





CPV | Inquiry Form

PRODUCT							
Type	Design	Design	Pressure Level	Application			
Electronic Control Unit <input type="radio"/>							
Hydro Pump <input checked="" type="radio"/>	Axial Piston <input checked="" type="radio"/>	Bent Axis <input type="radio"/>	Medium Pressure <input type="radio"/>	Open Circuit <input type="radio"/>			
Hydro Motor <input type="radio"/>		Swash Plate <input checked="" type="radio"/>	High Pressure <input checked="" type="radio"/>	Closed Circuit <input checked="" type="radio"/>			
Control Valves <input type="radio"/>	Open Center <input type="radio"/>	Monoblock <input type="radio"/>					
	Closed Center <input type="radio"/>	Modular <input type="radio"/>					
		Sandwich <input type="radio"/>					

DOCUMENT					
Specification	Test/Validation	Operation	Service	Release	
Inquiry Form <input checked="" type="radio"/>	Basic information <input type="radio"/>	Basic instructions <input type="radio"/>	Basic instructions <input type="radio"/>	26 th June 2025	
Datasheet <input type="radio"/>	Add./Cust. information <input type="radio"/>	Add./Cust. instructions <input type="radio"/>	Add./Cust. instructions <input type="radio"/>	English	

 To ensure the currently valid database for your inquiry, please download the latest version of this document from LHY website.

 To be able to save the content of the form fields without problems, please save this data sheet on local drive before starting to configure.

 Check out the features and start configuring your product via model code.



CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

In the following you will find the configuration features including brief information. In order to be able to save your choice without problems, please save this document on a local drive before starting and after completing the configuration. Set your choice via the dropdown menus in the upper area. In order to ensure a feasible configuration, please consider the availability and compatibility of the individual items with the relevant nominal size. In the section [Your choice & inquiry] these items are then listed as a coherent model code. This code serves for further processing of your inquiry.

02.

MODEL CODE
ITEM

Nominal Size

Item	Feature								
02.	Nominal size								
	Characteristic		Nominal size						Spec.
	Nominal size	Maximum Displacement Range [cc/rev]	065	085	100	115	145	175	
065	65	066.6	●						
085	85	085.6		●					
100	100	100.5			●				
115	115	115.4				●			
145	145	149.0					○		
175	175	175.0						○	

Symbol	065 085 100 145 175	●	●	○
Status	Nominal sizes at development stage/prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



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03.
MODEL CODE
ITEM

Direction of Rotation

Item	Feature	Nominal size						Spec.
03.	Direction of Rotation							
	Characteristic							
		065	085	100	115	145	175	
L	<p>Left hand/ counterclockwise rotation (with view to the drive shaft)</p>	○	●	●	●	○	○	
R	<p>Right hand/ clockwise rotation (with view to the drive shaft)</p>	●	●	●	●	○	○	

Symbol	065 085 100 145 175	●	●	○
Status	Nominal sizes at development stage/ prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



CONFIGURATION

Modelcode & Availability

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04.

Displacement Controller

MODEL CODE ITEM

Item	Feature											
04.	Displacement controller											
	Characteristic					Nominal size					Spec.	
	Load dependency	Piloting		Characteristic (schematically shown)		065	085	100	115	145	175	
			Max. controlled	Default position	Max. controlled							
EP	Proportional (load-independent)	electro-hydraulic	-Vgmax 0	Vgmax 0	Vgmax 0	ΔI = 35 to 85 % of full resolution						
HP	Proportional (load-independent)	hydraulic	-Vgmax 0	Vgmax 0	Vgmax 0							
MP	Proportional (load-independent)	mechanic	-Vgmax 0	Vgmax 0	Vgmax 0							

Item	Feature											
	Displacement controller											
	Characteristic					Nominal size					Spec.	
	Load dependency	Piloting		Characteristic (schematically shown)		065	085	100	115	145	175	
			Max. controlled	Default position	Max. controlled							
ED	Direct (load-dependent)	electro-hydraulic	-Vgmax 0	Vgmax 0	Vgmax 0							
HD	Direct (load-dependent)	hydraulic	-Vgmax 0	Vgmax 0	Vgmax 0							

Symbol	065 085 100 145 175			
Status	Nominal sizes at development stage/prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



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05.
MODEL CODE
ITEM

Enable Controller Function

Item	Feature	Nominal size						Spec.
05.	Enable controller function							
	Characteristic							
		065	085	100	115	145	175	
0	No enable controller function	●	●	●	●	○	○	
F	<p>Enable controller function</p> <p>This function is controlled electrically - regardless of electrical, hydraulical or mechanical displacement control</p> <p>See also modelcode item 07 for electric connectors for solenoids.</p>	●	●	●	●	○	○	

Symbol	065 085 100 145 175	●	●	○
Status	Nominal sizes at development stage/ prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

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06.

MODELCODE
ITEM

Pressure Cut-off

Item	Feature	Nominal size						Spec.
06.	Pressure cut-off							
	Characteristic							
		065	085	100	115	145	175	
0	<p>No function</p> <p>No systemic control of the nominal pressure. Thus, without a pressure cut-off it must therefore be ensured by other means that the nominal permissible limit values of all system components are complied with under all operating conditions.</p>	●	●	●	●	○	○	
P	<p>Function in pump and motor mode</p> <p>The pressure cut-off controls the nominal system pressure (pnom). This refers to the pressure independent of the respective operating condition. This means that in both pump and motor operation, the pump is swiveled back towards „0“ when the nominal pressure is reached.</p> <p>Pressure cut-off settings please see item 24.</p>	●	●	●	●	○	○	

Symbol	065 085 100 145 175	●	●	○
Status	Nominal sizes at development stage/ prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

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07.

MODELCODE
ITEM

Electric Connectors for Solenoids

Item	Feature		Nominal size	Spec.
07.	Electric connectors for solenoids			
	Characteristic		Nominal size	Spec.
		Electrically actuated function		
		4. Displacement controller	5. Enable function controller	
				<div style="display: flex; justify-content: space-around;"> <div style="background-color: #007bff; color: white; padding: 2px 5px;">065</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">085</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">100</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">115</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">145</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">175</div> </div>
00	Not applicable	Not applicable	<p style="font-size: 10px; color: red;">This selection applies if neither an electrically actuated displacement controller (see item 04) nor an enable controller function (see item 05) is chosen.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">● ● ● ● ○ ○</div> </div>	
0D	Deutsch	Deutsch	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">● ● ● ● ○ ○</div> </div>	
0A	AMP Junior Timer	AMP Junior Timer	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">● ● ● ● ○ ○</div> </div>	
ND	Deutsch with manual override	Deutsch	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">● ● ● ● ○ ○</div> </div>	
NA	AMP Junior Timer with manual override	AMP Junior Timer	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">● ● ● ● ○ ○</div> </div>	

Your choice here is indicative for further config. steps. If you choose a sensor at modelcode item 17, the same connector type must be selected there. A mix of different connector types is not possible.

Symbol	065 085 100 145 175	●	●	○
Status	Nominal sizes at development stage/prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

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08.

MODELCODE
ITEM

Voltage for Solenoids

Item	Feature	Nominal size						Spec.
		065	085	100	115	145	175	
08.	Voltage for solenoids							
	Characteristic							
0	Not applicable	●	●	●	●	○	○	
1	12 V	●	●	●	●	○	○	
2	24 V	●	●	●	●	○	○	

Symbol	065 085 100 145 175	■	●	○
Status	Nominal sizes at development stage/ prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



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09.

MODEL CODE ITEM

Front End - Mounting Flange

Item	Feature										
09.	Front end - Mounting flange										
	Characteristic					Nominal size					Spec.
	Standard	Size [mm]	Horizontal hole pattern, Fixing points	Square hole pattern, Number of fixing points	065	085	100	115	145	175	
C6	SAE C	127	2	4	●	●	●				
D6	ISO 3019-1 / SAE J744 SAED	152	2	4				●	○	○	
E4	SAE E	165		4						○	

Symbol	065 085 100 145 175	●	●	○
Status	Nominal sizes at development stage/ prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

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10.

MODELCODE ITEM Front End - Drive Shaft / Drive Flange

Item	Feature					Nominal size						Spec.
	Characteristic											
	Standard	Number of teeth	Spline pitch/module	Identification code		065	085	100	115	145	175	
S7		14	12/24	32-4		●	●	●				
S8		21	16/32	35-4		●	●	●	●			
V6	ISO 3019-1/ SAE J744	23	16/32	38-4		○	●	●	○			
V7		27	16/32	44-4					○	○	○	
T1		13	8/16	44-4		●	●	●	○	○		
T2		15	8/16	50-4					○	○	○	

Item	Feature					Nominal size						Spec.
	Characteristic											
	Standard	Number of teeth	Spline pitch/module	Identification code		065	085	100	115	145	175	
D3		14	2	W30		○						
D4		16	2	W35		●	●	●				
D5	DIN5480	18	2	W40		○			○			
D6		21	2	W45					○	○	○	○
D7		24	2	W50							○	○
F4	SAE J1946			Companion flange Type A - 120x8xM10		○	○	○	○	○	○	

Symbol	065 085 100 145 175	●	●	○
Status	Nominal sizes at development stage/prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



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11.

MODELCODE
ITEM

(Multiple) Pump Configuration

Item	Feature																								
11.	(Multiple) pump configuration																								
	Position of the pump in context of your inquiry	Number of pumps in total	Will be supplied as an factory-assembled multiple pump configuration	Choose PTO option compatible with subsequent pump (see model code items 12 & 13):	Please observe the maximum permissible drive shaft torque!	Please note the maximum permissible moment of inertia when mounting the pumps to the prime mover!																			
00	1	1					Single pump configuration											065	085	100	115	145	175		
12	1	2	✓	!	!		Multiple pump configuration, Assembly in intermediate position		<p>Please note!</p> <p>This choice only applies to multiple pump configurations factory-supplied by LHY. Multiple pump configurations that are assembled by the customer must be configured as single pumps and are not taken into account here.</p> <p>Each pump of the desired configuration must be configured individually.</p> <p>In this document, you configure the pump whose position you choose with this modelcode item! Fill out 1 entire Modelcode & Availability sheet for each pump.</p>																
22	2	2	✓				Multiple pump configuration, Assembly in end position																		
13	1	3	✓	!	!	!	Multiple pump configuration, Assembly in intermediate position																		
23	2	3	✓	!	!	!	Multiple pump configuration, Assembly in intermediate position																		
33	3	3	✓			!	Multiple pump configuration, Assembly in end position																		

Symbol	065 085 100 145 175			
Status	Nominal sizes at development stage/prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

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12.

