ATP Art. Nr. 510 751 101
Axialkolbenmotor verstellbar Linde
HMV-02-055-N-E400-000-D2-99-N10-N0-D-C2S0-T21-R00-000-V03-20-999-N-510 751 101

Model Code. HMV-02 Variable Displacement Motors (OL & CL)

/-02 Variable Displacement Motors (OL & CL)

Basic Specification				Motor Control				Motor Features		Mounting Interfaces				Motor PTO	Additions	Coating	Motor Setup			Processing Data	
HMV-02	- A2	-		-				-		-			-	-	-	-	-	/	-	-	/
1	2	3	4	5	6	7	8	9	10	11	12	13		14	15	16	17	18	19	20	21

Item	Feature	Frame Size 55	75	105	135	165	210	280	Choice
1.	Type								HMV-02
2.	Type Code Release								A2
Basic Specification									
3.	Frame Size								
055	55 cc	●							
075	75 cc		●						
105	105 cc			●					
135	135 cc				●				
165	165 cc					●			
210	210 cc						●		
280	280 cc							●	
4.	Rotation								
N	cw / ccw	●	●	●	●	●	●	●	
Motor Control									
5.	Motor Control								
H100	H1: hydr. prop./ standard mounting	●	●	●	●	●	●	●	
E100	E1: electro-prop./ standard mounting	●	●	●	●	●	●	●	
E200	E2: electric two pos. / standard mounting	●	●	●	●	●	●	●	
E400	E4: e-prop./ Vmin = 0 /standard mounting	●	●	●	●	●	●	●	
E600	E6: e-prop./ Vmin = 0/ standard mounting			●	●	●	●	●	
E1F0	E1F: electro-proportional /side-mounted		●						
E2F0	E2F: electric two position / side-mounted	●							
E4F0	E4F: e-prop./ Vmin = 0 / side-mounted		●	●					
E6F0	E6F e-prop./ Vmin = 0 / side-mounted		●		●				
H1P0	EH1P: hydraulic proportional / PCO		●	●	●	●			
H1C0	H1-CA: hydraulic prop./ CA operation (*m)						●	●	
H1PC	EH1P-CA: hydr. prop./ PCO / CA operation			●	●	●	●		
6.	Start of Control								
HF0	7,0 bar (H1; EH1P; EH1P-CA)	●	●	●	●	●	●	●	
HF5	7,5 bar (H1; EH1P; H1-CA)	●	●	●	●	●	●	●	
HH0	8,0 bar (H1; EH1P)	●	●	●	●	●	●	●	
HH5	8,5 bar (H1; EH1P)	●	●	●	●	●	●	●	
HK0	9,0 bar (H1; EH1P)	●	●	●	●	●	●	●	
HK5	9,5 bar (H1; EH1P)	●	●	●	●	●	●	●	
000	not applic. (E1(F); E2(F); E4(F); E6(F))	●	●	●	●	●	●	●	
7.	Control Solenoids								
A1	AMP / 12V	●	●	●	●	●	●	●	
A2	AMP / 24 V	●	●	●	●	●	●	●	
H1	DIN / 12 V	●	●	●	●	●	●	●	
H2	DIN / 24 V	●	●	●	●	●	●	●	
D1	Deutsch / 12V	○	○	○	○	○	○	○	
D2	Deutsch / 24V	○	○	○	○	○	○	○	
00	not applicable (H1; H1-CA; H2)	●	●	●	●	●	●	●	
8.	Response Orifices								
06	0,6 mm	●	●	●	●	●	●	●	
07	0,7 mm	●	●	●	●	●	●	●	
08	0,8 mm	●	●	●	●	●	●	●	
09	0,9 mm	●	●	●	●	●	●	●	
10	1,0 mm	●	●	●	●	●	●	●	
11	1,1 mm	●	●	●	●	●	●	●	
12	1,2 mm	●	●	●	●	●	●	●	
13	1,3 mm	●	●	●	●	●	●	●	
14	1,4 mm	●	●	●	●	●	●	●	
15	1,5 mm	●	●	●	●	●	●	●	
18	1,8 mm	●	●	●	●	●	●	●	
21	2,1 mm	●	●	●	●	●	●	●	
99	w/o response orifices	●	●	●	●	●	●	●	
Motor Features									
9.	Purge Relief Valve								
N10	10 bar standard purge flow	●	●	●	●	●	●	●	
N14	14 bar standard purge flow	●	●	●	●	●	●	●	
R10	10 bar reduced purge flow	●	●	●	●	●	●	●	
R14	14 bar reduced purge flow	●	●	●	●	●	●	●	
H10	10 bar increased purge flow	●	●	●	●	●	●	●	
Q06	flow controlled 6 l/min (*o)	●	●	●	●	●	●	●	
B00	blank plug inst. of relief valve (*v)	●	●	●	●	●	●	●	
000	w/o purge devices		●	●					
10.	Purge Shuttle Valve								
N0	standard shuttle valve	●	●	●	●	●	●	●	
D0	damped shuttle valve	●	●	●	●	●	●	●	
B0	shuttle valve blocked	●	●	●	●	●	●	●	
00	w/o purge devices		●	●					
Mounting Interfaces									
11.	Porting								
M	ISO 6149 metric		●	●	●	●	●	●	
D	DIN 3852	●	●	●	●				
12.	Mounting Flange								
S0	SAE J744 standard	●	●	●	●	●	●	●	
P0	plug-in (*d)		●	●	●				
13.	Drive shaft (S32 - T33: splined ANSI B92.1...)								
S32	12/24 - 14 theeth (SAE J744 C)	●	●	●					
S44	8/16 - 13 teeth (SAE J744 D&E)				●	●			
S50	8/16 - 15 teeth (SAE J744 F)						●	●	
T21	16/32 - 21 teeth	●	●						
T23	16/32 - 23 teeth			●					
T27	16/32 - 27 teeth				●	●	●		
T33	16/32 - 33 teeth							●	
F40	shaft coupling flange size 4						●	●	

