

BALDOR® • RELIANCE 

Product Information Packet

IDCSWDM3710T

7.5HP, 1770RPM, 3PH, 60HZ, 213TC, 3740M, TEFC

Part Detail							
Revision:	Y	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	37WGT864	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	37H885	Layout:	37LYH885	Poles:	04	Created Date:	10-25-2006
Base:	RG	Eff. Date:	04-24-2017	Leads:	9#14		

Specs			
Catalog Number:	IDCSWDM3710T	Inverter Code:	Inverter Duty
Enclosure:	TEFC	KVA Code:	J
Frame:	213TC	Lifting Lugs:	Standard Lifting Lugs
Frame Material:	Stainless Steel	Locked Bearing Indicator:	Locked Bearing
Output @ Frequency:	7.500 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 14 AWG
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	3740M
XP Class and Group:	None	Mounting Arrangement:	F1
XP Division:	Not Applicable	Power Factor:	81
Agency Approvals:	UR	Product Family:	Wash Down Paint Free
	CSA	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard
Base Indicator:	Rigid	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	RoHS Status:	ROHS COMPLIANT
Blower:	None	Shaft Extension Location:	Pulley End
Current @ Voltage:	19.000 A @ 230.0 V	Shaft Ground Indicator:	No Shaft Grounding

	9.500 A @ 460.0 V	Shaft Rotation:	Reversible
Design Code:	A	Shaft Slinger Indicator:	Shaft Slinger
Drip Cover:	No Drip Cover	Speed Code:	Single Speed
Duty Rating:	CONT	Motor Standards:	NEMA
Electrically Isolated Bearing:	Not Electrically Isolated	Starting Method:	Direct on line
Feedback Device:	NO FEEDBACK	Thermal Device - Bearing:	NONE (OLD)
Front Face Code:	Standard	Thermal Device - Winding:	Normally Closed Thermostat
Front Shaft Indicator:	None	Vibration Sensor Indicator:	No Vibration Sensor
Heater Indicator:	No Heater	Winding Thermal 1:	None
Insulation Class:	H	Winding Thermal 2:	None

Nameplate NP1608L	
CAT NO	IDCSWDM3710T
SPEC.	37H885T864G1
FRAME	213TC HP 7.5 TE
VOLTS	230/460
MAG CUR	8.8/4.4 FLA 19/9.5
RPM	1770 RPM MAX 6000
HZ	60 PH 3 CLASS H
SER.F.	1.00 DES A SL HZ 1
NEMA-NOM-EFF	91.7 WK2 0.98
BLWR V	PH HZ A
RATING	40C AMB-CONT
DE BRG	6307 ODE BRG 6206
CC	010A SN

Parts List		
Part Number	Description	Quantity
SA151215	SA 37H885T864G1	1.000 EA
RA140041	RA 37H885T864G1	1.000 EA
37FN3002B01	EXFN, PLASTIC, 7.50 OD, 1.155 ID	1.000 EA
HW3200S01	EYEBOLT 3/8-16 X3/4 S.S. TDR #35988	1.000 EA
37CB3000A40MU	K.O. BOX-MODEL 37 NEMA 213-5 .75 NPT LEA	1.000 EA
37GS1025	37 MOLDED GASKET W/LIP, LEAD SEAL	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	2.000 EA
HA5027A04	HA4054 T-DRAIN X2 BAGGED	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	BRASS CUP WASHER, FOR #10 SCREW	1.000 EA
37EP3101A49MU	FR EP 37 L & M TEFC (FOR S.P. #9D)	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
37EP3300A25MU	FACE MT EP-ENCL-307 BRG-213TC-215TC NO G	1.000 EA
HW4500A33	1/8 NPT STAINLESS,HOLO-KROME #13002,PRES	3.000 EA
HW4606A04	JM CLIPPER/SEAL (LWE-1376-2125-AL45)	1.000 EA
10XN2520S30	1/4-20 X 1 7/8 HEX HEAD SS	4.000 EA
XY3118S12	5/16-18 HEX NUT, STAINLESS STEEL	4.000 EA
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
37FH4000A45	STAINLESS FAN COVER, NO GREASER SLOT (FO	1.000 EA
11XW1032S06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	3.000 EA
36CB4517	LIPPED CB LID #304 STAINLESS - CLEANED	1.000 EA
37GS3010SP	1/16"WHITE LID GASKET	1.000 EA
59XW0832S07	TAPTITE II,HEX WSHR UNSLTD SER,410 S.S.,	4.000 EA

