

BALDOR® • RELIANCE

Product Information Packet

CEM7073T

7.5HP,3450RPM,3PH,60HZ,184TC,3646M,XPFC

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3646M	Elec. Spec:	36WGS428	CD Diagram:	CD0005
Enclosure:	XPFC	Mfg Plant:		Mech. Spec:	36N018	Layout:	36LYN018
Frame:	184TC	Mounting:	F1	Poles:	02	Created Date:	08-04-2010
Base:	RG	Rotation:	R	Insulation:	B	Eff. Date:	07-23-2013
Leads:	9#16					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP0015XPSL						
NO.		CC	010A			
SER.						
SPEC.	36N018S428G1					
CAT.NO.	CEM7073T					
HP	7.5	T. CODE	T2C			
VOLTS	230/460					
AMPS	16.8/8.4					
RPM	3450					
HZ	60	PH	3	CL	B	
SER.F.	1.00	DES	A	CODE	L	
RATING	40C AMB-CONT					
FRAME	184TC	NEMA-NOM-EFF	89.5			
USABLE AT 208V	18.5	PF	93			
BLANK						

Parts List		
Part Number	Description	Quantity
SA200697	SA 36N018S428G1	1.000 EA
RA188008	RA 36N018S428G1	1.000 EA
35CB3001A02SP	EXPL PROOF CONDUIT BOX, 3/4"PIPE TAP LEA	1.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
HW3001B01	003SS CUP WASHER, FOR #8 SCREW	1.000 EA
36EP3700A01	FR ENDPLATE, MACH	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP1703A01	PU ENDPLATE, MACH	1.000 EA
51XN1032A20	10-32 X 1 1/4 HX WS SL SR	2.000 EA
HW4001A01	1/4 HX SOC PIPE PLG (F/S) ALLOY STEEL W/	2.000 EA
60XN1032A07	10-32 X 1/2 TRUSS HEAD, TORX SERRATED ZN	2.000 EA
36FH4009A02	FAN COVER FOR VM7042T	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 EA
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 EA
HW2501E16	3KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	6.000 EA
NP0018	NP- XP CONDUIT BOX DO NOT MAKE SELLABLE	1.000 EA
MJ1000A75	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
35FN3002A04SP	EXFN, PLASTIC, 6.376 OD, .906 ID W/KEY	1.000 EA
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1025Z20	ACTIVATOR WILKOFAS 060.32	0.010 GA

Parts List (continued)		
Part Number	Description	Quantity
MG1025G29	MUNSELL 4.5Y 5.3/0.7 DARK CHARCOAL GREY	0.022 GA
HA3105A09	THRUBOLT 3/8-16 X 12.000	4.000 EA
LB1119N	WARNING LABEL	1.000 EA
LB1125C02	SUPER-E (STOCK CTN LABEL SUPER-E WITH FL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP0015XPSL	SS XP UL CSA CC CL-I GP-D	1.000 EA
G0PA1000	SPCL PACKAGING	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA

AC Induction Motor Performance Data

Record # 35731 - Typical performance - not guaranteed values

Winding: 36WGS428-R004	Type: 3646M	Enclosure: XPFC
-------------------------------	--------------------	------------------------

Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	7.5			Full Load Torque	11.4 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	16.8/8.4			Breakdown Torque	57.9 LB-FT
R.P.M.	3450			Pull-up Torque	39.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	48.2 LB-FT
NEMA Design Code	A	KVA Code	L	Starting Current	91 A
Service Factor (S.F.)	1			No-load Current	2.33 A
NEMA Nom. Eff.	89.5	Power Factor	93	Line-line Res. @ 25°C	1.43 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	74°C
				Rotor inertia	0.205 LF ²

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	64	85	90	93	94	94
Efficiency	86.9	90.6	91	90.1	88.8	86.5
Speed	3571	3539	3505	3468	3429	3385
Line amperes	3.14	4.59	6.43	8.43	10.5	12.9

Performance Graph at 460V, 60Hz, 7.5HP Typical performance - Not guaranteed values





