



Product Information Packet

IDXM7170T

10HP,1760RPM,3PH,60HZ,215TC,0748M,XPFC,F

Part Detail							
Revision:	P	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	07WGX776	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	07H517	Layout:	07LYH517	Poles:	04	Created Date:	02-16-2006
Base:	RG	Eff. Date:	01-24-2018	Leads:	9#14	Y	

Specs			
Catalog Number:	IDXM7170T	Heater Indicator:	No Heater
Enclosure:	XPFC	Insulation Class:	F
Frame:	215TC	Inverter Code:	Inverter Duty
Frame Material:	Iron	KVA Code:	H
Output @ Frequency:	10.000 HP @ 60 HZ	Lifting Lugs:	Standard Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 14 AWG
	208.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	460.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
XP Class and Group:	CLI GP D	Motor Type:	0748M
XP Division:	Division I	Mounting Arrangement:	F1
Agency Approvals:	UR	Power Factor:	82
	UL	Product Family:	General Purpose
	CSA	Pulley End Bearing Type:	Ball
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)	Shaft Extension Location:	Pulley End

Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Constant Torque Speed Range:	30	Shaft Rotation:	Reversible
Current @ Voltage:	25.000 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
	26.300 A @ 208.0 V	Speed Code:	Single Speed
	12.500 A @ 460.0 V	Motor Standards:	NEMA
Design Code:	A	Starting Method:	Direct on line
Drip Cover:	No Drip Cover	Thermal Device - Bearing:	NONE (OLD)
Duty Rating:	CONT	Thermal Device - Winding:	Normally Closed Thermostat
Electrically Isolated Bearing:	Not Electrically Isolated	Vibration Sensor Indicator:	No Vibration Sensor
Feedback Device:	NO FEEDBACK	Winding Thermal 1:	None
Front Face Code:	Standard	Winding Thermal 2:	None
Front Shaft Indicator:	None	XP Temp Code:	T2B

Nameplate NP0890XPSLEV

NO.				CC	010A		
S/N				TEMP CODE	T2B		
SPEC.	07H517X776G1			INV.TYPE	PWM		
CAT.NO.	IDXM7170T			C HP FR	60	C HP TO 90	
HP	10			CT HZ FROM	30	CT HZ TO 60	
VOLTS	208-230/460			VT HZ FROM	6	VT HZ TO 60	
AMPS	26.3-25/12.5			MAG CUR	10.2/5.1		
RPM	1760			MX RPM	2700		
HZ	60	PH	3	CL	F	NOM.EFF.	92.4
SER.F.	1.00	DES	A	SL HZ	1.3	WK2	1.18
FRAME	215TC	RATING	40C AMB-CONT				

Parts List		
Part Number	Description	Quantity
SA139139	SA 07H517X776G1	1.000 EA
RA128645	RA 07H517X776G1	1.000 EA
37FN3002C01	EXFN, PLASTIC, 6.00 OD, 1.155 ID	1.000 EA
HA3210E08	.250X 7/8 PIN 312-57	1.000 EA
HW3201A05	3/8-16 EYEBOLT	1.000 EA
07CB1000A01	CONDUIT BOX MACH	1.000 EA
10XN3118A16	5/16-18X1 HEX HD CAP	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT .591 OD, .319 I	4.000 EA
11XW1032G06	10-32 X .38, TAPTITE II, HEX WSHR SLTD U	1.000 EA
WD1000B17	T&B CX35TN TERMINAL	1.000 EA
07EP1707A01	STD FRONT ENDPLATE EXPLOSION PROOF	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
HW5100A06	W2420-025 WVY WSHR (WB)	1.000 EA
07EP1708A01	STANDARD FACE MOUNTED ENDPLATE EXPLOSEIO	1.000 EA
HW4500A19	1/4-28X1/4 SLOTTED PLUG F/S	2.000 EA
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 EA
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 EA
10XN2520A32	1/4 X 2 HEX HEAD CAP SCR, GRADE 2	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
07FH1003A05	FAN HOUSING 307 EXPLOSION PROOF W/ GREAS	1.000 EA
10XN2520A12	O1/4-20X 3/4 HEX HEAD CAP	4.000 EA
07CB1502A01	CONDUIT BOX LID MACH (DUCTILE IRON)	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
10XN2520A16	1/4-20 X 1 HEX HEAD CAP SCR, ZINC PLATED	4.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	4.000 EA
HW2501F21	KEY, 5/16 SQ X 2.375	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
LB1081F	ALUM XP CAUTION LABEL (FS PLANT ONLY-	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 EA
MJ1000A02	GREASE, POLYREX EM EXXON (USe 4824-15A)	0.050 LB
51XB1214A20	12-14X1.25 HXWSSLD SERTYB	1.000 EA
MG1025G29	WILKOFAS, 789.229, DARK CHARCOAL GRAY	0.036 GA
LB1119N	WARNING LABEL	1.000 EA
LC0145B01	CONNECTION LABEL	1.000 EA
NP0890XPSLEV	SS XP INV UL CSA-EEV CC CL-I GP-D	1.000 EA
07PA1011	PKG GRP, 07 CAST IRON PK1181	1.000 EA
10XL3808A28	3/8 X 1 3/4" LAG SCREW	2.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 5/18	1.000 EA

**AC Induction Motor Performance Data**

Record # 27761

Typical performance - not guaranteed values

Winding: 07WGX776	Type: 0748M	Enclosure: XPFC
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Nameplate Data			General Characteristics at 208 V, 60 Hz: Low Volt Connection			
Rated Output (HP)	10		Full Load Torque	30 LB-FT		
Vols	208-230/460		Start Configuration	DOL		
Full Load Amps	26.3-25/12.5		Break Down Torque	70.5 LB-FT		
R.P.M.	1760		Pull-Up Torque	41.5 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque	50 LB-FT	
NEMA Design Code	A	KVA Code	H	Starting Current	158 Amps	
Service Factor	1			No-load Current	8.71 Amps	
NEMA Nom. Eff.	92.4	P.F.	82	Line-line Res. @ 25°C.	0.24 Ohms	
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	64°C	
S.F. Amps				Temp. Rise @ S.F. Load		

Load Characteristics at 208 Volts, 60 Hz, 10 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	53	74	83	85	86	86	
Efficiency	91	93.5	93.1	92.2	90.4	89	
Speed	1789	1778	1767	1756	1741	1727	
Line Amperes	10.6	14.9	20.3	26.4	33.2	40.7	

Baldor Electric Company Fort Smith, Arkansas