MODELCODE ITEM

Power Takeoff (PTO) End - Mounting Flange

Item	Feature													
12.	Power takeoff (PTO) end - Mounting flange													
	Characteristic						Nominal size		Spec.					
	Multiple pump configurations													
	LHY factory multiple pumps	Customer assembled multiple pumps	Standard	Size [mm]	Horizontal thread pattern, number of threads	Square thread pattern, number of threads	065	085	100	115	145	175		
00	-	-	-	-	Blind plate / No Power Takeoff (PTO)		●	●	●	○	○			
A2	✓	✓		SAE A	82	2x M10 14 mm deep	No threads	○	○	○	○	○		
B2	✓		ISO 3019-1 / SAE J744	SAE B	101	2x M12, 16 mm deep	4x M12, 16 mm deep, not in use	●	●	●	●	○	○	
B4	✓					2x M12, 16 mm deep, not in use	4x M12, 16 mm deep	●	●	●	●	○	○	
B6		✓				2x M12, 16 mm deep, not in use	4x M12, 16 mm deep	●	●	●	●	○	○	

Item	Feature												
	Characteristic						Nominal size		Spec.				
	Multiple pump configurations												
	LHY factory multiple pumps	Customer assembled multiple pumps	Standard	Size [mm]	Horizontal thread pattern, number of threads	Square thread pattern, number of threads	065	085	100	115	145	175	
C2	✓				127	2x M16, 22 mm deep	4x M16, 16 mm deep, not in use	●	●	●	●	○	○
C4	✓		SAE C		127	2x M16, 22 mm deep, not in use	4x M12, 16 mm deep	●	●	●	●	○	○
C6		✓	ISO 3019-1 / SAE J744		127	2x M16, 22 mm deep	4x M12, 16 mm deep	●	●	●	●	○	○
D4	✓	✓		SAE D	152	No threads, not in use	4x M20, 22 mm deep				●	○	○
E4	✓	✓		SAE E	165	No threads, not in use	4x M22						○

Symbol	065 085 100 145 175		●	○
Status	Nominal sizes at development stage/ prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



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13.

MODELCODE ITEM

Power Takeoff (PTO) End - Drive coupling

Item	Feature										Nominal size	Spec.						
13.	Power takeoff (PTO) end - Drive coupling																	
	Characteristic																	
	Internal gearing		PTO closing cover															
	Standard	Number of teeth	Spline pitch	Ident code	Dust cover for transportation and storage	Blind plate for operation without PTO					065	085	100	115	145	175		
00	-	-	-	-		✓	Blind plate / No PTO Compatibility with PTO-Mount.Flange. 00 A2 B2 B4 B6 C2 C4 C6 D4 E4 ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓					●	●	●	●	○	○	
S2		9		16-4	✓		Drive coupling Compatibility with PTO-Mount.Flange. 00 A2 B2 B4 B6 C2 C4 C6 D4 E4 ✓ ✓					○	○	○	○	○	○	
S3	ISO 3019-1/ SAE J744	11		19-4	✓		Drive coupling Compatibility with PTO-Mount.Flange. 00 A2 B2 B4 B6 C2 C4 C6 D4 E4 ✓ ✓					○	○	○	○	○	○	
S4		13		22-4	✓		Drive coupling Compatibility with PTO-Mount.Flange. 00 A2 B2 B4 B6 C2 C4 C6 D4 E4 ✓ ✓ ✓ ✓					●	●	●	●	○	○	
S5		15		25-4	✓		Drive coupling Compatibility with PTO-Mount.Flange. 00 A2 B2 B4 B6 C2 C4 C6 D4 E4 ✓ ✓ ✓ ✓					●	●	●	●	○	○	

Item	Feature										Nominal size	Spec.						
	Power takeoff (PTO) end - Drive coupling																	
	Characteristic																	
	Internal gearing		PTO closing cover															
	Standard	Number of teeth	Spline pitch	Ident code	Dust cover for transportation and storage	Blind plate for operation without PTO					065	085	100	115	145	175		
S7		14	12/24	32-4	✓		Drive coupling Compatibility with PTO-Mount.Flange. 00 A2 B2 B4 B6 C2 C4 C6 D4 E4 ✓					●	●	●	●	○	○	
S8		21		35-4	✓		Drive coupling Compatibility with PTO-Mount.Flange. 00 A2 B2 B4 B6 C2 C4 C6 D4 E4 ✓					●	●	●	●	○	○	
V6	ISO 3019-1/ SAE J744	23	16/32				Drive coupling Compatibility with PTO-Mount.Flange. 00 A2 B2 B4 B6 C2 C4 C6 D4 E4 ✓											
			23		38-4	✓		Drive coupling Compatibility with PTO-Mount.Flange. 00 A2 B2 B4 B6 C2 C4 C6 D4 E4 ✓									○	○
T1		13	8/16	44-4	✓		Drive coupling Compatibility with PTO-Mount.Flange. 00 A2 B2 B4 B6 C2 C4 C6 D4 E4 ✓										○	○

