Image: Note:     Number of the second state stat						Issued Date Issued By		Doc. # Issued Rev	382-R0 0
IPPICAL MOTOR PERFORMANCE DATA     Mode:   MEGP02X24E3TBL   Serie:   EC Graphene     1   100   230460   60   3   7,9633     2   4   1734   100   230460   60   3   7,9633     Enclosure   IP   Ins. class   S.F.   Duty   Nom. Eff.   IEC Design   KVA Code   Ambioin     TEFC   65   F(1)   1.15   S1   IE389.5   N   -   40     Inventer Duty   Inventer Substanding and the second	Tas	hid	7		l	-	LD	Issued Rev	0
Image: constraint of the second sec	142		TYP	ICAL MOTO	R PERFORM	IANCE DATA			
3     2.2     4     1734     100.     230460     60     3     7,963,9       Enclosure     IP     Ins. Class     S.F.     Duty     Nom. Eff.     IEC Design     KVA Code     Ambler Temp. (°       TEFC     55     F (°)     1.15     S1     IES 89.5     N     -     40       Inventer Duty     Inventer Duty     Amperes     Efficiency (%)     Power Factor (%)     40       add     1.5     1.15     3.2     90.3     74.5     5     5     61.2     4     4     4.0     89.5     81.7     4     4.0     60     7.9     0.2     74.5     5     5     6.0     61.2     4     60     7.9     0.2     7     0.2     7     0.2     7     0.2     7     0.2     7     0.2     7     0.2     7     0.1     7     0.01     7     0.02     7     0.1     7     0.1     7     0.1     7     0.1     7     0.1     7	Model:	MEGP02X24E	3TBL			Serie:	IEC Graphene		
Enclosure     IP     Ins. Class     S.F.     Duty     Nom. Eff.     IEC Design     KVA Code     Ambier Temp. (*       TEFC     55     F (*)     1.15     S1     IE3.89.5     N     -     40       Inventer Duty     Inventer Duty     Its S1     IE3.89.5     N     -     40       coad     HP     KW     Amperes     Efficiency (%)     Power Factor (%)     40       coad     1.5     1.1     2.6     90.3     74.5     5       fueld     1.5     1.1     2.6     90.0     61.2     4       4 Load     0.75     0.55     2.2     86.5     37.9     40       io Load     2.1     17.0     17.0     0.2     0.2     0.2       Torque     Rotor Ine       Full Load     Locked Rotor     Pull Up     Break Down     (Kg-m²       (N-m)     (% FLT)     (% FLT)     (% FLT)     (Kg-m²       12.1     229.9     231.0     377.8     001	HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
Enclosure     IP     Ins. Class     S.F.     Duty     Non. Etr.     IEC Design     KVA Code     Temp. (*       TEPC     55     F (*)     1.15     S1     IE3-89.5     N     -     40       Inventer Duty     oad     HP     KW     Amperes     Efficiency (%)     Power Factor (%)       oad     11     2.2     4.0     89.5     81.7       ALoad     2.25     1.65     3.2     90.3     74.5       Stoad     1.5     1.1     2.6     90.0     61.2       ALoad     0.75     0.55     2.2     86.5     37.9       to Load     0.75     0.55     2.2     86.5     37.9       to Load     2.1     17.0     0.2     0.2       Torque     Rotor Ine       Full Load     Locked Rotor     Pull Up     Break Down     (Kg.m²       12.1     229.9     231.0     377.8     0.01       Sate Stall Time(s)     Sound     Pressure       did(	3	2.2	4	1734	100L	230/460	60	3	7.96/3.98
TEFC     55     F(')     1.15     S1     IE3-89.5     N     -     40       Inventer Duty     Inventer Duty     Inventer Duty     IE3-89.5     N     -     40       oad     HP     KW     Amperes     Efficiency (%)     Power Factor (%)       uil Load     3     2.2     4.0     89.5     81.7     61.7       ALoad     2.25     1.65     3.2     90.3     74.5     61.2       A Load     0.75     0.55     2.2     86.5     37.9     61.2       A Load     0.75     0.55     2.2     86.5     37.9     62.7       Io Load	Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient
