

**BALDOR • RELIANCE**

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# Customer information packet

## HDS130-1829CSKNN

HDS130-1829CSKNN, SMART-ABS ENCODER, KEY

**Specifications**

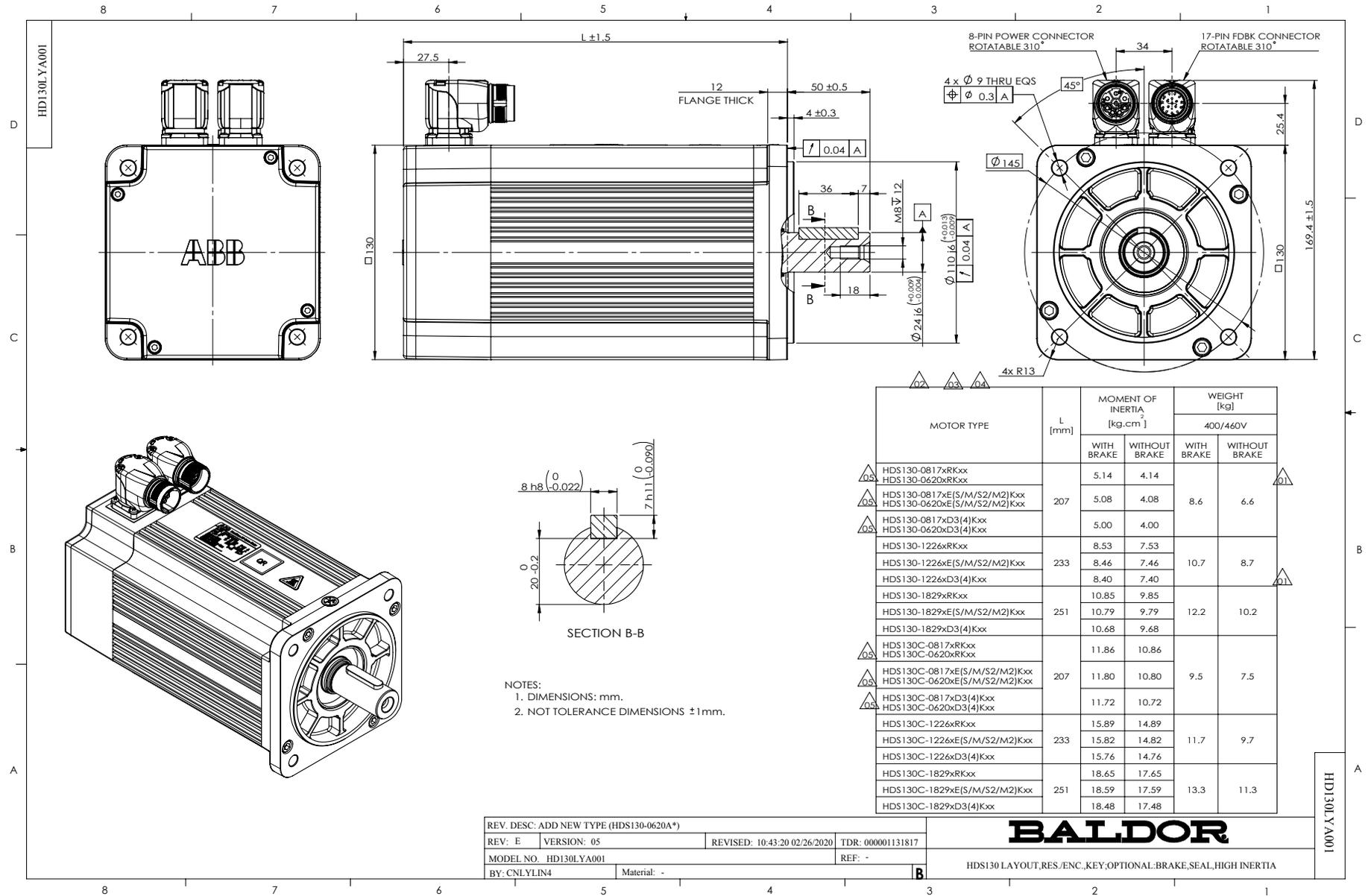
<b>Bearing Grease Type</b>	Polyrex EM
<b>Dimensional Drawing Numbers</b>	HD130LYA001
<b>Nameplate Amps</b>	13.0