Symbol	065 085 100 145 175	●	●	○
Status	Nominal sizes at development stage/prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request

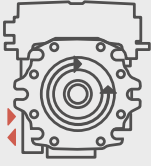


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14.

MODELCODE
ITEM

High Pressure Work Ports

Item	Feature	
14.	High pressure work ports	
	Characteristic	Nominal size
	Standard	065 085 100 115 145 175
	Orientation	Radial
R	ISO 6162-2 	● ● ● ● ○ ○

Symbol	065 085 100 145 175	●	●	○
Status	Nominal sizes at development stage/ prototype status	Option with a tendency towards higher & more rapid availability		
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15.

MODEL CODE
ITEM

Auxiliary Ports

Item	Feature					
15. Auxiliary ports						
	Standard					<div style="display: flex; justify-content: space-around; font-size: 0.8em;"> 065 085 100 115 145 175 </div>
M	ISO 6149-1			Threaded ports, ISO metric, Location and dimensions see installation drawing		<div style="display: flex; justify-content: space-around; font-size: 1.2em;"> ● ● ● ● ○ ○ </div>

Symbol	<div style="display: flex; justify-content: space-around; font-size: 0.8em;"> 065 085 100 145 175 </div>	<div style="background-color: #90EE90; width: 15px; height: 15px; margin: 0 auto;"></div>	●	○
Status	Nominal sizes at development stage/ prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



CONFIGURATION

Modelcode & Availability

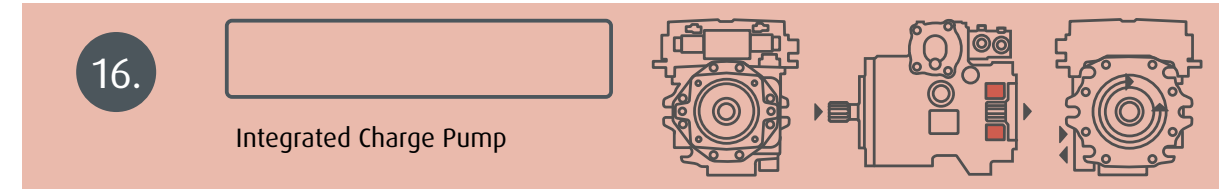
Your choice & Inquiry

CONFIGURATION

Modelcode & Availability

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Item			Nominal size	Spec.
16.				
	Displacement [cc/rev]		065 085 100 115 145 175	
00	00	No integrated charge pump	● ● ● ● ○ ○	
15	15	Integrated charge pump, Design: Internal gear pump	○	
22	22		● ● ● ○	
26	26		● ● ● ●	
30	30		● ● ●	
31	31			○ ○
34	34			●
39	39			○ ○
45	45			○

Item			Nominal size	Spec.
	Displacement [cc/rev]		065 085 100 115 145 175	

Symbol	065 085 100 145 175	●	●	○
Status	Nominal sizes at development stage/prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

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17.

MODELCODE ITEM

Swash Angle Sensor

Item	Feature			Nominal size						Spec.
17.	Swash angle sensor									
	Characteristic									
	Swash angle sensor	Prepared for swash angle sensor	Without swash angle sensor	065	085	100	115	145	175	
00			✓	●	●	●	●	○	○	No swash angle sensor; Option does not allow the subsequent installation of the sensor
AD	✓			●	●	●	●	○	○	Swash angle sensor; Function: Swash angle, Connector: Deutsch Please note! If you've already chosen a connector type at modelcode item 07, please don't mix it with a different type here.
AA	✓									Swash angle sensor; Function: Swash angle, Connector: AMP Junior Timer Please note! If you've already chosen a connector type at modelcode item 07, please don't mix it with a different type here.

Symbol	065 085 100 145 175	●	●	○
Status	Nominal sizes at development stage/prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



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18.

MODEL CODE ITEM

Pressure Sensors

Item	Feature			Nominal size						Spec.
18.	Pressure sensors									
	Characteristic									
	Pressure sensor	Prepared for pressure sensor	Without pressure sensor	065	085	100	115	145	175	
00		✓	✓	●	●	●	●	○	○	No pressure sensors, Option does allow the subsequent installation of pressure sensors
PD	✓			○	○	○	○	○	○	2x Pressure sensors; Function: High pressure at port A, High pressure at port B Connector: Deutsch <i>Please note!</i> If you've already chosen a connector type at modelcode item 07, please don't mix it with a different type here.
PA	✓			○	○	○	○	○	○	2x Pressure sensors; Function: High pressure at port A, High pressure at port B Connector: AMP Junior Timer <i>Please note!</i> If you've already chosen a connector type at modelcode item 07, please don't mix it with a different type here.