Parts List (continued)		
Part Number	Description	Quantity
HW4600B74	V-RING SLINGER 1.125 X 1.445 X .24 VITON	1.000 EA
HW2502F21	#303 SS,SQ KEY 5/16 X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ5001A02	732 CL SEALANT 3 OZ DIXIE BEARING 289100	0.001 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
LB1164	LABEL,WARNING AND DRAIN	1.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
HA3104S17	THRUBOLT 13.250LG SS	4.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP1608L	SS WD INV UL CSA CC REV MTG	1.000 EA
G0PA1000	PKG GRP, PRINT PK1026A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

AC Induction Motor Performance Data

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AC Induction Motor Performance Data

Record # 37140

Typical performance - not guaranteed values

Winding: 37WGT864	Type: 3739M	Enclosure: TEFC
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Nameplate Data			General Characteristics at 460 V, 60 Hz: High Volt Connection		
Rated Output (HP)	7.5		Full Load Torque	22.3 LB-FT	
Volts	230/460		Start Configuration	DOL	
Full Load Amps	19/9.5		Break Down Torque	71.3 LB-FT	
R.P.M.	1770		Pull-Up Torque	38.7 LB-FT	
Hz	60	Phase	Locked-rotor Torque	46.5 LB-FT	
NEMA Design Code	A	KVA Code	Starting Current	73 Amps	
Service Factor	1		No-load Current	4.3 Amps	
NEMA Nom. Eff.	91.7	P.F.	Line-line Res. @ 25°C.	1.34 Ohms	
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	69°C	
S.F. Amps			Temp. Rise @ S.F. Load		

