	_					Issued Date Issued By		Doc. # Issued Rev	382-R0 0
TERME MOTOR PERPORTANCE DATA Medicine Medicine Pale FLRPM France Voltage Na Pales FL 1	Tas	hid							
HP KW Pole FL RPM Frame Voltage Hz Phase FL 00 45 2 3552 225M 20030460 0 3 443 Enclosure IP Ins. Class S.F. Duty Non. Eff. IEC Design KVA Code Are TEFC 55 F (°) 1.15 S1 IE293.0 N - Interview codd 49 Amperes Efficiency (%) Power Factor (%) codd 45 33.75 60.1 446 33.5 4 Load 30 22.5 34.5 94.5 90.6 / Load 15 11.25 20.4 92.8 77.9 / 00 Lodd 14.3 485.5 ocked Rotor 48.0 0.5 ocked Rotor (% FLT) (% FLT) (% FLT) (% . .ocked Rotor . 6312.C3			ITP						
60 45 2 352 225M 20080480 60 3 143 Enclosure IP Ins. Class S.F. Duty Nom. Eff. IEC Design KVA Code And The Tree 1 55 F (*) 1.15 S1 IE243.0 N IEC Design KVA Code And Tree 1 resc 55 F (*) 1.15 S1 IE243.0 N IEC Design KVA Code And Tree 1	woder.	WEGI 004320				Serie.			
Enclosure IP Ins. Class S.F. Duty Non. Eff. IEC Design KVA Code Arrow TEFC 55 F (*) 1.15 S1 IE2.93.0 N . Inventer Duty Load HP KW Amperes Efficiency (%) Power Factor (%) Load 45 33.75 66.4 94.2 94.4 % Load 45 33.75 66.1 94.6 93.5 % Load 15 11.25 20.4 92.8 77.9 No Load 16 14.1 48.5 . . Locked Rotor 48.0 0.5 . . . YL Load Locked Rotor Yet 1 Vicad 15 11.25 20.4 92.8 . . . Locked Rotor 48.0 	HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
Enclosure IP Ins. Class S.F. Duty Nom. Err. IEC Design KA Code Ten TEFC 55 F(1) 1.15 51 IE283.0 N - Ten caid HP KW Amperes Efficiency (%) Power Factor (caid 60 45 66.4 94.2 94.4 4 Load 45 33.75 50.1 94.5 90.6 4 Load 15 11.25 20.4 92.8 77.9 No Load 15 11.25 20.4 92.8 77.9 No Load 14.1 48.5 Coded Rotor 488.0 Full Load Locked Rotor Pull Up Break Down (K (N-m) (% FLT) (% FLT) (% FLT) (% GL) Safe Stall Time(s) Sound Bearings* Approx. Motor W	60	45	2	3552	225M	230/380/460	60	3	143/82.6/71
TEFC 55 F(*) 1.15 S1 IE233.0 N . Inventer Duty	Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C
Load HP KW Amperes Efficiency (%) Power Factor (%) full Load 60 45 664 942 944 4 Load 45 33.75 50.1 94.6 93.5 4 Load 15 11.25 20.4 92.8 77.9 40 Load 15 11.25 20.4 92.8 77.9 40 Load 14.1 48.0 0.5 5 cocked Rotor 48.0 0.5 5 5 Full Load Locked Rotor Puil Up Break Down (% FLT) (% FLT) (% 121 212.4 210.5 302.7 0 0 Safe Stall Time(s) Sound Pressure dB(A) (9.1M DE NDE (kg) 2 Cold / Hot - 6312C3 6312C3 314 314 Bearings are the only recommended spare part(s). NDE NDE (kg) 314 Bearings of the only recommended spare part(s). Sound DE NDE		55	F (*)	1.15	S1	IE2-93.0	Ν	-	40
Safe Stall Time(s) Sound dB(A) (g) 1 Sound dB(A) (g) 1 Bearings* Approx. Motor W (kg) 2 Cold or 1 Hot - 6312C3 6312C3 314	Inventer Duty								
Load 45 33.75 50.1 94.5 93.5 4 Load 30 22.5 34.5 94.5 90.6 4 Load 15 11.25 20.4 92.8 77.9 io Load 15 11.25 20.4 92.8 77.9 io Load 14.1 48.5	.oad	HP	kW	Ampo	eres	Efficienc	cy (%)	Power Fa	ctor (%)
