

XM32442T

40HP, 1775//1480RPM, 3PH, 60//50HZ, 324T, XPF



Product Information Packet PDF

Ship Weight	713.000 LB
UPC	781568957622

Specs

Catalog Number	XM32442T	Inverter Code	Inverter Duty
Enclosure	XPFC	IP Rating	NONE
Frame	324T	KVA Code	H
Frame Material	Iron	Lifting Lugs	Standard Lifting Lugs
Frequency	50.00 Hz 60.00 Hz	Locked Bearing Indicator	Locked Bearing
Motor Letter Type	Three Phase	Max Speed	2700 rpm
Output @ Frequency	40.000 HP @ 60 HZ 30.000 HP @ 50 HZ	Motor Lead Termination	Flying Leads
Phase	3	Motor Type	1254M
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ	Mounting Arrangement	F1
Voltage @ Frequency	380.0 V @ 50 HZ 230.0 V @ 60 HZ 460.0 V @ 60 HZ 190.0 V @ 50 HZ	Number of Poles	4
Haz Area Class and Group	CLI GP D; CLII GP F,G	Overall Length	32.00 IN
Haz Area Division	Division I	Power Factor	82
Agency Approvals	UL CSA EEV	Product Family	Hazardous Location Motor
Ambient Temperature	40 °C	Pulley Face Code	Standard
Auxillary Box	No Auxillary Box	Rodent Screen	None
		RoHS Status	ROHS NON-COMPLIANT
		Service Factor	1.00
		Shaft Diameter	2.125 IN
		Shaft Ground Indicator	No Shaft Grounding
		Shaft Rotation	Reversible
		Speed	1775 rpm
		Speed Code	Single Speed
		Motor Standards	NEMA

Auxillary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Constant Torque Speed Range	6
Current @ Voltage	96.000 A @ 230.0 V 90.000 A @ 190.0 V 48.000 A @ 460.0 V 45.000 A @ 380.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
High Voltage Full Load Amps	45.0 a
Heater Indicator	No Heater
Insulation Class	B

Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None
Haz Area Temp Code	T3C

Drawings

Dimension Sheet

Connection Diagram

Literature

CAD File

2D CAD 3D CAD

>> Select 2D Format

Nameplate

NO.											CC	010A		
S/N											TEMP CODE	T3C		
SPEC.	12-0000-1730										INV.TYPE	PWM		
CAT.NO.	XM32442T										C HP FR	60	C HP TO	90
HP	40//30										CT HZ FROM	6	CT HZ TO	60
VOLTS	230/460//190/380										VT HZ FROM	6	VT HZ TO	60
AMPS	96/48//90/45					MAG CUR	40/20							
RPM	1775//1480					MX RPM	2700							
HZ	60//50	PH	3	CL	F	NOM.EFF.	94.1							
SER.F.	1.00	DES	A	SL HZ	0.83	WK2	7.19							
FRAME	324T	RATING	40C AMB-CONT											
1.15SF ON SINEWAVE														
NEMA MG-1,PT.5,IP54														

NP0887XPSLEV

Performance

Performance at 460 V, 60 Hz, 40 hp

Typical performance; not guaranteed values.

General Characteristics

Full Load Torque	0 LB-FT	Start Configuration	DOL
No-Load Current	0 A	Break-Down Torque	386 LB-FT
Line-Line Res. @ 25° C	0.14898 Ohms A Ph / 0 Ohms B Ph	Pull-Up Torque	193 LB-FT
Temp. Rise @ Rated Load	54° C	Locked-Rotor Torque	216 LB-FT
Temp. Rise @ S.F. Load		Starting Current	338 A

Load Characteristics

Rated Load	0%	25%	50%	75%	100%	125%	150%	S.F.
Power Factor	5.0	47.0	69.0	78.0	83.0	85.0	85.0	0.0
Efficiency	0.0	90.1	93.5	94.2	94.2	93.8	93.1	0.0
Speed (RPM)	1,799	1,794	1,788	1,782	1,777	1,771	1,764	0
Line Amps	19.90	22.90	29.50	38.40	48.10	59.20	70.80	0.00

Performance Curves

Performance at 380 V, 50 Hz, 30 hp

Typical performance; not guaranteed values.

General Characteristics

Full Load Torque	0 LB-FT	Start Configuration	DOL
No-Load Current	0 A	Break-Down Torque	373 LB-FT
Line-Line Res. @ 25° C	0.145 Ohms A Ph / 0 Ohms B Ph	Pull-Up Torque	203 LB-FT
Temp. Rise @ Rated Load	47° C	Locked-Rotor Torque	227 LB-FT
Temp. Rise @ S.F. Load	57° C	Starting Current	331 A

Load Characteristics

Rated Load	0%	25%	50%	75%	100%	125%	150%	S.F.
Power Factor	4.0	44.0	66.0	77.0	82.0	84.0	85.0	0.0
Efficiency	0.0	88.7	92.8	93.7	93.1	92.8	92.5	0.0
Speed (RPM)	1,499	1,494	1,489	1,484	1,479	1,474	1,468	0
Line Amps	19.39	21.96	27.73	35.61	44.25	54.18	64.60	0.00

Performance Curves

Parts

Part Number	Description	Quantity
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (2100bx)4/22	1.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	3.000 EA
09FN3001B03SP	EXTERNAL FAN, PLASTIC (COMES W/SCREW FRO	1.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA