

**BALDOR® • RELIANCE®**

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# Customer information packet

## HDS100-0206ARKNN

HDS100-0206ARKNN, RES, KEY, 230V

**Specifications**

<b>Bearing Grease Type</b>	Polyrex EM
<b>Dimensional Drawing Numbers</b>	HD100LYA001
<b>Nameplate Amps</b>	3.2

**Part detail**

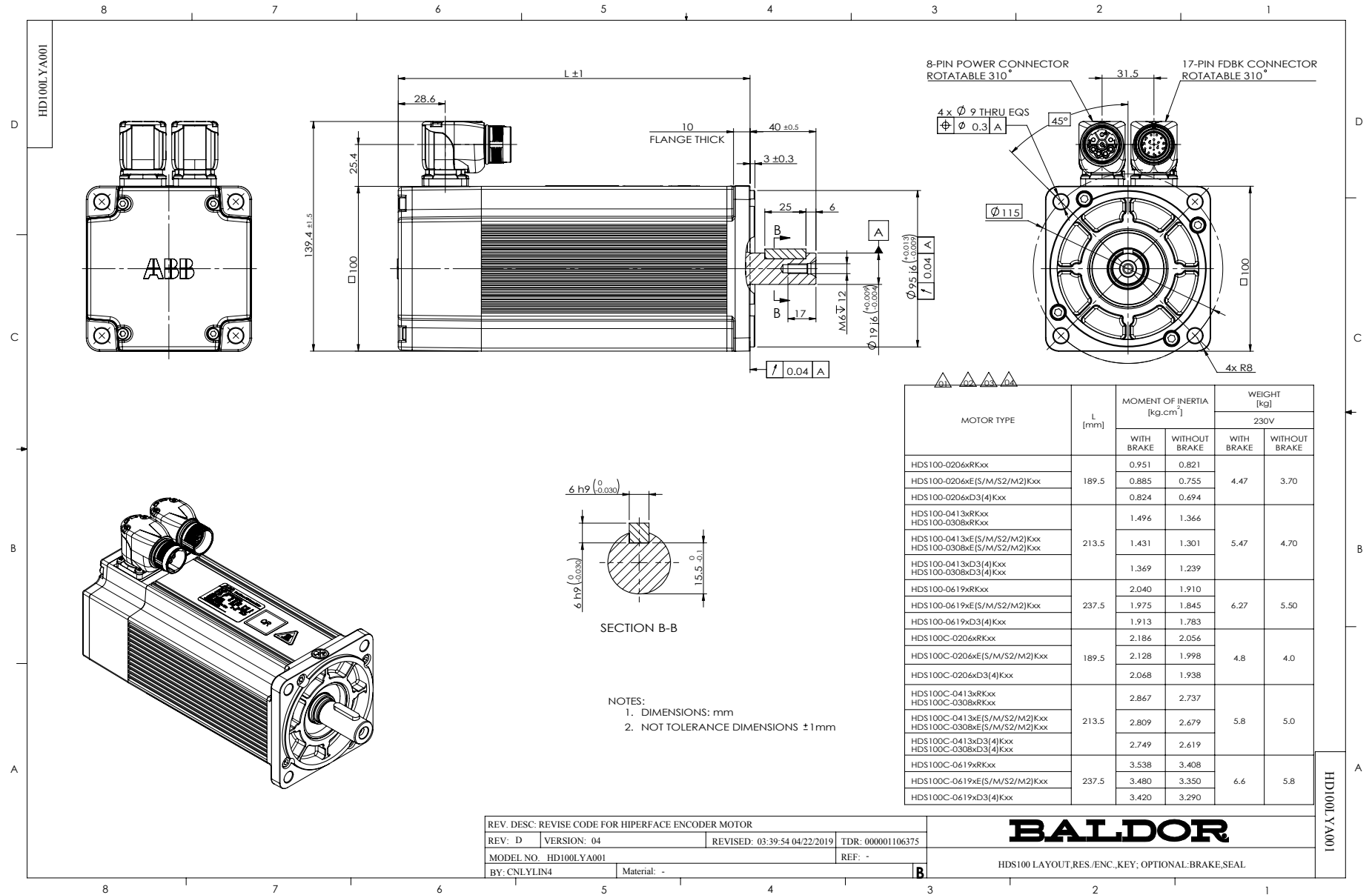
<b>Revision</b>	D
<b>Type</b>	
<b>Mech. spec.</b>	
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	
<b>Layout</b>	HD100LYA001
<b>Eff. date</b>	04-09-2018
<b>CD Diagram</b>	
<b>Poles</b>	
<b>Leads</b>	
<b>Proprietary</b>	False
<b>Created date</b>	08-15-2017