Symbol	065 085 100 145 175	●	●	○
Status	Nominal sizes at development stage/ prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

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19.

MODELCODE
ITEM

Oil Filtration

Item	Feature	Nominal size					Spec.
19.	Oil filtration						
	Overview oil filtration	CPV-side equipment			Customer-side requirements		
	Hydraulic circuit	Oil filter	Clogging Ind.	Inlet Port [F]	Outlet Port [P]	Inlet Port [S]	Charge pump Oil filter
							065 085 100 115 145 175
S						✓	✓
	Remote filtration via suction line						● ● ● ● ○ ○
	Compatibility with charge pump						00 22 26 30 34 41 52 59
							✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
D			✓	✓	✓		✓
	Remote filtration via charge pressure line						● ● ● ● ○ ○
	Compatibility with charge pump						00 22 26 30 34 41 52 59
							✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
E			✓	✓		✓	✓
	Remote filtration via charge pressure line, remote charge pump						● ● ● ● ○ ○
	Compatibility with charge pump						00 22 26 30 34 41 52 59
							✓

Item	Feature	Nominal size					Spec.
	Overview oil filtration	CPV-side equipment			Customer-side requirements		
	Hydraulic circuit	Oil filter	Clogging Ind.	Inlet Port [F]	Outlet Port [P]	Inlet Port [S]	Charge pump Oil filter
							065 085 100 115 145 175
F		✓				✓	
	Integrated filtration via charge pressure line						● ● ● ● ○ ○
	Compatibility with charge pump						00 22 26 30 34 41 52 59
							✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
C		✓	✓			✓	
	Integrated filtration via charge pressure line with clogging indication						○ ○ ○ ○ ○ ○
	Compatibility with charge pump						00 22 26 30 34 41 52 59
							✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓

Symbol	065 085 100 145 175	●	●	○
Status	Nominal sizes at development stage/prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

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20.

MODELCODE
ITEM

Shaft seal

Item	Feature	Nominal size						Spec.
20.	Shaft seal							
	Characteristic							
		065	085	100	115	145	175	
0	Standard	●	●	●	●	○	○	
H	Heavy duty	○	○	○	●	○	○	

Symbol	065	085	100	145	175	■	●	○
Status	Nominal sizes at development stage/prototype status		Option with a tendency towards higher & more rapid availability					
Availability	Availability refers to a limited volume of units		✓	✓	Upon request			



CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

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21.

MODELCODE
ITEM

Additional Option 1

Item	Feature									
21.	Additional option 1									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #ddd;"> <th style="width: 50%;">Characteristic</th> <th style="width: 20%;">Nominal size</th> <th style="width: 30%;">Spec.</th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;"> <div style="display: flex; justify-content: space-around; font-size: 10px;"> 065 085 100 115 145 175 </div> </td> <td></td> </tr> <tr> <td style="text-align: center;">00</td> <td style="text-align: center;">Not applicable</td> <td style="text-align: center;">● ● ● ● ○ ○</td> </tr> </tbody> </table>	Characteristic	Nominal size	Spec.		<div style="display: flex; justify-content: space-around; font-size: 10px;"> 065 085 100 115 145 175 </div>		00	Not applicable	● ● ● ● ○ ○
Characteristic	Nominal size	Spec.								
	<div style="display: flex; justify-content: space-around; font-size: 10px;"> 065 085 100 115 145 175 </div>									
00	Not applicable	● ● ● ● ○ ○								

Symbol	065 085 100 145 175	●	●	○
Status	Nominal sizes at development stage/ prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

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22.

MODELCODE
ITEM

V

Seal Material

Item	Feature									
22.	Seal material									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Characteristic</th> <th>Nominal size</th> <th>Spec.</th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;"> <div style="display: flex; justify-content: space-around;"> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">065</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">085</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">100</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">115</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">145</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">175</div> </div> </td> <td></td> </tr> <tr> <td>V</td> <td>FKM (Viton)</td> <td style="text-align: center;">● ● ● ● ○ ○</td> </tr> </tbody> </table>	Characteristic	Nominal size	Spec.		<div style="display: flex; justify-content: space-around;"> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">065</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">085</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">100</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">115</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">145</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">175</div> </div>		V	FKM (Viton)	● ● ● ● ○ ○
Characteristic	Nominal size	Spec.								
	<div style="display: flex; justify-content: space-around;"> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">065</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">085</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">100</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">115</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">145</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">175</div> </div>									
V	FKM (Viton)	● ● ● ● ○ ○								

Symbol	065 085 100 145 175	●	●	○
Status	Nominal sizes at development stage/prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

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23.

