

BALDOR® • RELIANCE

Product Information Packet

CHM144A

.25HP,1725RPM,3PH,60HZ,48Z,1710M,TEAO,F1

Part Detail							
Revision:	Z	Status:	NLA/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	1710M	Elec. Spec:	17GW382	CD Diagram:	CD0007
Enclosure:	TEAO	Mfg Plant:		Mech. Spec:	17K042	Layout:	17LYK042
Frame:	48Z	Mounting:	F1	Poles:	04	Created Date:	
Base:	RS	Rotation:	R	Insulation:	B	Eff. Date:	12-17-2014
Leads:	12#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1203A27						
CAT.NO.		ENCL		TEAO		
SPEC.	17K042W382	FRAME		48Z		
HP	.25 AIR OVER					
VOLTS	230/460					
AMPS	1/.5					
RPM	1725					
HZ	60	PH		3	CL	B
SER.F.	1.25	DES		B	CODE	L
FL EFF	69.5	PF				
RATING	40C AMB-CONT					
SF AMP	1.1/.55	USABLE AT 208V		1.1		
SER.						
MANUAL	N	AUTO		Y	NONE	N

Parts List		
Part Number	Description	Quantity
SA070449	SA 17K042W382	1.000 EA
RA064342	RA 17K042W382	1.000 EA
TPMYJ82KX	THERMAL 3PH 0.75 AUT 120C	1.000 EA
11XT0832G06	8-32 X 3/8 TY 23 TAPPING	1.000 EA
LD5000A52	LEAD ASSY W/INTERNAL STAR RING TERMINALS	1.000 EA
11XT1032A06	10-32 X 3/8 HX WSHR HD SLTD TYPE 23	2.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
17EP3200DT01	FR ENDPLATE, MACH W/HUB	1.000 EA
RM1000A03SP	CUSHION RING, MDL 17-33-34	1.000 EA
HA6004A01A	CLAMP CUSHION RING ASSY	1.000 EA
34CB4501SP	TERMINAL BOX LID, STAMPED X (PLATED)	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
17EP3100D01	PU ENDPLATE, MACH W/HUB ENCLOSED	1.000 EA
XY0832A02	8-32 HEX NUT	4.000 EA
RM1000A03SP	CUSHION RING, MDL 17-33-34	1.000 EA
HA6004A01A	CLAMP CUSHION RING ASSY	1.000 EA
34GS1005	GASKET, TERM PLATE LID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
SP1042A01	TERM BOARD, MODEL 17 3 PHASE FOR .75" TH	1.000 EA
34BA4001A01A	RESILIENT BASE, 408-416 AUTOPHORETIC	1.000 EA
HA3169A23	THRUBOLT #8-32 THDS X 8.44 LONG	4.000 EA
LB1171	LABEL CARTON 6X6 ON LINE BLANK ROLLS	1.000 EA
MG5017	VARNISH - PDG 2500	0.050 GA
NP1203A27	NP LABEL, 3 PHASE, DV, W/THERMAL, 12 LDS	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
35PA1000	PACKING GROUP	1.000 EA
LD5313A01	LEAD ASSY, ML1410B18, 20", DBL STRIPPED	1.000 EA
LD5314A01	LEAD ASSY, ML1411B18, 20", DBL STRIPPED	1.000 EA
LD5315A01	LEAD ASSY, ML1412B18, 20", DBL STRIPPED	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA

AC Induction Motor Performance Data

Record # 5161 - Typical performance - not guaranteed values

Winding: 17WGW382-R001	Type: 1710M	Enclosure: TEAO
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Nameplate Data				460 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	.25 AIR OVER			Full Load Torque	0.75 LB-FT
Volts	230/460			Start Configuration	direct on line
Full Load Amps	1/5			Breakdown Torque	2.7 LB-FT
R.P.M.	1725			Pull-up Torque	1.9 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	2 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	2.7 A
Service Factor (S.F.)	1.25			No-load Current	0.38 A
NEMA Nom. Eff.	0	Power Factor	0	Line-line Res. @ 25°C	90.4 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	32°C
S.F. Amps	1.1/55			Temp. Rise @ S.F. Load	
				Rotor inertia	0.0237 LF ²

Load Characteristics 460 V, 60 Hz, 0.25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	36	48	61	67	74	79	0
Efficiency	42.2	58.6	65.9	69.5	71.9	73.2	0
Speed	1780	1768	1751	1736	1719	1698	0
Line amperes	0.39	0.41	0.45	0.49	0.54	0.61	0.54

Performance Graph at 460V, 60Hz, 0.25HP Typical performance - Not guaranteed values