**Nameplate**

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<b>LB1577T01</b>									
<b>MODEL:</b>	HDS100-0206ARKNN								
<b>PN</b>	0.6	<b>KW</b>	<b>TO</b>	2.0	<b>N.M</b>	<b>IO</b>	3.2	<b>A</b>	
<b>U</b>	230	<b>V</b>	<b>TP</b>	6.0	<b>N.M</b>	<b>IP</b>	11.0	<b>A</b>	
<b>NN/N MAX</b>	3000/4000		<b>RPM</b>	3XPTC130					
<b>FBK</b>	RES		<b>IP</b>	IP54	<b>INS F</b>				
<b>BRK:</b>		<b>VDC/</b>		<b>N.M</b>					
<b>S/N</b>									

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MOTOR TYPE	L [mm]	MOMENT OF INERTIA [kg.cm <sup>2</sup> ]		WEIGHT [kg]	
		WITH BRAKE	WITHOUT BRAKE	230V	
HDS100-0206xRKxx	189.5	0.951	0.821	4.47	3.70
HDS100-0206xE(S/M/S2/M2)Kxx		0.885	0.755		
HDS100-0206xD3(4)Kxx		0.824	0.694		
HDS100-0413xRKxx	213.5	1.496	1.366	5.47	4.70
HDS100-0413xE(S/M/S2/M2)Kxx		1.431	1.301		
HDS100-0308xE(S/M/S2/M2)Kxx		1.369	1.239		
HDS100-0619xRKxx	237.5	2.040	1.910	6.27	5.50
HDS100-0619xE(S/M/S2/M2)Kxx		1.975	1.845		
HDS100-0619xD3(4)Kxx		1.913	1.783		
HDS100C-0206xRKxx	189.5	2.186	2.056	4.8	4.0
HDS100C-0206xE(S/M/S2/M2)Kxx		2.128	1.998		
HDS100C-0206xD3(4)Kxx		2.068	1.938		
HDS100C-0413xRKxx	213.5	2.867	2.737	5.8	5.0
HDS100C-0308xE(S/M/S2/M2)Kxx		2.809	2.679		
HDS100C-0413xD3(4)Kxx		2.749	2.619		
HDS100C-0619xRKxx	237.5	3.538	3.408	6.6	5.8
HDS100C-0619xE(S/M/S2/M2)Kxx		3.480	3.350		
HDS100C-0619xD3(4)Kxx		3.420	3.290		

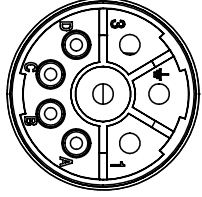

NOTES:  
 1. DIMENSIONS: mm  
 2. NOT TOLERANCE DIMENSIONS ±1mm

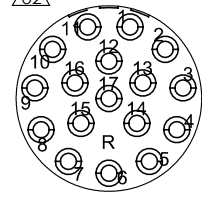
REV. DESC: REVISE CODE FOR HIPERFACE ENCODER MOTOR			
REV: D	VERSION: 04	REVISED: 03:39:54 04/22/2019	TDR: 000001106375
MODEL NO. HD100LYA001		REF: -	
BY: CNLYLIN4	Material: -		

**BALDOR**

HDS100 LAYOUT.RES/ENC.KEY, OPTIONAL.BRAKE,SEAL

CD2167A09

MOTOR & BRAKE & PTC LEADS			
 <p>WD1456A26 (PLUG SIDE)</p>	PIN	FUNCTION	COLOR
	1	U (R)	BLACK
	2	GROUND (PE)	YELLOW/GREEN
	3	W (T)	BLUE
	4	V (S)	RED
	A	PTC 	BLUE BLACK
	B	PTC	BLUE
	C	BRAKE	RED
	D	BRAKE	BLUE

RESOLVER LEADS			
 <p>WD1456A21 (PLUG SIDE)</p>	PIN	FUNCTION	COLOR
	1	R1 (REF+)	RED/WHITE
	2	R2 (REF-)	YELLOW/WHITE
	3	S1 (COS+)	RED
	4	S3 (COS-)	BLACK
	5	S4 (SIN-)	BLUE
	6	S2 (SIN+)	YELLOW
	7~17	-	-

REV. DESC: ENGINEERING CHANGE			
REV: B	VERSION: 02	REVISED: 04:41:51 03/04/2024	TDR: 000001227267
60A71DC	MODEL NO. CD2167A09		REF: -
	BY: CNCONIE	Material: -	

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CONNECTION DIAGRAM, POWER & RESOLVER

CD2167A09