S Load 30 22.5 34.5 94.5 90.6 4 Load 15 11.25 20.4 92.8 77.9 to Load 14.1 48.5	ull Load	60	45	66.	.4	94.2	2	94.4	4
Cold D D 15 1125 204 92.8 77.9 No Load 14.1 48.5 0.5 Socked Rotor 488.0 0.5 Full Load Locked Rotor Pull Up Break Down (N-m) (% FLT) (% FLT) (% FLT) 121 212.4 210.5 302.7 0 Safe Stall Time(s) Sound Bearings* Approx. Motor W Cold / Hot Pressure (kg) 314 Bearings are the only recommended spare part(s). Included Accessories: I''''''''''''''''''''''''''''''''''''	4 Load	45	33.75	50.	.1	94.6	6	93.9	5
No Load 48.5 Cocked Rotor Puil Up Break Down Fuil Load Locked Rotor Puil Up Break Down (K (N-m) (% FLT) (% FLT) (% FLT) (K 121 212.4 210.5 302.7 0 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor W 2 Cold or 1 Hot - 6312/C3 314 Bearings are the only recommended spare part(s). Included Accessories: TC Thermistor	∕₂ Load	30	22.5	34.	.5	94.5	5	90.0	6
Locked Rotor 488.0 0.5 Torque Roto Fuil Load Locked Rotor Puil Up Break Down Roto (N-m) (% FLT) (% FLT) (% FLT) (% 121 212.4 210.5 302.7 0 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor W Cold / Hot - 6312/C3 6312/C3 314	∕₄ Load	15	11.25	20.	.4	92.8	}	77.	9
Torque Roto Full Load Locked Rotor Pull Up Break Down (% 121 212.4 210.5 302.7 0 Safe Stall Time(s) Sound Pressure Bearings* Approx. Motor W Cold / Hot B(A) @ 1M DE NDE (kg) 2 Cold or 1 Hot - 6312/C3 6312/C3 314	No Load			14.	.1			48.	5
Full Load (N-m) Locked Rotor (% FLT) Pull Up (% FLT) Break Down (% FLT) Roto (% FLT) 121 212.4 210.5 302.7 0 Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor W (kg) 2 Cold or 1 Hot - 6312/C3 6312/C3 314 Bearings are the only recommended spare part(s). - 6312/C3 6312/C3 314	_ocked Rotor			488	3.0			0.5	i
Safe Stall Time(s) Sound Pressure dB(A) @ 1M Bearings* Approx. Motor W (kg) 2 Cold or 1 Hot - 6312/C3 6312/C3 314 Bearings are the only recommended spare part(s). - 6312/C3 6312/C3 314 Bearings are the only recommended spare part(s). - - 6312/C3 6312/C3 314 Bearings are the only recommended spare part(s). -)							(Kg-m²)
Pressure dB(A) @ 1M DE NDE (kg) 2 Cold or 1 Hot - 6312/C3 6312/C3 314 Bearings are the only recommended spare part(s). ncluded Accessories: . .		/							0.3552
Pressure dB(A) @ 1M DE NDE (kg) 2 Cold or 1 Hot - 6312/C3 6312/C3 314 Bearings are the only recommended spare part(s). Included Accessories: 2°TC Thermistor 2°TC Thermistor									
Cold / Hot dB(A) @ 1M DE NDE (kg) 2 Cold or 1 Hot - 6312/C3 6312/C3 314 Bearings are the only recommended spare part(s). Included Accessories: I'T C Thermistor	Safe Stall 1	Γime(s)			Bear	ings*		Approx. Mot	or Weight
Bearings are the only recommended spare part(s). ncluded Accessories: PTC Thermistor Ill characteristics are average expected values.	Cold / Hot					NDI	E	(kg)	
ncluded Accessories: PTC Thermistor	2 Cold or	1 Hot	-	6312	2/C3	6312/	C3	314	1
	ncluded Accessor		re part(s).						
		erage expected v	alues.						
