



Product Information Packet

HM9242T

25HP,1760RPM,3PH,60HZ,284T,3942M,OPSB,F1

Part Detail							
Revision:	J	Status:	INA/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	39WGX114	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	39P090	Layout:	39LYP090	Poles:	04	Created Date:	
Base:	RG	Eff. Date:	08-24-2010	Leads:	9#10		

Specs			
Catalog Number:	HM9242T	Heater Indicator:	No Heater
Enclosure:	ODP	Insulation Class:	B
Frame:	284T	Inverter Code:	Not Inverter
Frame Material:	Steel	KVA Code:	G
Output @ Frequency:	25.000 HP @ 60 HZ	Lifting Lugs:	Standard Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Locked Bearing Indicator:	No Locked Bearing
Voltage @ Frequency:	230.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 10 AWG
	460.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
XP Division:	Not Applicable	Motor Lead Termination:	Flying Leads
Agency Approvals:	UR	Motor Type:	3942M
	CSA	Mounting Arrangement:	F1
Auxillary Box:	No Auxillary Box	Power Factor:	85
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:	30.000 A @ 460.0 V	Rodent Screen:	None
	60.000 A @ 230.0 V	Shaft Extension Location:	Pulley End

	65.000 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
		Vibration Sensor Indicator:	No Vibration Sensor

Nameplate NP2094C01B03

CAT.NO.												
SPEC.	39P090X114H1											
HP	25											
VOLTS	230/460											
AMPS	60/30											
RPM	1760											
FRAME	284T						HZ	60			PH	3
SER.F.	1.15				CODE	G		DES	B		CL	B
NEMA-NOM-EFF	91.7				PF	85						
RATING	40C AMB-CONT											
CC										USABLE AT 208V	65	
DE	6311						ODE	6208				
AUTO					MANUAL					NONE		
ENCL	OPSB					SN						

Parts List		
Part Number	Description	Quantity
SA075807	SA 39P090X114H1	1.000 EA
RA069441	RA 39P090X114H1	1.000 EA
S/P101-000-003	EPACT PROC-ZK 280FR & UP,LARGE KOBX,POLY	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
39CB4000A01	CONDUIT BOX 39, STAMPED	1.000 EA
51XF2520A08	SCREW,1/4-20X1/2 TAPTITE-II OR ROLOC 91	2.000 EA
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 EA
WD1000B16	T&B CX70TN OR L70P TERMINAL LUG	1.000 EA
39EP3200A01SP	FR/PU ENDPLATE, MACH	1.000 EA
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 EA
39EP3202A01	ENDPLATE MACH	1.000 EA
XY3816A12	3/8-16 FINISHED NUT	8.000 EA
39CB4500A01	CONDUIT BOX LID 39, STAMPED, W/ PRIMER	1.000 EA
51XF1032A08	10/32X1/2 HXWSHR HD, SL, TYPE F ,SERATED	2.000 EA
HW2501H28	KEY, 1/2 SQ X 3.250	1.000 EA
39AD2002A01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.030 LB
39AD2002A01	BAFFLE PLATE 39 OPEN, SLOTTED BAND MTRS	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	2.000 EA
HA3154A03	STUD, 3/8-16 X 17.75	4.000 EA
MG1000G55	PAINT,WILKO 682.62 LACQUER LIGHT GRAY	0.050 GA
LB1125C04	STD-E (STOCK CTN LABEL STD-E WITH FLAG)	4.000 EA
NP2094C01B03	MYLAR HVAC UL CSA CC CD0005 INV READY	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 3/19	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA
LB1417	LABEL CARTON 6X4 PERFORATED BLANK ROLLS	1.000 EA

Accessories		
Part Number	Description	Multiplier
39-1403	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 13056

Typical performance - not guaranteed values

Winding: 39WGX114-R001			Type: 3942M		Enclosure: OPSB		
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		25		Full Load Torque		75 LB-FT	
Volts		230/460		Start Configuration		direct on line	
Full Load Amps		60/30		Breakdown Torque		222 LB-FT	
R.P.M.		1760		Pull-up Torque		109 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		131 LB-FT	
NEMA Design Code		B		KVA Code	G	Starting Current	181 A
Service Factor (S.F.)		1.15		No-load Current		11.6 A	
NEMA Nom. Eff.		91.7	Power Factor	85	Line-line Res. @ 25°C		0.432 Ω
Rating - Duty		40C		AMB-CONT		Temp. Rise @ Rated Load	45°C
S.F. Amps						Temp. Rise @ S.F. Load	55°C
						Locked-rotor Power Factor	35
						Rotor inertia	1.83 LB-FT2