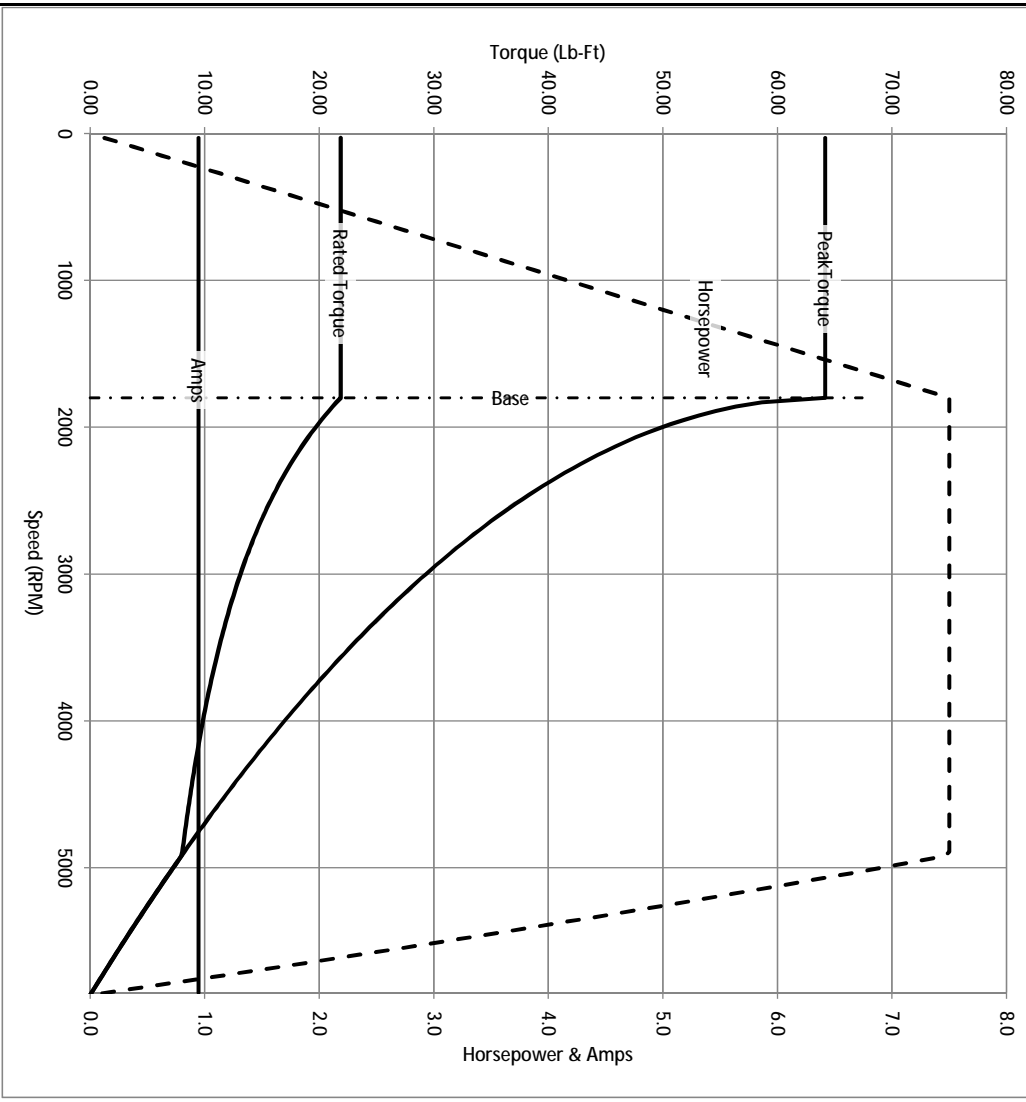
Load Characteristics at 460 Volts, 60 Hz, 7.5 HP

Load	25	50	75	100	125	150	S.F.
% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	42	65	75	81	83	85	
Efficiency	86.9	91.1	92.1	91.7	90.8	89.7	
Speed	1793	1786	1778	1770	1760	1750	
Line Amperes	4.8	5.95	7.62	9.47	11.6	13.9	

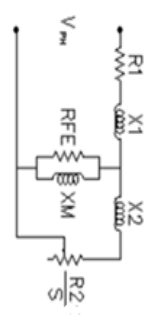
Baldor Electric Company Fort Smith, Arkansas



Catalog	IDCSWDM3710T	NP VOLTS	230/460	ENCLOSURE	TEFC	WYE CONN EQ CKT OHMS PER PHASE (BASE RATING, 20C)
FRAME	213TC	NP AMPS	19/9.5	Base Volts	460	R1 0.633
HP	7.5 HP	DUTY	Cont	Base AMPS	9.47	R2 0.402
BASE SPEED	1800	MAX SAFE RPM	6000	Slip Hz	1.00	XM1
PHASE/HZ	3/60	AMB ⁰ /T/NSUL	40/H	WK ² (lb.-ft. ²)	0.959	XM 57.989