MODELCODE
ITEM

Corrosion Protection or Paint

Item	Feature				Nominal size						Spec.
23.	Corrosion protection or paint										
	Characteristic				065	085	100	115	145	175	
	Corrosion protection	Primer	Top coat								
R00	Anticorit RPO-3002			Corrosion protection, no primer or paint, 6 month active	●	●	●	●	○	○	
P01		oxide red, RAL 3009		Primer	●	●	●	●	○	○	
P04		pure white RAL 9010		Primer	●	●	●	●	○	○	
P06		traffic grey B RAL 7043		Primer (default primer)	●	●	●	●	○	○	
V03		grey, RAL 7043	jet black, RAL 9005	2-coat paint	●	●	●	●	○	○	
V07		grey, RAL 7043	slate grey, RAL 7015	2-coat paint	●	●	●	●	○	○	

Symbol	065 085 100 145 175	●	●	○
Status	Nominal sizes at development stage/ prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

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24.

MODELCODE
ITEM

Primary Pressure Relief &
Pressure Cut-off

Item	Characteristics				Nominal size	Spec.						
24.	Primary pressure relief & pressure cut-off											
	Prim. pressure relief valve (obligatory) Max system pressure p_{max} [bar]	Pressure cut-off (optional) Nominal system pressure p_{nom} [bar]	<p>General overview & definition</p>									
			<p>Example scenario*</p>		<p>Repeated listing of the choice from the left side (for a better overview)</p> <table style="margin: auto;"> <tr> <td style="background-color: #007bff; color: white; padding: 5px;">065</td> <td style="background-color: #007bff; color: white; padding: 5px;">085</td> <td style="background-color: #007bff; color: white; padding: 5px;">100</td> <td style="background-color: #007bff; color: white; padding: 5px;">115</td> <td style="background-color: #007bff; color: white; padding: 5px;">145</td> <td style="background-color: #007bff; color: white; padding: 5px;">175</td> </tr> </table>		065	085	100	115	145	175
065	085	100	115	145	175							
495	495	470			● ● ● ● ● ○							
465	465	440			● ● ● ● ● ○							
445	445	420			● ● ● ● ● ○							
435	435	410			● ● ● ● ● ○							
420	420	395			● ● ● ● ● ○							
380	380	365	<p>The primary high-pressure relief (mandatory) controls the maximum system pressure (p_{max}). The pressure cut-off (optional) controls the nominal system pressure (p_{nom}). The two setting values can be selected as a defined pairing. Deviating settings are only possible after consultation with LHY. If you have not selected pressure cut-off (model code item 06), there is no systemic control of the nominal pressure. Thus, without a pressure cut-off it must therefore be ensured by other means that the nominal permissible limit values of all system components are complied with under all operating conditions.</p> <p>Primary high-pressure relief (maximum system pressure control p_{max})</p> <p>The reference value for the primary high-pressure protection is the feed pressure. When selecting in the model code, you specifically define the opening pressure of the HP valves. Regardless of the nominal size, this refers to a theoretical delivery volume of 20 l/min and a feed pressure of 15 bar. Deviations may occur if the operating parameters differ.</p> <p>Pressure cut-off (nominal system pressure control p_{nom})</p> <p>The reference value for the pressure cut-off is the tank pressure. Therefore, when selecting the appropriate setting, the feed pressure level plus the system design must always be taken into account in order to define the remaining safety up to the maximum system pressure (p_{max}). In general, LHY recommends not falling below a safety level of at least 25 bar. Therefore, ensure a minimum feed pressure of 15 bar under all operating conditions. Please contact us if you have different requirements.</p>									
350	350	325			○ ○ ○ ○ ○ ○							
300	300	275			○ ○ ○ ○ ○ ○							
250	250	225			○ ○ ○ ○ ○ ○							
200	200	175			○ ○ ○ ○ ○ ○							
150	150	125			○ ○ ○ ○ ○ ○							

Symbol	065	085	100	145	175	●	●	○
Status	Nominal sizes at development stage/prototype status					Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units					✓	✓	Upon request

*The example scenario shown here is only intended to illustrate the interdependence between the primary high-pressure relief and / or pressure cut-off and the different pressure conditions in the hydraulic system. It does NOT represent a generally recommended or specified choice of the primary high-pressure relief and/or pressure cut-off.



CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

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25.

MODELCODE
ITEM

Charge Pressure Relief Setting

Item	Feature	Nominal size						Spec.
25.	Charge pressure relief setting							
	Characteristic	065	085	100	115	145	175	
23	23 bar				●	○	○	
24	24 bar	●	●	●				

Symbol	065 085 100 145 175	■	●	○
Status	Nominal sizes at development stage/ prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

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26.