Load Characteristics 460 V, 60 Hz, 25 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	50	72	81	85	86	86	86
Efficiency	87.5	91.5	92.2	91.8	90.9	89.6	91.3
Speed	1791	1782	1772	1762	1750	1737	1755
Line amperes	13.6	18	23.7	30.3	37.6	45.4	34.68

Performance Graph at 460V, 60Hz, 25.0HP Typical performance - Not guaranteed values

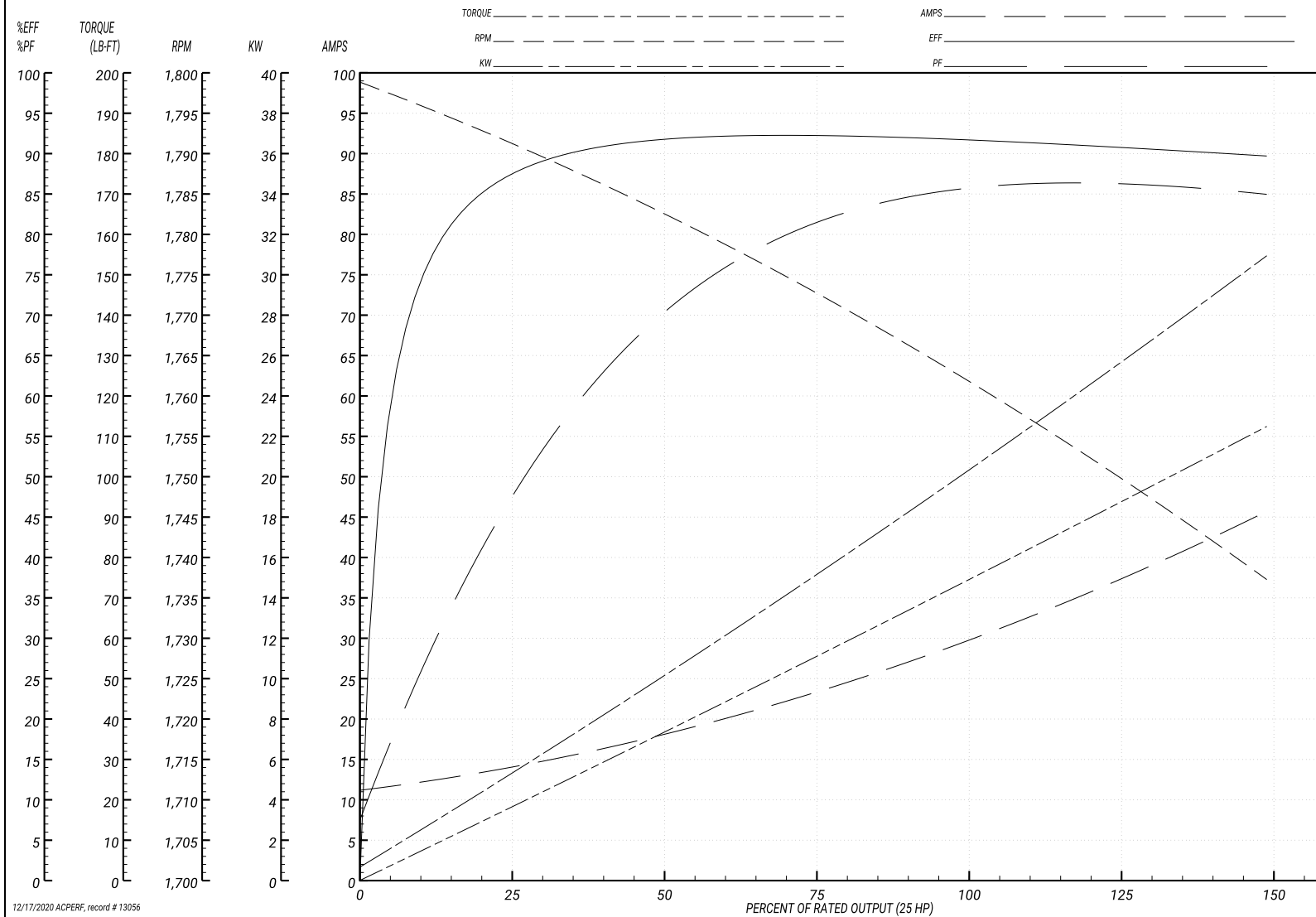
ABB Motors and Mechanical Inc.