Remarks: Calculated Data

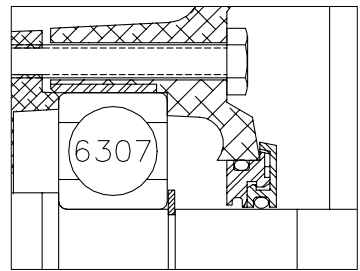
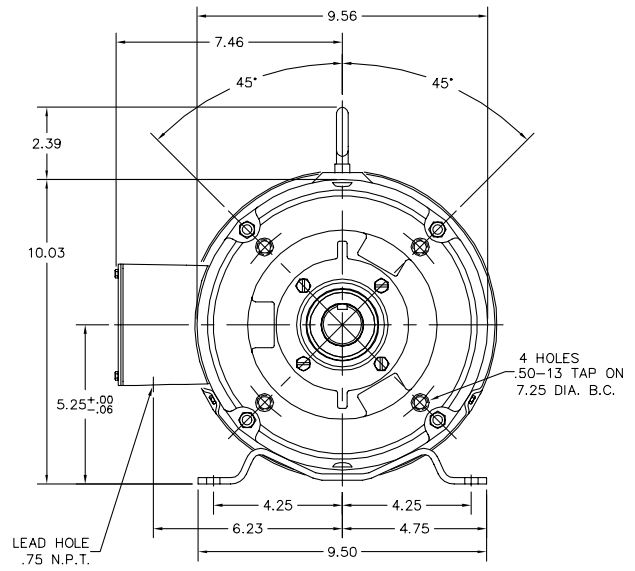
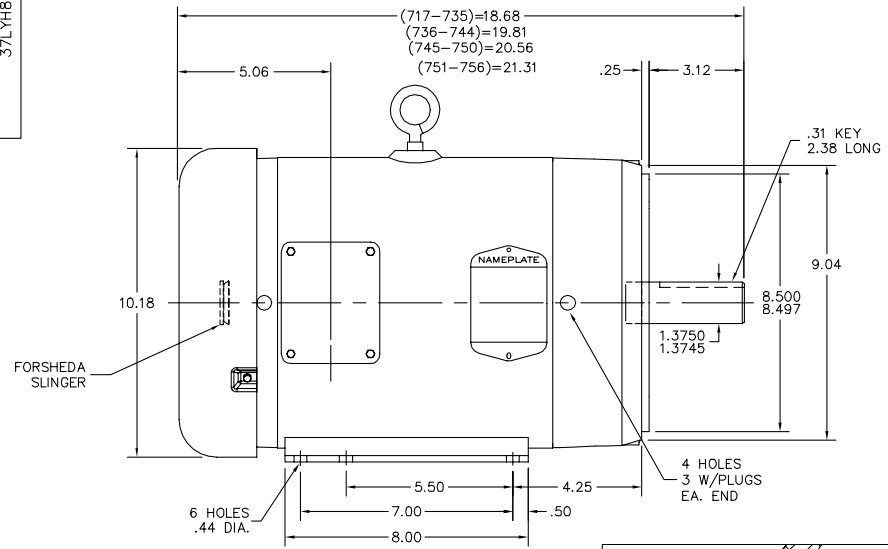


BALDOR DR BY ENR
 CK BY
 APP BY ENR
 DATE 3/6/2013

A MEMBER OF THE ABB GROUP

A-C MOTOR
 PERFORMANCE CURVES
 37H885T864G1
 ISSUE DATE 3/6/2013

37LYH885



PULLEY END SECTION

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: ADD TO SHOW KOBX GRAPHICS AND FH	VERSION: 04	TDR: 000000828873
REV. LTR: D	REVISED: 09:14:17 11/27/2013	BY: ENKANVO
FILE: \AAA\00093\295		
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BALDOR

HORZ 213-5TC TEFC 37M WD2 (PAINT FREE) INVERTER RAISED LTR

SH 1 of 1

37LYH885

CD0005

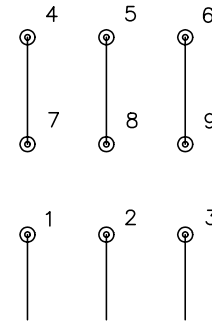


LOW VOLTAGE
(2Y)



LINE

HIGH VOLTAGE
(1Y)



LINE

NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			
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BALDOR ELECTRIC Co.

3PH, DV, 9 LEADS

CD0005