



Customer information packet

P14X3968

1.5HP, 1755RPM, 3PH, 60HZ, 145T, 3521M, XPFC, F

Part detail

Revision	G
Type	AC
Mech. spec.	35W448
Base	
Status	NLA/A
Elec. spec.	35WGZ541
Layout	35LYW448
Eff. date	12-02-2020
CD Diagram	CD0005
Poles	04
Leads	9#18
Proprietary	True
Created date	06-29-2007

Nameplate

NP1263E									
CAT.NO.	P14X3968								
SPEC.	35W448Z541H2								
HP	1.5								
VOLTS	208-230/460								
AMP	5.1-4.8/2.4								
RPM	1755								
FRAME	145T		HZ	60		PH		3	
SER.F.	1.00		CODE	M	DES	B	CL	F	
NEMA-NOM-EFF	84		PF	70					
RATING	40C AMB-CONT								
CC	010A					USABLE AT 208V		N/A	
DE	6205		ODE	6203					
ENCL	XPFC		SN						

NP1763XP			
XPNPCL1	I	XPNPGR1	D
XPNPCL2	II	XPNPGR2	F&G
XPNPCL3	I	XPNPZN3	I
XPNPGR3	IIA		
BLANK	75C RISE		
XPNPTEMP	T3C		
NO.			
SPEC.	35W448Z541H2		

Parts list

Part number	Description	Quantity
SA159762	SA 35W448Z541H2	1.000 ea
RA148364	RA 35W448Z541H2	1.000 ea
34FN3002B01	EXTERNAL FAN, PLASTIC, .637/.639 HUB W/	1.000 ea
35CB3001A02SP	EXPL PROOF CONDUIT BOX, 3/4"PIPE TAP LEA	1.000 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
35EP3700A01SP	FR ENDPLATE, XPFC	1.000 ea
HW5100A03	WAVY WASHER (W1543-017)	1.000 ea
35EP3701A01	PU ENDPLATE, XPFC - 205 BRG	1.000 ea
XY3118A12	5/16-18 HEX NUT DIRECTIONAL SERRATION	4.000 ea
51XB1214A16	12-14X1.00 HXWSSLD SERTYB	1.000 ea
35FH4005A01SP	IEC FH NO GREASER W/PRIMED	1.000 ea
51XW1032A06	10-32 X .38, TAPTITE II, HEX WSHR SLTD S	3.000 ea
35CB3500A01SP	CONDUIT BOX LID, MACH	1.000 ea
51XN2520A16	SCREW, HEX WS SLT, ZN, 1/4-20 X 1.00	4.000 ea
HW2501D13	KEY, 3/16 SQ X 1.375	1.000 ea
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 ea
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	8.000 ea
NP0018F	ALUM UL XP CONDUIT BOX NAMEPLATE	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.050 lb
MG1025N19	WILKOFAS, 778.50, RELIANCE BLUE-GREEN 8	0.017 ga
HA3104A08	THRUBOLT 5/16-18 X 9.375 X	4.000 ea
LB1624	WARNING LABEL	1.000 ea
LB1172A01	CUSTOM MTR CARTON LABEL LASER PRINTER	1.000 ea
LC0145B01	CONNECTION LABEL	1.000 ea
NP1263E	ALUM NO LOGO'S CC AUXILLARY DATA	1.000 ea
NP1763XP	UL/CSA NO CLASS OR GROUP LISTED	1.000 ea
36PA1000	PKG GRP, PRINT PK1016A06	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500bx)4/22	1.000 ea
HA1025A03	FELT WSH 2.1875 OD X 1.170 ID X .25 #321	1.000 ea

AC Induction Motor Performance Data

Record # 33318

Typical performance - not guaranteed values

Winding: 35WGZ541-R013			Type: 3522M		Enclosure: XPFC		
Nameplate Data				460 V, 60 Hz: High Voltage Connection			
Rated Output (HP)		1.5		Full Load Torque		4.42 LB-FT	
Volts		208-230/460		Start Configuration		direct on line	
Full Load Amps		5.1-4.8/2.4		Breakdown Torque		19.8 LB-FT	
R.P.M.		1755		Pull-up Torque		10.65 LB-FT	
Hz	60	Phase	3	Locked-rotor Torque		14 LB-FT	
NEMA Design Code		B	KVA Code	M	Starting Current		19.38 A
Service Factor (S.F.)		1		No-load Current		1.59 A	
NEMA Nom. Eff.		84	Power Factor	70	Line-line Res. @ 25°C		9.72 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		55°C	
				Locked-rotor Power Factor		53.6	
				Rotor inertia		0.13 LB-FT2	

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	30	48	62	70	77	80
Efficiency	68.5	79.3	83.4	84.3	84.2	83.1
Speed	1792	1783	1773	1762	1751	1737
Line amperes	1.64	1.8	2.04	2.35	2.7	3.11

ABB Motors and Mechanical Inc.

WINDING # 35WGZ541

Typical performance - not guaranteed values.

1.5 HP 3 PH 60 HZ 1755 RPM 460 V 3522M

TORQUES (LB-FT): PO=19.8 PU=10.65 LR=14 LRA=19.38

