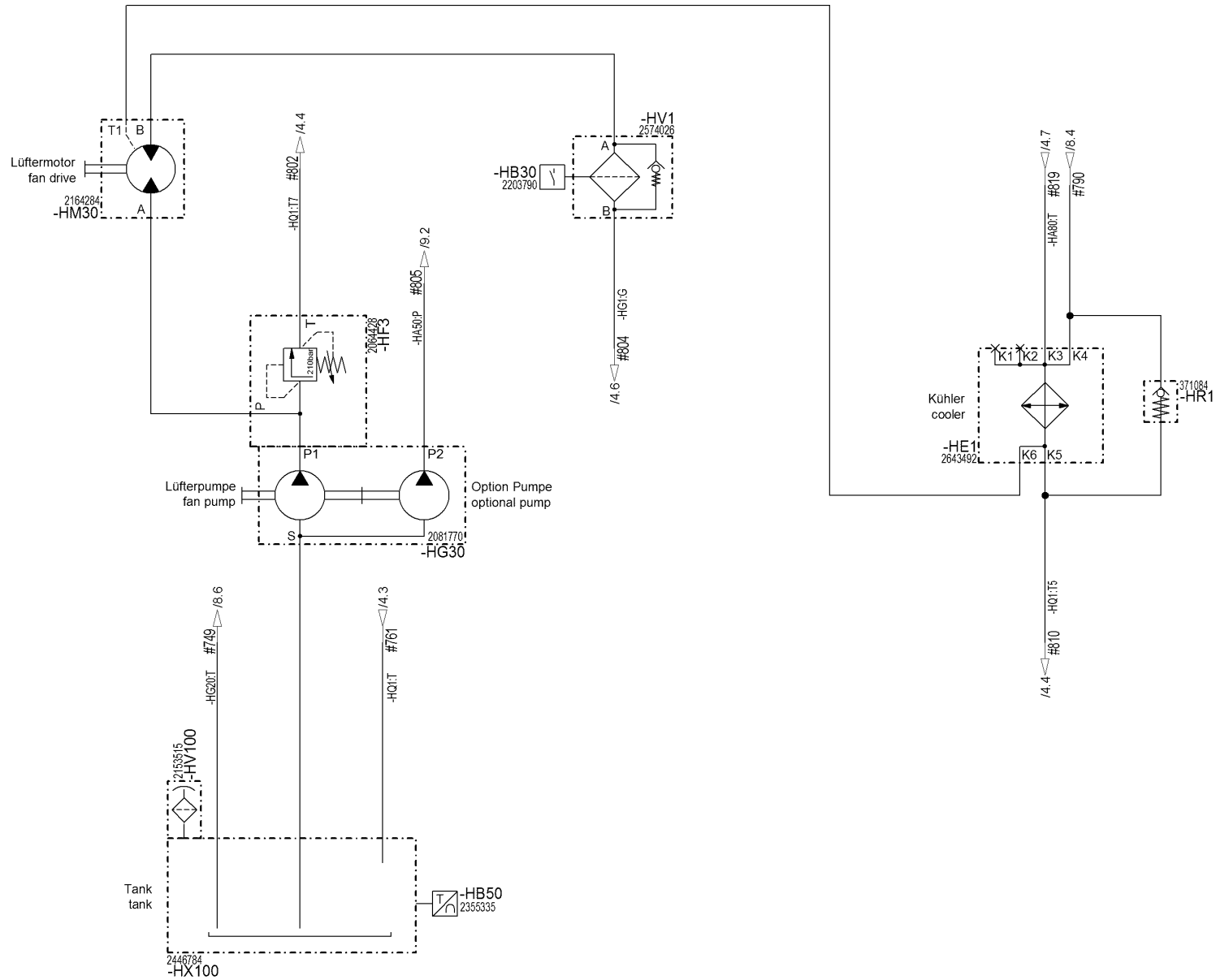


Material No.: 02636867		Revision No.: 00	
Series code: H259	Valid for Serial No.: from 0001 to 9999		
Sheet plant: Sheet Location:			