Maximum Displacement (Vgmax)

MODEL CODE ITEM

Item	Feature						
26.	Maximum Displacement (Vgmax)						
	Characteristic					Nominal size	Spec.
	Fixed setting	Individual setting	Comes with adjustment screw	Subsequent changes possible	Set value [cc/rev]	065 085 100 115 145 175	
[999]	✓				No individual value, Vgmax is preset at the factory. Pump is delivered without adjustment screw	066.6	●
				085.6		●	
				100.5		●	
				115.4		●	
				149		○	
				175		○	
[VALUE]		✓	✓	✓	Individual value (numeric, 3 digits, only integer values) Pump is delivered with adjustment screw	045 to 066	●
				067 to 085		●	
				086 to 100		●	
				101 to 115		●	
				116 to 149		○	
				150 to 175		○	

Symbol	065 085 100 145 175	●	●	○
Status	Nominal sizes at development stage/prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



In the following you will find the configuration features including brief information. In order to be able to save your choice without problems, please save this document on a local drive before starting and after completing the configuration. Set your choice via the dropdown menus in the upper area. In order to ensure a feasible configuration, please consider the availability and compatibility of the individual items with the relevant nominal size. In the section [Your choice & inquiry] these items are then listed as a coherent model code. This code serves for further processing of your inquiry.

27.

MODEL CODE
ITEM

Additional Setting Option 1

Item	Feature									
27.	Additional setting option 1									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Characteristic</th> <th>Nominal size</th> <th>Spec.</th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;"> <div style="display: flex; justify-content: space-around;"> <div style="background-color: #007bff; color: white; padding: 2px 5px;">065</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">085</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">100</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">115</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">145</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">175</div> </div> </td> <td></td> </tr> <tr> <td>99</td> <td style="text-align: center;">Not applicable</td> <td style="text-align: center;">● ● ● ● ○ ○</td> </tr> </tbody> </table>	Characteristic	Nominal size	Spec.		<div style="display: flex; justify-content: space-around;"> <div style="background-color: #007bff; color: white; padding: 2px 5px;">065</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">085</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">100</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">115</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">145</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">175</div> </div>		99	Not applicable	● ● ● ● ○ ○
Characteristic	Nominal size	Spec.								
	<div style="display: flex; justify-content: space-around;"> <div style="background-color: #007bff; color: white; padding: 2px 5px;">065</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">085</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">100</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">115</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">145</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">175</div> </div>									
99	Not applicable	● ● ● ● ○ ○								

Symbol	065 085 100 145 175		●	○
Status	Nominal sizes at development stage/ prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

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28.
MODEL CODE
ITEM

Additional Setting Option 2

Item	Feature									
28.	Additional setting option 2									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Characteristic</th> <th>Nominal size</th> <th>Spec.</th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;"> <div style="display: flex; justify-content: space-around;"> <div style="background-color: #007bff; color: white; padding: 2px 5px;">065</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">085</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">100</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">115</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">145</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">175</div> </div> </td> <td></td> </tr> <tr> <td>99</td> <td style="text-align: center;">Not applicable</td> <td style="text-align: center;">● ● ● ● ○ ○</td> </tr> </tbody> </table>	Characteristic	Nominal size	Spec.		<div style="display: flex; justify-content: space-around;"> <div style="background-color: #007bff; color: white; padding: 2px 5px;">065</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">085</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">100</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">115</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">145</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">175</div> </div>		99	Not applicable	● ● ● ● ○ ○
Characteristic	Nominal size	Spec.								
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99	Not applicable	● ● ● ● ○ ○								

Symbol	065 085 100 145 175		●	○
Status	Nominal sizes at development stage/ prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

In the following you will find the configuration features including brief information. In order to be able to save your choice without problems, please save this document on a local drive before starting and after completing the configuration. Set your choice via the dropdown menus in the upper area. In order to ensure a feasible configuration, please consider the availability and compatibility of the individual items with the relevant nominal size. In the section [Your choice & inquiry] these items are then listed as a coherent model code. This code serves for further processing of your inquiry.

29.

MODEL CODE
ITEM

Additional Setting Option 3

Item	Feature									
29.	Additional setting option 3									
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Characteristic</th> <th style="width: 20%;">Nominal size</th> <th style="width: 30%;">Spec.</th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;"> <div style="display: flex; justify-content: space-around;"> <div style="background-color: #007bff; color: white; padding: 2px 5px;">065</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">085</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">100</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">115</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">145</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">175</div> </div> </td> <td></td> </tr> <tr> <td>99</td> <td style="text-align: center;">Not applicable</td> <td style="text-align: center;">● ● ● ● ○ ○</td> </tr> </tbody> </table>	Characteristic	Nominal size	Spec.		<div style="display: flex; justify-content: space-around;"> <div style="background-color: #007bff; color: white; padding: 2px 5px;">065</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">085</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">100</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">115</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">145</div> <div style="background-color: #007bff; color: white; padding: 2px 5px;">175</div> </div>		99	Not applicable	● ● ● ● ○ ○
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Status	Nominal sizes at development stage/ prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

In the following you will find the configuration features including brief information. In order to be able to save your choice without problems, please save this document on a local drive before starting and after completing the configuration. Set your choice via the dropdown menus in the upper area. In order to ensure a feasible configuration, please consider the availability and compatibility of the individual items with the relevant nominal size. In the section [Your choice & inquiry] these items are then listed as a coherent model code. This code serves for further processing of your inquiry.

31.

MODELCODE
ITEM

Variant Configuration

Item	Feature
31.	Variant configuration (may require further information)
	<div style="display: flex; justify-content: space-around; width: 100px;"> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">065</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">085</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">100</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">115</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">145</div> <div style="background-color: #007bff; color: white; padding: 2px 5px; font-size: 8px;">175</div> </div>
0	<p>Standard execution</p> <p>(Your desired configuration corresponds to the availabilities and combinations listed in this document.)</p> <p style="text-align: center;">● ● ● ● ○ ○</p>
S	<p>Special version</p> <p>(Your desired configuration does not correspond to the availabilities shown in this document and/or does not correspond to the possible combinations shown.)</p> <p>Please explain your desired configuration in more detail under "Your choice & inquiry"</p> <p style="text-align: center;">○ ○ ○ ○ ○ ○</p>

Symbol	065 085 100 145 175	●	●	○
Status	Nominal sizes at development stage/prototype status	Option with a tendency towards higher & more rapid availability		
Availability	Availability refers to a limited volume of units	✓	✓	Upon request



Configuration | Your choice & Inquiry

CONFIGURATION

Modelcode & Availability

Your choice & Inquiry

In the following you will find the choice of items you've made in the section [Modelcode & Availability]. In addition, you will find form fields for your personal data. In order to be able to save the content of the form fields without problems, please save this data sheet on a local drive before starting and after completing the configuration. Data may be lost when working in a browser-based environment. Please note! The form fields should be filled in as completely as possible to ensure smooth processing of your inquiry. In addition, this form is intended for inquiry purposes and to facilitate communication. However, it does not represent a binding order form.

TYPE		NOMINAL SIZE		DIR. OF ROT.		CONTROL				ELECTRICAL INTERFACE		MECH. INTERFACE - FRONT END		MULTIPLE PUMP [*]	PTO								
01.	CPV	02.		03.		04.		05.		06.		07.		08.		09.		10.		11.		12.	
PTO		HYDRAULIC INTERFACE			CHARGE PUMP		SENSORS			FILTRATION		SHAFT SEAL	ADD. OPTION	SEAL MATERIAL	SURF. TREATM.	SETTINGS							
13.		14.		15.		16.		17.		18.		19.		20.		21.		22.	V	23.		24.	
SETTINGS			ADD. SETTING OPTIONS				MODELCODE		VARIANT CONF.														
25.		26.		27.		28.		29.		30.	A4	31.											

Your company	Name			
	Customer ID	(if available)		
	Postal address	Street		
		City area/District		
		City/Town/Village		
		County		
		Postal code		
Country				
Your contact details	Name			
	Email			
	Phone	Landline		
		Mobile		

Your configuration	(Multiple) pump configuration	according to model code item 11.
Your demand	Planned quantity/year	Number of units
Your application (optional)	Type of application	
	Machine weight	t
	Power of the drive motor	kW
	Functional area of the inquired product	Hydraulic circuit
Operation		
Function		
Your notes (optional)		

To be able to save the content of the form fields without problems, please save this data sheet before sending.

Please find a local sales partner in your area on our website.

Submit the completed form. Your LHY sales partner will come back to you with an offer timely.

^{*}In the case of a multiple pump configuration chosen here (choice 12, 22, 13, 23 or 33), please ensure to fill out and submit one inquiry form for each pump of the configuration.



How to reach us

Post LHY Powertrain GmbH & Co. KG
Wailandtstrasse 13
63741 Aschaffenburg
Germany

Phone +49 6021 150-00 (switchboard)
Fax +49 6021 150-11570

E-Mail info@lhy.com
Internet www.lhy.com

LHY Powertrain | Worldwide

- (BR) LHY Powertrain South America**
Rua Almerim, 100, Cidade Tupinambá
07263-190 Guarulhos, São Paulo
Phone +55 11 2281 7879, info@lhy-lam.com
- (CN) Weichai Hydraulic Powertrain Co., Ltd.**
200 Yongchun Road, High-Tech Development Zone
261005 Weifang, Shandong
Phone +86 536 5075 293, info@lhy.com
No. 89 Jinshang Road
361009 Xiamen
Phone +86 592 5387 701, info@lhy.com
- (ES) LHY Powertrain Iberica S.L.**
Sant Cugat Business Park - Av. de la Via Augusta, 15
08174 Sant Cugat del Vallès, Barcelona
Phone +34 600 422 269, info.it@lhy.com
- (FR) LHY Powertrain France SARL**
1 Rue Georges Stephenson, 78180 Montigny-le-Bretonneux
Phone +33 699 86 56 00, info@lhy.com
- (IT) LHY Powertrain Italia S.p.A.**
Viale dell'Unione Europea, 33, 21013 Gallarate (VA)
Phone +39 0331 182 4910, info.it@lhy.com
- (UK) LHY Powertrain Limited**
12-13 Eyston Way, Abingdon Oxfordshire OX14 1TR
Phone +44 1235 522 828, enquiries@lhy-gb.com
- (US) LHY Powertrain Corporation**
5089 Western Reserve Road, Canfield, OH 44406
Phone +1 330 533 6801, info@lhy-us.com
1679 Overview Dr, Rock Hill, SC 29730
Phone +1 330 533 6801, info@lhy-us.com

