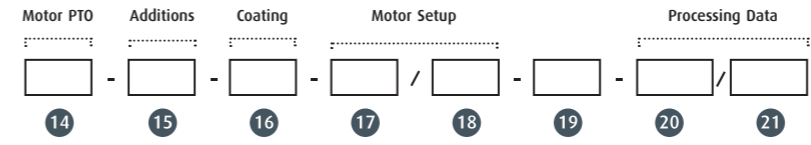
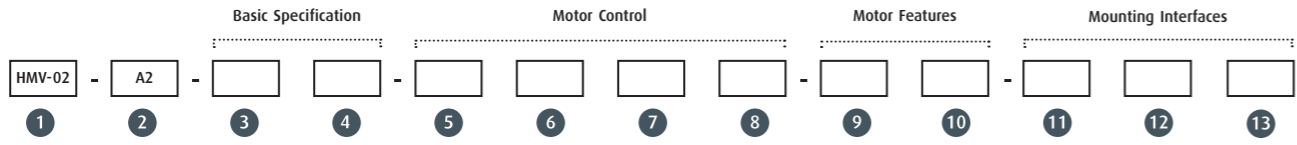


ATP Art. Nr. 510 751 101
 Axialkolbenmotor verstellbar Linde
 HMV-02-055-N-E400-000-D2-99-N10-N0-D-C2S0-
 T21-R00-000-V03-20-999-N-510 751 101

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

/-02 Variable Displacement Motors (OL & CL)



Item	Feature	Frame Size						Choice
		55	75	105	135	165	210	
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	●	●	●	●	●	●	

Item	Feature	Frame Size						Choice
		55	75	105	135	165	210	
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		●	●	●	●	●	
0	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 teeth (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						Choice
		55	75	105	135	165	210	
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.)

● 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
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 (*v) with blocked purge shuttle valve only (see pos. 10.)