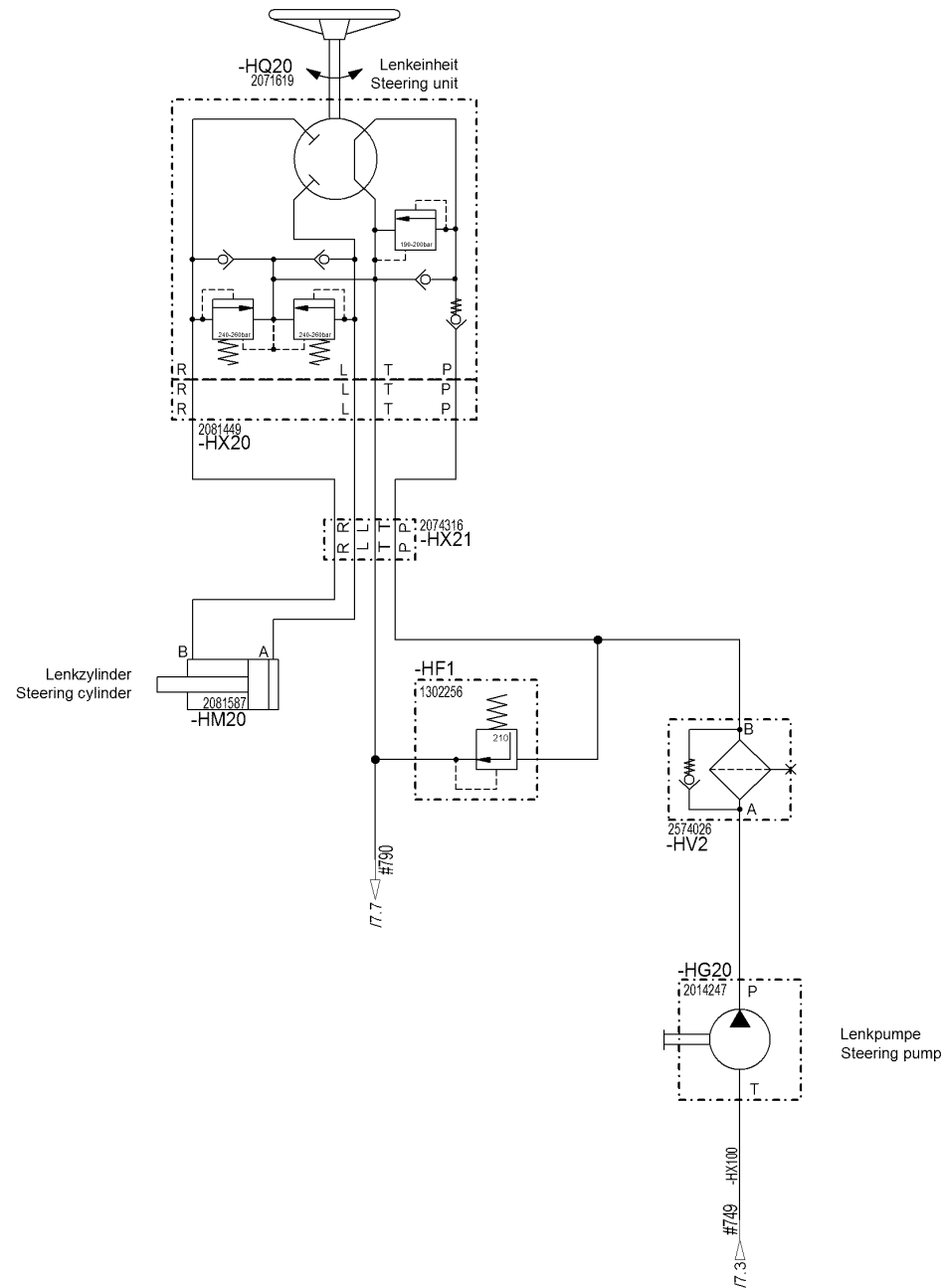
Fahrtrieb
advance drive

Sheet
5
of
14
Sheets

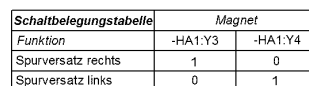
Drawing by:		Approved by:		last change:		Status: AE = changeable PF = prototype release SF = serial release	Document No.:	Material No.:		Revision No.:		Vibrationsantrieb Vibration drive	Sheet: 6 of 14 Sheets
date	12.06.2017	date		date					02636867	00			
name	Max Schedl	name		name			Partial Document No.:		Series code:	Valid for Serial No.:			
E - CAE		Document type:		Function group No.:			Version No.:		H259	from 0001 to 9999			
		HFP						Sheet plant:					
								Sheet Location:					



