



Product Information Packet

EHM9122T

3HP,1755RPM,3PH,60HZ,182T,3630M,TEFC,F1

Part Detail							
Revision:	N	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	36WGT022	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	36J561	Layout:	36LYJ561	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	08-24-2010	Leads:	9#16		

Specs			
Catalog Number:	EHM9122T	Inverter Code:	Not Inverter
Enclosure:	TEFC	KVA Code:	K
Frame:	182T	Lifting Lugs:	No Lifting Lugs
Output @ Frequency:	3.000 HP @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 16 AWG
Voltage @ Frequency:	208.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
	230.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	460.0 V @ 60 HZ	Motor Type:	3630M
XP Division:	Not Applicable	Mounting Arrangement:	F1
Auxillary Box:	No Auxillary Box	Power Factor:	81
Auxillary Box Lead Termination:	None	Product Family:	General Purpose
Base Indicator:	Rigid	Pulley End Bearing Type:	Ball
Bearing Grease Type:	Polyrex EM (-20F +300F)	Pulley Face Code:	Standard
Blower:	None	Pulley Shaft Indicator:	Standard
Current @ Voltage:	3.900 A @ 460.0 V	Rodent Screen:	None
	7.800 A @ 230.0 V	Shaft Extension Location:	Pulley End
	8.600 A @ 208.0 V	Shaft Ground Indicator:	No Shaft Grounding
Design Code:	B	Shaft Rotation:	Reversible

Drip Cover:	No Drip Cover	Shaft Slinger Indicator:	No Slinger
Duty Rating:	CONT	Speed Code:	Single Speed
Electrically Isolated Bearing:	Not Electrically Isolated	Motor Standards:	NEMA
Feedback Device:	NO FEEDBACK	Starting Method:	Direct on line
Front Face Code:	Standard	Thermal Device - Bearing:	None
Front Shaft Indicator:	None	Thermal Device - Winding:	None
Heater Indicator:	No Heater	Vibration Sensor Indicator:	No Vibration Sensor
Insulation Class:	F	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP1891A01

CAT.NO.	EHM9122T										
SPEC.	36J561T022G1										
HP	3										
VOLTS	208-230/460										
AMPS	8.6-7.8/3.9										
RPM	1755										
FRAME	182T					HZ	60			PH	3
SER.F.	1.15				CODE	K	DES	B	CL	F	
NEMA-NOM-EFF	88.5				PF	81					
RATING	40C AMB-CONT										
CC	010A				USABLE AT 208V						8.6
DE	6206				ODE	6205					
AUTO	N				MANUAL	N		NONE	Y		
ENCL	TEFC				SN						
BLANK											

Parts List		
Part Number	Description	Quantity
SA063274	SA 36J561T022G1	1.000 EA
RA057486	RA 36J561T022G1	1.000 EA
36CB3004	36 CB CASTING W/1.09 DIA LEAD HOLE @ 6:0	1.000 EA
36GS1000SP	GASKET-CONDUIT BOX, .06 THICK #SV-330 LE	1.000 EA
51XB1016A08	10-16X 1/2HXWSSLD SERTYB	2.000 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
36EP3104A02	FREP MACH W/O GRSR, RAISED FH PADS	1.000 EA
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 EA
36EP3100A04	PU ENDPLATE, MACH	1.000 EA
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 EA
36FH4009A101	IEC FH NO GREASER, W/PRIMER	1.000 EA
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 EA
36CB4516	750LIPPED CB LID - GALVANNEAL	1.000 EA
37GS1001SP	GASKET, CONDUIT BOX LID, .06 THICK LEXID	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	4.000 EA
HW2501E16	KEY, 1/4 SQ X 1.750	1.000 EA
HA7000A02	KEY RETAINER RING, 1 1/8 DIA, 1 3/8 DIA	1.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 EA
MG1000G55	PAINT,WILKO 682.62 LACQUER LIGHT GRAY	0.022 GA
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 EA
36FN3000C01SP	EXFN, PLASTIC, 5.25 OD, .912 ID	1.000 EA
LB1125C01	STD (STOCK) CARTON LABEL BALDOR WITH FLA	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
NP1891A01	PREM EFF HVAC MTR, W/CD0005 CONNS	1.000 EA
36PA1000	PKG GRP, PRINT PK1016A06	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 EA
LB1417	LABEL CARTON 6X4 PERFORATED BLANK ROLLS	1.000 EA

Accessories		
Part Number	Description	Multiplier
36-3403	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data

Record # 10558

Typical performance - not guaranteed values

Winding: 36WGT022-R001			Type: 3630M		Enclosure: TEFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		3	Full Load Torque		9 LB-FT		
Volts		208-230/460	Start Configuration		direct on line		
Full Load Amps		8.6-7.8/3.9	Breakdown Torque		34 LB-FT		
R.P.M.		1755	Pull-up Torque		18.5 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		22 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		31.5 A
Service Factor (S.F.)		1.15	No-load Current		1.9 A		
NEMA Nom. Eff.		88.5	Power Factor	81	Line-line Res. @ 25°C		3.827 Ω
Rating - Duty		40C	AMB-CONT		Temp. Rise @ Rated Load		46°C
S.F. Amps					Temp. Rise @ S.F. Load		56°C
					Locked-rotor Power Factor		41
					Rotor inertia		0.281 LB-FT2

Load Characteristics 460 V, 60 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	41	63	74	80	83	85	82
Efficiency	81.1	87.5	88.6	88.5	87.5	86.1	87.9
Speed	1788	1777	1764	1752	1739	1723	1744
Line amperes	2.11	2.61	3.25	3.95	4.82	5.81	4.47

Performance Graph at 460V, 60Hz, 3.0HP Typical performance - Not guaranteed values

ABB Motors and Mechanical Inc.

WINDING # 36WGT022

Typical performance - not guaranteed values.

3 HP 3 PH 60 HZ 1755 RPM 460 V 3630M

TORQUES(LB-FT): P0=34 PU=18.5 LR=22 LRA=31.5





