

# XM281562T

15//10HP, 1175//985RPM, 3PH, 60//50HZ, 284T



Product Information Packet PDF

<b>Ship Weight</b>	478.000 LB
<b>UPC</b>	781568971161

## Specs

<b>Catalog Number</b>	XM281562T	<b>Inverter Code</b>	Inverter Duty
<b>Enclosure</b>	XPFC	<b>IP Rating</b>	NONE
<b>Frame</b>	284T	<b>KVA Code</b>	H
<b>Frame Material</b>	Iron	<b>Lifting Lugs</b>	Standard Lifting Lugs
<b>Frequency</b>	50.00 Hz 60.00 Hz	<b>Locked Bearing Indicator</b>	Locked Bearing
<b>Motor Letter Type</b>	Three Phase	<b>Max Speed</b>	1800 rpm
<b>Output @ Frequency</b>	10.000 HP @ 50 HZ 15.000 HP @ 60 HZ	<b>Motor Lead Termination</b>	Flying Leads
<b>Phase</b>	3	<b>Motor Type</b>	1046M
<b>Synchronous Speed @ Frequency</b>	1200 RPM @ 60 HZ	<b>Mounting Arrangement</b>	F1
<b>Voltage @ Frequency</b>	380.0 V @ 50 HZ 230.0 V @ 60 HZ 190.0 V @ 50 HZ 460.0 V @ 60 HZ	<b>Number of Poles</b>	6
<b>Haz Area Class and Group</b>	CLI GP D; CLII GP F,G	<b>Overall Length</b>	28.61 IN
<b>Haz Area Division</b>	Division I	<b>Power Factor</b>	73
<b>Agency Approvals</b>	CSA EEV UL	<b>Product Family</b>	Hazardous Location Motor
<b>Ambient Temperature</b>	40 °C	<b>Pulley Face Code</b>	Standard
<b>Auxillary Box</b>	No Auxillary Box	<b>Rodent Screen</b>	None
<b>Auxillary Box Lead Termination</b>	None	<b>Service Factor</b>	1.00
<b>Base Indicator</b>	Rigid	<b>Shaft Diameter</b>	1.875 IN
<b>Bearing Grease Type</b>	Polyrex EM (-20F +300F)	<b>Shaft Ground Indicator</b>	No Shaft Grounding
		<b>Shaft Rotation</b>	Reversible
		<b>Speed</b>	1175 rpm
		<b>Speed Code</b>	Single Speed
		<b>Motor Standards</b>	NEMA
		<b>Starting Method</b>	Direct on line

<b>Blower</b>	None
<b>Constant Torque Speed Range</b>	6
<b>Current @ Voltage</b>	42.000 A @ 230.0 V 42.000 A @ 208.0 V 36.000 A @ 190.0 V 21.000 A @ 460.0 V 18.000 A @ 380.0 V
<b>Design Code</b>	A
<b>Drip Cover</b>	No Drip Cover
<b>Duty Rating</b>	CONT
<b>Efficiency @ 100% Load</b>	91.7 %
<b>Electrically Isolated Bearing</b>	Not Electrically Isolated
<b>Feedback Device</b>	NO FEEDBACK
<b>High Voltage Full Load Amps</b>	18.0 a
<b>Heater Indicator</b>	No Heater
<b>Insulation Class</b>	F

<b>Thermal Device - Bearing</b>	None
<b>Thermal Device - Winding</b>	Normally Closed Thermostat
<b>Vibration Sensor Indicator</b>	No Vibration Sensor
<b>Winding Thermal 1</b>	None
<b>Winding Thermal 2</b>	None
<b>Haz Area Temp Code</b>	T3C

# Drawings

**Dimension Sheet**

**Connection Diagram**

**Literature**

## CAD File

2D CAD  3D CAD

>> Select 2D Format

## Nameplate

<b>NO.</b>											<b>CC</b>	010A		
<b>S/N</b>											<b>TEMP CODE</b>	T3C		
<b>SPEC.</b>	10-0000-2030										<b>INV.TYPE</b>	PWM		
<b>CAT.NO.</b>	XM281562T										<b>C HP FR</b>	60	<b>C HP TO</b>	90
<b>HP</b>	15//10										<b>CT HZ FROM</b>	6	<b>CT HZ TO</b>	60
<b>VOLTS</b>	230/460//190/380										<b>VT HZ FROM</b>	6	<b>VT HZ TO</b>	60
<b>AMPS</b>	42/21//36/18					<b>MAG CUR</b>	22/11							
<b>RPM</b>	1175//985					<b>MX RPM</b>	1800							
<b>HZ</b>	60//50	<b>PH</b>	3	<b>CL</b>	F	<b>NOM.EFF.</b>	91.7							
<b>SER.F.</b>	1.00	<b>DES</b>	A	<b>SL HZ</b>	1.3	<b>WK2</b>	4.9							
<b>FRAME</b>	284T	<b>RATING</b>	40C AMB-CONT											
NEMA MG-1 PART 5, IP54														
1.15 SF ON SINE WAVE														

NP0887XPSLEV

## Performance

### Performance at 460 V, 60 Hz, 15 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	213 LB-FT
Line-Line Res. @ 25° C	0.502 Ohms A Ph / 0 Ohms B Ph	Pull-Up Torque	93.1 LB-FT
Temp. Rise @ Rated Load	43° C	Locked-Rotor Torque	114 LB-FT
Temp. Rise @ S.F. Load		Starting Current	144 A

#### Load Characteristics

Rated Load	0%	25%	50%	75%	100%	125%	150%	S.F.
Power Factor	5.0	32.0	52.0	65.0	72.0	76.0	78.0	0.0
Efficiency	0.0	83.0	89.4	91.3	91.7	91.4	90.8	0.0
Speed (RPM)	1,199	1,196	1,193	1,189	1,185	1,181	1,177	0
Line Amps	12.40	13.20	15.10	17.90	21.30	25.30	29.60	0.00

#### Performance Curves

### Performance at 380 V, 50 Hz, 10 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	205 LB-FT
Line-Line Res. @ 25° C	0.502 Ohms A Ph / 0 Ohms B Ph	Pull-Up Torque	95.7 LB-FT
Temp. Rise @ Rated Load	34° C	Locked-Rotor Torque	117 LB-FT
Temp. Rise @ S.F. Load		Starting Current	139 A

#### Load Characteristics

Rated Load	0%	25%	50%	75%	100%	125%	150%	S.F.
Power Factor	5.0	28.0	46.0	59.0	67.0	72.0	76.0	0.0
Efficiency	0.0	80.7	88.1	90.4	91.1	91.0	90.5	0.0
Speed (RPM)	999	997	994	991	988	985	981	0
Line Amps	12.06	12.64	14.01	16.05	18.57	21.57	24.81	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
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA