## DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Catalog #: 01509ET3Y200L-W2	Customer								
ut	Product line	: W22 T	Tru-Metric	IE3 Three-Phase				13034280 01509ET3Y200L-W22	
ut	Frame		: 200L		Locked	I rotor time	: 61s (cold	) 34s (hot)	
Second   S	Output			(15 kW)				., 0 .0 ()	
Lency	Poles			(10 KVV)					
d voltage   :380 V   Altitude   :1000 m.a.s.l. d current   :33.0 A   Protection degree   :1P55   :1P55   Amperes   :182 A   Cooling method   :1C411 - TEFC   :4.9   Mounting   :1B3L(E)   :100 m.a.s.l. d speed   :2.67 %   Rotation¹   :1Both (CW and CC)   d speed   :2.67 %   Starting method   :1Direct On Line   d torque   :144 ft.lb   Approx. weight³   :549 lb   :549 lb   ed rotor torque   :170 %   kdown torque   :190 %   ation class   :F   ice factor   :1.25   ice factor   :1.25   ice for inertia (J)   :10.8 sq.ft.lb   gn   :N			-					. 40°C	
d current Amperes Amperes : 162 A Amperes : 162 A Cooling method : LC411 - TEFC Cooling method : LC411 - TEFC Bad current : 4.9 Mounting : B3L(E) Rotation¹ : Both (CW and CC) Noise level² : 56.0 dB(A)	Frequency								
Amperes : 162 A	Rated voltage								
3.4.9   Mounting   B3L(E)	Rated current								
Seed	L. R. Amperes		: 162 A		Cooling	g method			
Seed   1.730 rpm   1.267 %   1.267 %   1.25   1.2	LRC		: 4.9		Mounti	ng	: B3L(E)	: B3L(E)	
Seed   1.730 rpm   1.267 %   1.267 %   1.25   1.2	No load current		: 14.7 A		Rotatio	n <sup>1</sup>	: Both (CV	V and CCW)	
144 ft.lb	Rated speed		: 730 rpr	n	Noise I	evel <sup>2</sup>			
d torque	Slip		•						
ed rotor torque				,				LITIC	
Second				J	Applox	weigiit	. 549 10		
ation class is increated in the second of inertia (J) is 10.8 sq.ft.lib is 10.8 sq.ft.lib is increased in the second of inertia (J) is 10.8 sq.ft.lib is increased in the second of inertia (J) is 10.8 sq.ft.lib is increased in the second of inertia (J) is 10.8 sq.ft.lib is increased in the second of inertia (J) is 10.8 sq.ft.lib is increased in the second of inertia (J) is 10.8 sq.ft.lib									
See Factor   1.25   1		;							
ent of inertia (J) : 10.8 sq.ft.lb gn : N   Int	Insulation class								
th 50% 75% 100% Foundation loads  th 50% 75% 100% Foundation loads  th 50% 90.5 89.4 91.0 90.8 91.0 91.5 Max. traction : 817 lb  89.5 91.0 91.0  T Factor 0.660 0.53 0.71 0.65 0.76 0.72 Max. compression : 1366 lb  0.55 0.67 0.74   The set at normative operating points (speed;torque), in percentage of rated output power  The provided HTML of the	Service factor		: 1.25						
tit 50% 75% 100% Foundation loads ency (%) 90.5 89.4 91.0 90.8 91.0 91.5 Max. traction : 817 lb 89.5 91.0 91.0 r Factor 0.60 0.53 0.71 0.65 0.76 0.72 Max. compression : 1366 lb 0.55 0.67 0.74  es at normative operating points (speed;torque), in percentage of rated output power  P1 (0,9;1,0) 9.5 9.0 9.5 P2 (0,5;1,0) 7.8 7.3 7.8 P3 (0,25;1,0) 7.3 6.8 7.3 P4 (0,9;0,5) 5.3 5.0 5.3 P5 (0,5;0,5) 3.7 3.5 3.7 P6 (0,5;0,25) 2.8 2.7 2.8 P7 (0,25;0,25) 2.8 2.7 2.8 P7 (0,25;0,25) 2.0 1.9 2.0  Drive end Non drive end sing type in G312 C3 6212 C3 ng : V'Ring V'Ring cation interval : 20000 h cant amount : 21 g Mobil Polyrex EM	Moment of inertia	(J)	: 10.8 sq	.ft.lb					
Pancy (%) 90.5 89.4 91.0 90.8 91.0 91.5 89.5 91.0 91.0 91.0 Max. traction : 817 lb 89.5 91.0 91.0 Max. compression : 1366 lb 0.55 0.67 0.74 Max. compression : 1366 lb 0.55 0.55 0.67 0.74 Max. compression : 1366 lb 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.5	Design		: N						
Pancy (%) 90.5 89.4 91.0 90.8 91.0 91.5 89.5 91.0 91.0 91.0 Max. traction : 817 lb 89.5 91.0 91.0 Max. compression : 1366 lb 0.55 0.67 0.74 Max. compression : 1366 lb 0.55 0.55 0.67 0.74 Max. compression : 1366 lb 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.5		<b>500</b> /	750/	4000/					
Section   Sect	Output				-		0.47 !!		