Drawing by:		Approved by:		last change:		Status: AE = changeable PF = prototype release SF = serial release	Document No.:	Material No.: 02636867	Revision No.: 00	Sheet: 7 of 14 Sheets							
date	12.06.2017	date		date							Partial Document No.:		Series code: H259	Valid for Serial No.: from 0001 to 9999			
name	Max Schedl	name		name											Version No.:	Sheet plant:	Sheet Location:
E - CAE		Document type: HFP	Function group No.:														



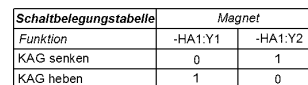
Drawing by:		Approved by:		last change:		Status: AE = changeable PF = prototype release SF = serial release	Document No.:		Material No.:		Revision No.:		Lenkung steering	Sheet 8 of 14 Sheets
date	12.06.2017	date		date			Partial Document No.:		02636867		00			
name	Max Schedl	name		name			Version No.:		Series code:	Valid for Serial No.:				
E - CAE		Document type:		Function group No.:					H259	from 0001 to 9999				
		HFP						Sheet plant:						
								Sheet Location:						



W. HAMM

Spurversatz
Track offset

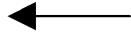
Sheet
9
of
14
Sheets



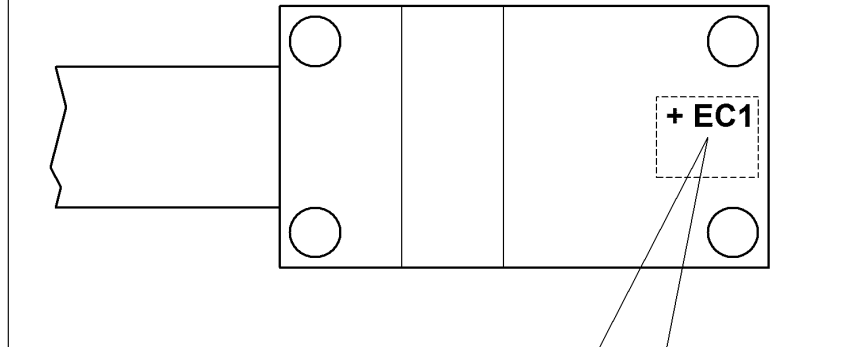
Sheet
10
of
14
Sheet

Aufbau Betriebsmittelkennzeichen / device designation configuration

= GM



Lageplan
layout

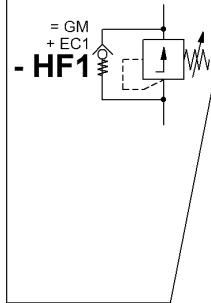


= Anlagenkennzeichen
plant designation

+ Ortskennzeichen
location designation

- Art / Zählnummer
type / number

Geräteanschlussbezeichnung
connection designation



Drawing by:		Approved by:		last change:	
date	12.06.2017	date		date	
name	Max Schedl	name		name	
E - CAE		Document type:		Function group No.:	
		HFP			

Status:	Document No.:
AE = changeable	
PF = prototype release	Partial Document No.:
SF = serial release	
	Version No.:



Material No.: 02636867		Revision No.: 00	
Series code: H259	Valid for Serial No.: from 0001 to 9999		
Sheet plant:			
Sheet Location:			

Erklärung Aufbau Betriebsmittelkennzeichen
Explanation device designation layout

Sheet
11
of
14
Sheets

Gerätekennbuchstaben, hydraulisch (beispielhaft) / device code letter, hydraulic (exemplified)

<u>Gerätekennbuchstabe / device code letter</u>	<u>Deutsch</u>	<u>English</u>	<u>Gerätekennbuchstabe / device code letter</u>	<u>Deutsch</u>	<u>English</u>
- HA	Ventilblock	valve-block	- HP	Manometer	pressure gauge
- HB	Durchflussmesser Durchflusswächter Druckschalter hydraulisch	flow measuring device flow controller hydraulic pressure switch	- HQ	Bremsventil Kugelhahn Lenkeinheit Wegeventil	braking valve ball valve steering unit direction control valve
- HC	Speicher	accumulator	- HR	Drosselventil Drosselrückschlagventil Druckreduzierventil Lasthalteventil Rückschlagventil	throttle valve throttle check valve pressure reduction valve counter balance valve check valve
- HE	Kühler	cooler	- HT	Getriebe	gearbox
- HF	Druckbegrenzungsventil	pressure limiting valve	- HV	Hydraulikfilter	hydraulic filter
- HG	Hydraulikpumpe	hydraulic pump	- HX	Abdeckplatten Reihenflanschplatte Schnellkupplung	cover plates manifold plate quick-action coupling
- HK	Mengenteiler Prioritätsventil Stromregelventil	flow divider priority valve flow control valve	- Ma	Ventil Magnetspule a	valve coil a
- HM	Hydraulikmotor Hydraulikzylinder	hydraulic motor hydraulic cylinder	- Mb	Ventil Magnetspule b	valve coil b

