



Customer information packet

36A01W382

3HP, 1425RPM, 3PH, 50HZ, 182T, 3628M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	182T
Frame Material	Steel
Frequency	50.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	3.000 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	220.0 V @ 50 HZ 380.0 V @ 50 HZ 440.0 V @ 50 HZ
Agency Approvals	CSA CE UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	3.900 A @ 440.0 V 4.400 A @ 380.0 V 7.800 A @ 220.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	84.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard

Part detail

Revision	AL
Type	AC
Mech. spec.	36A001
Base	
Status	PRD/A
Elec. spec.	36GW382
Layout	36LYA001
Eff. date	10-02-2024
CD Diagram	CD0044
Poles	04
Leads	12#16
Proprietary	False
Created date	01-01-0001

Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	3.9 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	J
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	12 @ 16 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	3628M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	16.54 IN
Power Factor	85
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	1.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1425 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None

Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP1256L											
CAT.NO.											
SPEC.	36A01W382										
HP	3										
VOLTS	220/380/440										
AMP	7.8/4.4/3.9										
RPM	1425										
FRAME	182T		HZ		50		PH		3		
SER.F.	1.15	CODE		J	DES	B	CLASS		F		
NEMA-NOM-EFF	84		PF		85						
RATING	40C AMB-CONT										
CC											
DE	6206		ODE		6205						
ENCL	TEFC	SN									
	IP44										

Parts list

Part number	Description	Quantity
SA033880	SA 36A01W382	1.000 ea
RA029908	RA 36A01W382	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
36EP3104A01	FREP MACH ASSEMBLY FOR ROUTING	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
HW5100A05	WVY WSHR F/205 & 304 BRGS	1.000 ea
36EP3100A01SP	PUEP ASSEMBLY FOR ROUTING PURPOSES	1.000 ea
HW4500A01	1641B(ALEMITE)400 UNIV, GREASE FITT	1.000 ea
XY2520A12	1/4-20 HEX NUT, DIRECTIONAL SERRATIONS	4.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
36FH4009A102	IEC FH GREASER PRIMED	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
37GS1001	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
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
36FN3000A01SP	EXFN, PLASTIC, 7.00 OD, .912 ID	1.000 ea
MG1050G01	CELEROL MEDIUM CHARCOAL METALLIC GRAY	0.022 ga
HA3101A25	THRUBOLT 1/4-20 X 11.000 OHIO ROD	4.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2400 bx)4/22	1.000 ea
NP1256L	ALUM UL CC INDUSTRIAL MOTOR A60	1.000 ea
36PA1001	PKG GRP, PRINT PK1017A06	1.000 ea
LC0044	CONNECTION DIAGRAM	1.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea

Accessories

Part number	Description	Multiplier
36-3301	C FACE KIT	A8
36EP1304A62SP	FLANGE MTD ENDPLATE 182-4TD -ENCL (LESS	A8

AC Induction Motor Performance Data

Record # 36958

Typical performance - not guaranteed values

Winding: 36WGW382-R003			Type: 3628M		Enclosure: TEFC	
Nameplate Data				440 V, 50 Hz: High Voltage Connection		
Rated Output (HP)		3		Full Load Torque		11 LB-FT
Volts		220/380/440		Start Configuration		direct on line
Full Load Amps		7.8/4.4/3.9		Breakdown Torque		39 LB-FT
R.P.M.		1425		Pull-up Torque		27 LB-FT
Hz	50	Phase	3	Locked-rotor Torque		29 LB-FT
NEMA Design Code		B	KVA Code	J	Starting Current	
Service Factor (S.F.)		1.15		No-load Current		1.8 A
NEMA Nom. Eff.		84	Power Factor	85	Line-line Res. @ 25°C	
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		74°C
S.F. Amps				Temp. Rise @ S.F. Load		91°C
				Locked-rotor Power Factor		55
				Rotor inertia		0.263 LB-FT2

Load Characteristics 440 V, 50 Hz, 3 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	50	69	82	85	88	87	87
Efficiency	76.1	83.2	84.5	83.7	82.4	79.6	82.9
Speed	1483	1466	1448	1428	1406	1379	1415
Line amperes	2	2.6	3.2	4.1	5	6.1	4.64

ABB Motors and Mechanical Inc.

WINDING # 36WG382

Typical performance - not guaranteed values.

3 HP 3 PH 50 HZ 1425 RPM 440 V 3628M

TORQUES (LB-FT) : PO=39 PU=27 LR=29 LRA=26.5