Factor	) ( )				Max. trac	ction	: 817 lb		
0.55         0.67         0.74           es at normative operating points (speed;torque), in percentage of rated output power           P1 (0,9;1,0)         9.5         9.0         9.5           P2 (0,5;1,0)         7.8         7.3         7.8           P3 (0,25;1,0)         7.3         6.8         7.3           P4 (0,9;0,5)         5.3         5.0         5.3           P5 (0,5;0,5)         3.7         3.5         3.7           P6 (0,5;0,25)         2.8         2.7         2.8           P7 (0,25;0,25)         2.0         1.9         2.0           Drive end         Non drive end           ing type         6312 C3         6212 C3           ing         V'Ring         V'Ring           cation interval         20000 h         20000 h           cant amount         21 g         13 g           Mobil Polyrex EM									
P1 (0,9;1,0) 9.5 9.0 9.5 P2 (0,5;1,0) 7.8 7.3 7.8 P3 (0,25;1,0) 7.3 6.8 7.3 P5 (0,5;0,5) 3.7 3.5 3.7 P6 (0,5;0,25) 2.8 2.7 2.8 P7 (0,25;0,25) 2.0 1.9 P7 (0,25;0,25) P7 (0,	Power Factor	0.60 0.53	0.71 0.6	65 0.76 0.72	Max. con	npression	: 1366 lb		
P1 (0,9;1,0) 9.5 9.0 9.5 P2 (0,5;1,0) 7.8 7.3 7.8 P3 (0,25;1,0) 7.3 6.8 7.3 P4 (0,9;0,5) 5.3 5.0 5.3 P5 (0,5;0,5) 3.7 3.5 3.7 P6 (0,5;0,25) 2.8 2.7 2.8 P7 (0,25;0,25) 2.0 1.9 2.0    Drive end   Son drive en		0.55	0.67	0.74					
P1 (0,9;1,0) 9.5 9.0 9.5 P2 (0,5;1,0) 7.8 7.3 7.8 P3 (0,25;1,0) 7.3 6.8 7.3 P4 (0,9;0,5) 5.3 5.0 5.3 P5 (0,5;0,5) 3.7 3.5 3.7 P6 (0,5;0,25) 2.8 2.7 2.8 P7 (0,25;0,25) 2.0 1.9 2.0    Drive end   Son drive en	occoo at normativ	o operating	nointo (an	ood:torquo) in noro	ontage of re	atod output nowor	1		
P2 (0,5;1,0) 7.8 7.3 7.8  P3 (0,25;1,0) 7.3 6.8 7.3  P4 (0,9;0,5) 5.3 5.0 5.3  P5 (0,5;0,5) 3.7 3.5 3.7  P6 (0,5;0,25) 2.8 2.7 2.8  P7 (0,25;0,25) 2.0 1.9 2.0  Drive end 6312 C3 6212 C3  ng : V'Ring V'Ring cation interval : 20000 h  cant amount : 21 g Mobil Polyrex EM	-055e5 at Hormativ								
P3 (0,25;1,0) 7.3 6.8 7.3  P4 (0,9;0,5) 5.3 5.0 5.3  P5 (0,5;0,5) 3.7 3.5 3.7  P6 (0,5;0,25) 2.8 2.7 2.8  P7 (0,25;0,25) 2.0 1.9 2.0     Drive end   Son drive end   Garage of the state of	Losses (%)								
P4 (0,9;0,5) 5.3 5.0 5.3  P5 (0,5;0,5) 3.7 3.5 3.7  P6 (0,5;0,25) 2.8 2.7 2.8  P7 (0,25;0,25) 2.0 1.9 2.0    Drive end   Son drive end   Garage of the state of t									
P5 (0,5;0,5)       3.7       3.5       3.7         P6 (0,5;0,25)       2.8       2.7       2.8         P7 (0,25;0,25)       2.0       1.9       2.0         Drive end 6312 C3       Non drive end 6212 C3         Ng cation interval cation interval cant amount cant amount cant amount cant amount cant type       20000 h       20000 h         Mobil Polyrex EM		P3 (0,2	25;1,0)	7.3	6	5.8	7.3		