WINDING # 39WGX114

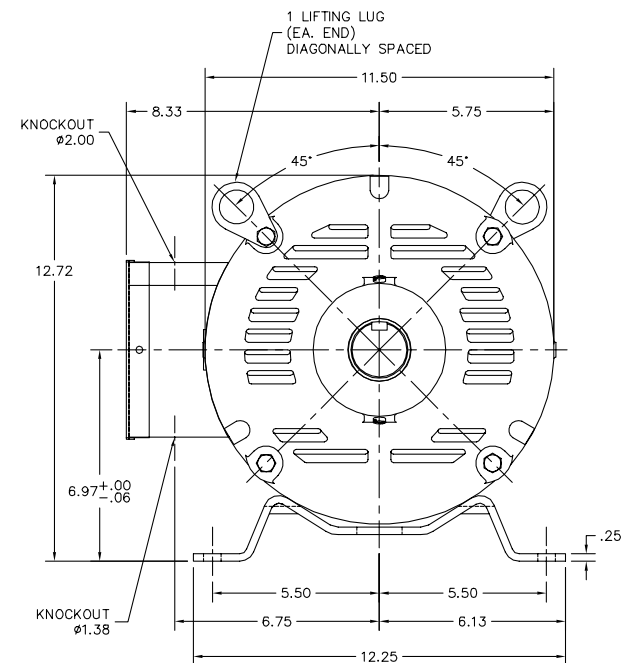
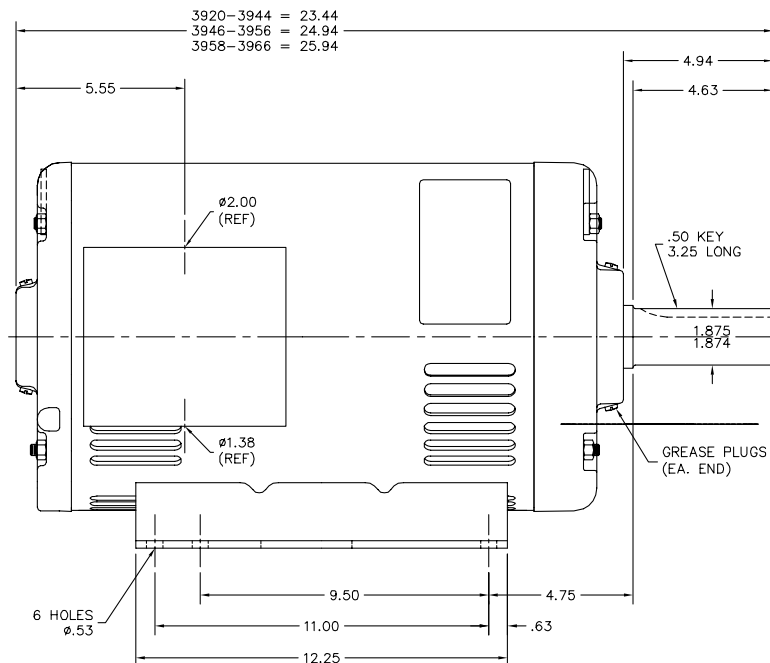
Typical performance - not guaranteed values.

25 HP 3 PH 60 HZ 1760 RPM 460 V 3942M

TORQUES(LB-FT): PO=222 PU=109 LR=131 LRA=181



39L YP090



CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: OPEN IN ACAD SO THE REV WILL MATCH BUS	VERSION: 02	TDR: 000000425504
REV. LTR: B	REVISED: 08:05:35 03/19/2007	BY: ENBREWO
FILE: \AAA\00079\740		
MTL: -		

BALDOR ELECTRIC Co.

HORZ OPSB 284-6T - HVAC MOTOR

39L YP090