oad     HP     kW     Amperes     Efficiency (%)     Power Factor (%)       uil Load     3     22     4.0     89.5     81.7       4 Load     2.25     1.65     3.2     90.3     74.5       6 Load     1.5     1.1     2.6     90.0     61.2       6 Load     0.75     0.55     2.2     86.5     37.9       lo Load     0.75     0.55     2.2     86.5     37.9       lo Load     0.7     0.55     2.2     86.5     37.9       lo Load     0.7     0.2     2.1     17.0     0.2       Full Load     Locked Rotor     27.9     0.2       Full Load     Locked Rotor     Pull Up     Break Down     (Kg.m²       (N-m)     (% FLT)     (% FLT)     (% FLT)     (Kg.m²     0.01       12.1     229.9     231.0     377.8     0.01     01       Safe Stall Time(s)     Sound     Elearings*     Approx. Motor Weight     (kg)     20.9/8.5     -	TEFC	55	F (*)	1.15	S1	IE3-89.5	Ν	-	
ull Load 3 2.2 4.0 89.5 81.7   i Load 2.25 1.65 3.2 90.3 74.5   i Load 1.5 1.1 2.6 90.0 61.2   i Load 0.75 0.55 2.2 86.5 37.9   o Load 0.75 0.55 2.2 86.5 37.9   o Load 0.75 0.55 2.1 17.0   ocked Rotor 27.9 0.2 0.2 Torque     Full Load Locked Rotor Pull Up Break Down   (% FLT) (% FLT) (% FLT) (Kg.m²   12.1 22.9 231.0 37.8 0.01     Safe Stall Time(s) Sound Bearings* Approx. Motor Weight   Q2.9/8.5 - 6206/2Z C3 6205/2Z C3 38	Inventer Duty		•		• •		• • • •		
UII Load 3 2.2 4.0 89.5 81.7   i Load 2.25 1.65 3.2 90.3 74.5   i Load 1.5 1.1 2.6 90.0 61.2   i Load 0.75 0.55 2.2 86.5 37.9   o Load 0.75 0.55 2.2 86.5 37.9   o Load 0.75 0.56 2.1 17.0   ocked Rotor 27.9 0.2 0.2 Torque     Full Load Locked Rotor Pull Up Break Down   (% FLT) (% FLT) (% FLT) (Kg.m²   12.1 22.9.3 231.0 37.8 0.01 Safe Stall Time(s) Sound Bearings* Approx. Motor Weight   (Kg) 20.9/8.5 - 6206/2Z C3 6205/2Z C3 38	oad	НР	kW	Amp	eres	Efficienc	W (%)	Power Fac	ctor (%)
Load     2.25     1.65     3.2     90.3     74.5       i Load     1.5     1.1     2.6     90.0     61.2       i Load     0.75     0.55     2.2     86.5     37.9       o Load     27.9     17.0     0.2       ocked Rotor     27.9     0.2       Full Load     Locked Rotor     Pull Up (% FLT)     Break Down (% FLT)     Rotor Ine (% FLT)       Safe Stall Time(s)     Sound Pressure dB(A) @ 1M     Bearings*     Approx. Motor Weight (kg)       20.9/8.5     -     6206/27 C3     6205/27 C3     38									
Load     1.5     1.1     2.6     90.0     61.2       a Load     0.75     0.55     2.2     86.5     37.9       o Load     2.1     17.0     17.0     0.2       ocked Rotor     27.9     0.2     0.2     0.2       Torque     Rotor Ine       Full Load     Locked Rotor     Pull Up     Break Down (% FLT)     (Kg-m²       12.1     229.9     231.0     377.8     0.01       Safe Stall Time(s)     Sound Pressure dB(A) @ 1M     Bearings*     Approx. Motor Weight (kg)       20.9/8.5     -     6206/2Z C3     6205/2Z C3     38									
Load     0.75     0.55     2.2     86.5     37.9       o Load     2.1     17.0     17.0     0.2 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
Safe Stall Time(s) Sound (% FLT) Pull Up (% FLT) Break Down (% FLT) Rotor Ine (Kg-m²   12.1 229.9 231.0 377.8 0.01   Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weight (kg)   20.9/8.5 - 6206/2Z C3 6205/2Z C3 38			0.55	2.2	2	86.5		37.9	)