Drawing by:	Approved by:	last change:
date 12.06.2017	date	date
name Max Schedl	name	name
E - CAE	Document type: HFP	Function group No.:

Status:	Document No.:
AE = changeable	
PF = prototype release	Partial Document No.:
SF = serial release	
	Version No.:



Material No.:	Revision No.:
02636867	00
Series code: H259	Valid for Serial No.: from 0001 to 9999
Sheet plant:	
Sheet Location:	

Erklärung Gerätekennbuchstaben, hydraulisch
Explanation device code letter, hydraulic

Sheet:
12
of
14
Sheets

Linienformate / line formats			Leitungsbezeichnungen / line designations		
<u>Linienart / line type</u>	<u>Linienstärke / Grafik / line thickness / graphic</u>	<u>Bedeutung / standing</u>	<u>Abkürzungen Leitungsbezeichnungen / line designation abbreviations</u>	<u>Deutsch</u>	<u>English</u>
Volllinie / solid line	0,25mm	Standard, Druckleitung, Tankleitung / standard, pressure line, tank line	P	Druckleitung	pressure line
			T	Tankleitung, Rücklaufleitung	tank line, return line
Strichpunktlinie / dash-dotted line	0,5mm	Bauteilumrandung / component border	S	Saugleitung	suction line
			L	Leckölleitung	leakage line
Strichlinie / dashed line	0,25mm	Steuerleitung, Lecköl / control line, leakage oil	X	Steuerleitung	control line
			LS	Load Sensing Leitung	load sensing line

Drawing by:		Approved by:		last change:	
date	12.06.2017	date		date	
name	Max Schedl	name		name	
E - CAE		Document type:		Function group No.:	
		HFP			

Status:	Document No.:
AE = changeable	
PF = prototype release	Partial Document No.:
SF = serial release	
	Version No.:



Material No.:		Revision No.:	
02636867		00	
Series code:	Valid for Serial No.:		
H259	from 0001 to 9999		
Sheet plant:			
Sheet Location:			

Erklärung Linienformate, Leitungsbezeichnungen
Explanation line formats, line designations

Sheet
13
of
14
Sheets

Betriebsmittelkennzeichen / Device designation	Blatt / Sheet	Betriebsmittelkennzeichen / Device designation	Blatt / Sheet	Betriebsmittelkennzeichen / Device designation	Blatt / Sheet
-HA50	/9.3	-HQ1	/4.3		
-HA80	/4.8	-HQ20	/8.5		
-HB2	/5.2	-HQ50	/10.3		
-HB10	/6.1	-HR1	/7.7		
-HB11	/6.7	-HV1	/7.5		
-HB30	/7.4	-HV2	/8.6		
-HB50	/7.4	-HV100	/7.3		
-HE1	/7.7	-HX1	/4.7		
-HF1	/8.4	-HX20	/8.5		
-HF3	/7.3	-HX21	/8.4		
-HG1	/3.4	-HX100	/7.3		
-HG1	/4.5				
-HG10	/3.5				
-HG10	/6.2				
-HG20	/3.4				
-HG20	/8.5				
-HG30	/3.4				
-HG30	/7.4				
-HM2	/5.2				
-HM4	/5.7				
-HM11	/6.2				
-HM13	/6.7				
-HM20	/8.4				
-HM25	/9.5				
-HM30	/7.2				
-HM50	/10.4				
-HM51	/10.3				
-HM100	/3.4				

Drawing by:	Approved by:	Last change:
date 12.06.2017	date	date
name Max Schedl	name	name
E - CAE	Document type: HFP	Function group No.:

Status:	Document No.:
AE = changeable	
PF = prototype release	Partial Document No.:
SF = serial release	Version No.:



Material No.:	Revision No.:
02636867	00
Series code:	Valid for Serial No.:
H259	from 0001 to 9999
Sheet plant:	
Sheet Location:	

Betriebsmittelliste
device list

Sheet
14
of
14
Sheets