P5 (0,5;0,5)       3.7       3.5       3.7         P6 (0,5;0,25)       2.8       2.7       2.8         P7 (0,25;0,25)       2.0       1.9       2.0         Drive end 6312 C3       Non drive end 6212 C3         Ng cation interval cation interval cant amount cant amount cant amount cant amount cant type       20000 h       20000 h         Mobil Polyrex EM		P4 (0.9	9:0.5)	5.3	į	5.0	5.3		
P6 (0,5;0,25)         2.8         2.7         2.8           P7 (0,25;0,25)         2.0         1.9         2.0           Drive end ing type         6312 C3         6212 C3         6212 C3           ng         :         V'Ring         V'Ring         V'Ring           cation interval cant amount cant amount cant amount cant type         :         21 g         13 g           Mobil Polyrex EM         Mobil Polyrex EM									
P7 (0,25;0,25)   2.0   1.9   2.0									
Drive end         Non drive end           ing type         6312 C3         6212 C3           ng         V'Ring         V'Ring           cation interval         20000 h         20000 h           cant amount         21 g         13 g           cant type         Mobil Polyrex EM									
ing type : 6312 C3 6212 C3  ng : V'Ring V'Ring  cation interval : 20000 h  cant amount : 21 g 13 g  cant type : Mobil Polyrex EM		P7 (0,2	5;0,25)						
ng : V'Ring V'Ring cation interval : 20000 h 20000 h cant amount : 21 g 13 g cant type : Mobil Polyrex EM						Non drive end	<u>d</u>		
cation interval : 20000 h 20000 h cant amount : 21 g 13 g cant type : Mobil Polyrex EM	Bearing type	:		6312 C3		6212 C3			
cation interval : 20000 h 20000 h cant amount : 21 g 13 g cant type : Mobil Polyrex EM	Sealing	:		V'Ring		V'Ring			
cant amount : 21 g 13 g cant type : Mobil Polyrex EM	Lubrication interva	al :				•			
cant type : Mobil Polyrex EM									
					hil Polyrey				
		•			Jon 1 Oly10A				
	Lubrication interval Lubricant amount Lubricant type Notes:	a) :		21 g	obil Polyrex	13 g			
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woking the motor from the shaft end.  easured at 1m and with tolerance of +3dB(A).  exproximate weight subject to changes after facturing process.  MG-1.	<i>,</i>	ad.					1 0:		
be eliminated.  poking the motor from the shaft end. easured at 1m and with tolerance of +3dB(A). exproximate weight subject to changes after facturing process.  100% of full load.  power supply, subject to the tolerances stipulated in NMG-1.	Rev.		Chang	jes Summary		Performed	Checked	Date	
be eliminated.  poking the motor from the shaft end.  easured at 1m and with tolerance of +3dB(A).  proximate weight subject to changes after facturing process.  100% of full load.  power supply, subject to the tolerances stipulated in N MG-1.									

Rev.		Changes Summary	Performed	Checked	Date
Performed by					
Checked by				Page	Revision
Date	26/03/2024			1/1	