Torque Rotor Ine   Full Load Locked Rotor Pull Up Break Down (Kg-m²   (N-m) (% FLT) (% FLT) (% FLT) (Kg-m²   12.1 229.9 231.0 377.8 0.01   Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weight (kg)   20.9/8.5 - 6206/2Z C3 6205/2Z C3 38	lo Load			2.	1			17.0	)
Full Load (N-m) Locked Rotor (% FLT) Pull Up (% FLT) Break Down (% FLT) Rotor Ine (Kg-m²   12.1 229.9 231.0 377.8 0.01   Safe Stall Time(s) Cold / Hot Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weight (kg)   20.9/8.5 - 6206/2Z C3 6205/2Z C3 38	ocked Rotor		-	27	.9			0.2	
Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weight (kg)   20.9/8.5 - 6206/2Z C3 6205/2Z C3 38	(N-m)	)	(% F	LT)	(%	FLT)	(%	FLT)	(Kg-m²)
Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor Weight (kg)   20.9/8.5 - 6206/2Z C3 6205/2Z C3 38	(N-m)		(% F	LT)	(%	FLT)	(%	FLT)	(Kg-m²)
Pressure dB(A) @ 1M Pressure dB(A) @ 1M Approx. Motor weight (kg)   20.9/8.5 - 6206/2Z C3 6205/2Z C3 38	12.1		225	1.9	2	31.0	37	7.8	0.01
Pressure dB(A) @ 1M Pressure dB(A) @ 1M Bearings* Approx. Motor weight (kg)   20.9/8.5 - 6206/2Z C3 6205/2Z C3 38									
Cold / Hot     dB(A) @ 1M     DE     NDE     (kg)       20.9/8.5     -     6206/2Z C3     6205/2Z C3     38					Beari	ings*		Approx. Mot	or Weight
Bearings are the only recommended spare part(s).	Cold / H	lot		DI	E	NDE		(kg	)
ncluded Accessories:	20.9/8	.5	-	6206/2	2Z C3	6205/2Z	C3	38	
	ncluded Accessori	-	re part(s).						
	I characteristics are ave	erage expected va	alues.						
I characteristics are average expected values.	Engineering				Doc. Written By		Doc.# / Rev	MEGP02X2	4E3TBL
Il characteristics are average expected values. Engineering Doc. Written By Doc.# / Rev MEGP02X24E3TBL Engr. Date Doc. Approved By Doc. Issued					_				

						Issued Date	11/14/2022	Doc. #	382-R0
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						NT CURVE			
			-						
	Model:	MEGP02X24E3T	BL			Serie:	IEC Graphene		
Н	IP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
	3	2.2	4	1734	100L	230/460	60	3	7.96/3.98
Encl	osure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C)
TE	EFC	55	F (*)	1.15	S1	IE3-89.5	N	-	40
Locke	d Rotor	Rotor Inertia				Torque			
	nps	(Kg-m2)	Full Load (N-m)	Locked		Pull U		Break I	
27	7.94	0.01	12.1	(%		<b>(%)</b> 231.0		<b>(%</b>	
			Curren	t vs Slip Curv	e and Torqu	e vs Slip Curv	e		
	50							30	)
	45 -								_
	40				>			25	)
-	35 -							20	)
Σ	30 -								
que(N-M)	25 -							1:	Current(A)
nbu	20 -								urr
Tor	15 -							10	) ()
	10 -							5	
	5 -								
	0					4 00		0	
	1	0.9	0.8 0.		0.5 0.			0.1 0	
				Slip (p	u) –	Current	- Torque		
All characte	eristics are a	verage expected value	es						
All characte	eristics are a Engineering Engr. Date	3	95.		Doc. Written By Doc. Approved By		Doc.# / Rev Doc. Issued	MEGP02X2	4E3TBL

					Issued Date	11/14/2022	Doc. #	382-R0
Tas	bide			l	Issued By	LD	Issued Rev	0
IUS	nuc	4	Motor Co	onnection Dia	aram			
				milection Dia	agram			
Model:	/IEGP02X24E3	BTBL			Serie:	IEC Graphene		
-								
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amp
3	2.2	4	1734	100L	230/460	60	3	7.96/3.98
Inclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambier Temp. (°
TEFC	55	F (*)	1.15	S1	IE3-89.5	Ν	-	40
				V3● U3● V1● U1● L3 L1	L2 L3 (1Y)			
			P	TC Diagram				
			F	P1 P2				

All characteristics are average expected values.

Engineer	ing	Doc. Written By	Doc.# / Rev	MEGP02X24E3TBL
Engr. D	ate	Doc. Approved By	Doc. Issued	