Item	Feature	Frame Size 55	75	105	135	165	210	280	Choice
Motor PTO									
14.	PTO & Service Ports Orientation (S19 - U35: radial ports ...)								
R00	radial ports / without PTO	●	●	●	●	●	●	●	
L00	axial ports / without PTO			●	●	●			
S19	splined PTO shaft ANSI B92.1 16/32 - 19 t.			●					
S21	splined PTO shaft ANSI B92.1 16/32 - 21 t.				●				
S22	splined PTO shaft ANSI B92.1 16/32 - 22 t.					●			
S24	splined PTO shaft ANSI B92.1 16/32 - 24 t.						●		
S27	splined PTO shaft ANSI B92.1 16/32 - 27 t.							●	
F40	PTO shaft coupling flange size 4						●	●	
U35	PTO speed sensor 35 impulses	●	●	●	●	●	●	●	
Additions									
15.	Attachments to Service Ports								
P25	crossover relief block 250 bar (*p)						●	●	
P30	crossover relief block 300 bar (*p)						●	●	
P38	crossover relief block 380 bar (*p)						●	●	
P42	crossover relief block 420 bar (*p)						●	●	
000	w/o	●	●	●	●	●	●	●	
Coating									
16.	Coating								
R00	anti rust conservation oil (default)	●	●	●	●	●	●	●	
P01	primer RAL 3009 oxide red	●	●	●	●	●	●	●	
P03	primer blue	●	●	●	●	●	●	●	
V03	primer + coating RAL 9005 black	●	●	●	●	●	●	●	
V04	primer + coating RAL 7043 grey	●	●	●	●	●	●	●	
Motor Setup									
17.	Minimum Displacement Setting								
value	20 cc	●							
value	0 - 75 cc (numeric 3 digits)		●						
value	0 - 85 cc (numeric 3 digits)			●					
value	0 - 135 cc (numeric 3 digits)				●				
value	0 - 108 cc (numeric 3 digits)					●			
value	0 - 150 cc (numeric 3 digits)						●		
value	0 - 280 cc (numeric 3 digits)							●	
18.	Pressure Override Setting (numeric 3 digits)								
value	190-260 bar (EH1P; EH1P-CA only)		●	●	●	●	●		
999	not applicable	●	●	●	●	●	●	●	
19.	Special Requirements								
N	w/o special requirements (default)	●	●	●	●	●	●	●	
C	with special requirements	▲	▲	▲	▲	▲	▲	▲	
Processing Data									
20.	Customer Identification Number								
value	510 751 101								
21.	Customer Part Number								
value	alpha numeric 10 digits								

■ preferred option
● available option
○ option in preparation
▲ separate specification required
consult application engineering

(*d) DIN porting only (see pos. 11.)
(*m) ISO metric porting only (see pos. 11.)
(*o) open loop operation only
(*p) radial service ports only (see pos. 14.)
(*v) with blocked purge shuttle valve only (see pos. 10.)

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