**Part detail**

<b>Revision</b>	F
<b>Type</b>	
<b>Mech. spec.</b>	
<b>Base</b>	
<b>Status</b>	PRD/A
<b>Elec. spec.</b>	
<b>Layout</b>	HD130LYA001
<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****LB1577T01**

<b>MODEL:</b>	HDS130-1829CSKNN								
<b>PN</b>	2.9	<b>KW</b>	<b>TO</b>	18.0	<b>N.M</b>	<b>IO</b>	13.0	<b>A</b>	
<b>U</b>	460	<b>V</b>	<b>TP</b>	54.0	<b>N.M</b>	<b>IP</b>	42.0	<b>A</b>	
<b>NN/N MAX</b>	1500/4000		<b>RPM</b>	3XPTC130					
<b>FBK</b>	S.ABS		<b>IP</b>	IP54	<b>INS F</b>				
<b>BRK:</b>	VDC/		<b>N.M</b>						
<b>S/N</b>									



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

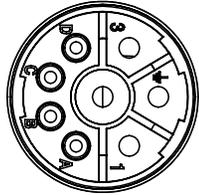
MOTOR TYPE	L [mm]	MOMENT OF INERTIA [kg.cm <sup>2</sup> ]		WEIGHT [kg]	
		WITH BRAKE	WITHOUT BRAKE	WITH BRAKE	WITHOUT BRAKE
HDS130-0817xRKxx HDS130-0620xRKxx	207	5.14	4.14		
HDS130-0817xE(S/M/S2/M2)Kxx HDS130-0620xE(S/M/S2/M2)Kxx		5.08	4.08	8.6	6.6
HDS130-0817xD3(4)Kxx HDS130-0620xD3(4)Kxx	251	5.00	4.00		
HDS130-1226xRKxx HDS130-1226xE(S/M/S2/M2)Kxx HDS130-1226xD3(4)Kxx		8.53	7.53	10.7	8.7
HDS130-1829xRKxx HDS130-1829xE(S/M/S2/M2)Kxx HDS130-1829xD3(4)Kxx	251	10.85	9.85		
HDS130C-0817xRKxx HDS130C-0620xRKxx		10.79	9.79	12.2	10.2
HDS130C-0817xE(S/M/S2/M2)Kxx HDS130C-0620xE(S/M/S2/M2)Kxx	207	10.68	9.68		
HDS130C-0817xD3(4)Kxx HDS130C-0620xD3(4)Kxx		11.86	10.86	9.5	7.5
HDS130C-1226xRKxx HDS130C-1226xE(S/M/S2/M2)Kxx HDS130C-1226xD3(4)Kxx	233	11.72	10.72		
HDS130C-1829xRKxx HDS130C-1829xE(S/M/S2/M2)Kxx HDS130C-1829xD3(4)Kxx		15.89	14.89	11.7	9.7
	251	15.82	14.82		
		15.76	14.76	13.3	11.3
	251	18.65	17.65		
		18.59	17.59		
	251	18.48	17.48		

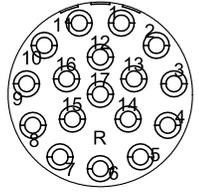
REV. DESC: ADD NEW TYPE (HDS130-0620A*)			TDR: 000001131817	
REV: E	VERSION: 05	REVISED: 10.43.20 02/26/2020		
MODEL NO. HD130LYA001		REF: -		
BY: CNLYLIN4	Material: -			

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HDS130 LAYOUT, RES./ENC./KEY/OPTIONAL: BRAKE, SEAL, HIGH INERTIA

CD2167A04

MOTOR & BRAKE LEADS			
 <p>WD1456A26 (INSERTION 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	

SMART-ABS ENCODER LEADS			
 <p>WD1456A21 (INSECTION SIDE)</p>	PIN	FUNCTION	COLOR
	1	VCC	RED
	2	GND	BLACK
	3	VB	BROWN
	4	GND	BROWN/BLACK
	5	SD	BLUE
	6	$\overline{\text{SD}}$	BLUE/BLACK
	7	CASE GND	GRAY
8-17			

REV. DESC: ENGINEERING CHANGE			
REV: E	VERSION: 05	REVISED: 04:28:49 03/04/2024	TDR: 000001227267
CD2167A04	MODEL NO. CD2167A04		REF: -
	BY: CNCONIE	Material: -	

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CONNECTION DIAGRAM, POWER & SMART-ABS ENCODER

CD2167A04