Engineering Doc. Written By Doc.# / Rev MEGP00452D2TBI Engr. Date Doc. Approved By Doc. Issued								MEGP0045	2D2TBL

60 45 2 3552 225M 230/380/460 60 3 143/82.6/7							Issued Date	11/14/2022	Doc. #	382-R0
SPEED TORQUE/CURRENT CURVE Mcfr:	-		bida				Issued By	LD	Issued Rev	0
Medi: Media Nor File Frame Voltage Ha Pase FileAmple 1 1 1 2 3552 2254 23030460 60 3 1436267 1		us	maa							
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$				S	PEED TORQ	UE/CURREN	IT CURVE			
60 45 2 352 225M 230380/460 60 3 14382.87 Enclosure IP Ins. Class S.F. Duty Non. Eff. IEC Design KVA Code Ambier Temp. (* TEFC 55 F (*) 1.15 S1 IEC Design KVA Code Ambier Temp. (* Locked Rotor Rotor Inertia Full Load Locked Rotor Pull Up Break Down 488 0.3552 121 212.4 210.5 302.7		Model:	MEGP00452D2T	BL			Serie:	IEC Graphene		
60 45 2 3552 225M 230380/460 60 3 14382.67 Enclosure IP Ins. Class S.F. Duty Non. Eff. IEC Design KVA Code Ambier Temp. (* TEFC 55 F (*) 1.15 S1 IEC Design KVA Code Ambier Temp. (* Locked Rotor Rotor Inertia Full Load Locked Rotor Pull Up Break Down 488 0.3552 121 212.4 210.5 302.7		HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
Enclosure IP Ins. class S.r. Duty Non. Efr. IEC Design KVA Code Temp. (* TEFC 55 F (*) 1.15 S1 IE2.93.0 N - 40 Locked Rotor Amps Rotor Inertia (Kg-m2) Rotor Inertia (Kg-m2) End Locked Rotor (N-m) Pull Up (*/a) Break Down (*/a) Break Down (*/a) 488 0.3552 121 212.4 210.5 302.7		60	45	2	3552	225M		60	3	143/82.6/71.3
TEFC 55 F(*) 1.15 S1 IE243.0 N - 40 Locked Rotor Amps Rotor Inertia (Kg-m2) Full Load (N-m) Locked Rotor (%) Pull Up (%) Break Down (%) Break Down (%) 488 0.3552 121 212.4 210.5 302.7 Current vs Slip Curve and Torque vs Slip Curve 400 50 600 500 400 300 200 100 300 200 100 100 0 100 0	Enc	losure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp, (°C)
Control Rotor Inertia (Kg.m2) Full Load (N-m) Locked Rotor (%) Pull Up (%) Break Down (%) 488 0.3552 121 212.4 210.5 302.7	Т	EFC	55	F (*)	1.15	S1	IE2-93.0	N	-	
Amps (Kg-m2) Full Load (N-m) Locked Rotor (%) Pull Up (%) Break Down (%) 488 0.3552 121 212.4 210.5 302.7	Locke	ed Rotor	Rotor Inertia	T			-			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $										
$\begin{array}{c} \textbf{Current vs Slip Curve and Torque vs Slip Curve} \\ \textbf{M} \\$	4	488	0.3552							
$ \begin{pmatrix} 40 \\ 35 \\ 30 \\ 20 \\ 15 \\ 10 \\ 5 \\ 0 \\ 0 \\ 10 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $										
$ \begin{pmatrix} 40 \\ 35 \\ 30 \\ 20 \\ 15 \\ 10 \\ 5 \\ 0 \\ 0 \\ 10 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $										
$ \begin{pmatrix} 40 \\ 35 \\ 30 \\ 20 \\ 15 \\ 10 \\ 5 \\ 0 \\ 0 \\ 10 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $										
$ \begin{pmatrix} 40 \\ 35 \\ 30 \\ 20 \\ 15 \\ 10 \\ 5 \\ 0 \\ 0 \\ 10 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $				Curron	tve Slip Cur	io and Torqu	o ve Slip Curv	10		
350 500 300 500 250 600 200 700 150 700 100 700 100 700 100 700 100 700 100 700 100 700 100 700 100 700		400		Current				e	60	0
300 250 400 200 150 300 150 100 100 50 100 100 100 100 100 100 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0									00	0
250 200 400 300 150 150 100 100 100 100 100 100 0 100 0 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0		350 -							50	00
250 200 300 300 150 150 200 1		300 -								0
100 - - - - 100 - 100 50 - - - - - 100 0 0 - - - - - 0 0 1 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0	Σ	250							40	
100 - - - - 100 - 100 50 - - - - - 100 0 0 - - - - - 0 0 1 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0	4								30	ent(
100 - - - - 100 - 100 50 - - - - - 100 0 0 - - - - - 0 0 1 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0	e(N-N	200 -								
50	orque(N-N								20	
1 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0	Torque(N-N	150 -							20	Curr 00
1 0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1 0	Torque(N-N	150 - 100 -								
Slip (pu) Current Torque	Torque(N-N	150 - 100 - 50 -							10	
	Torque(N-N	150 - 100 - 50 - 0	0.9	0.8 0.7	7 0.6	0.5 0.	4 0.3	0.2 0	10	
	Torque(N-N	150 - 100 - 50 - 0	0.9	0.8 0.7					10	
	Torque(N-N	150 - 100 - 50 - 0	0.9	0.8 0.7					10	
	Torque(N-N	150 - 100 - 50 - 0	0.9	0.8 0.7					10	
	Torque(N-N	150 - 100 - 50 - 0	0.9	0.8 0.7					10	
	Torque(N-N	150 - 100 - 50 - 0	0.9	0.8 0.					10	
	Torque(N-N	150 - 100 - 50 - 0	0.9	0.8 0.					10	
	Torque(N-N	150 - 100 - 50 - 0	0.9	0.8 0.7					10	
		150 - 100 - 50 - 0 1							10	
characteristics are average expected values. Engineering Doc. Written By Doc.# / Rev MEGP00452D2TBL		150 - 100 - 50 - 0 1	verage expected value			ou) -		- Torque	10 .1 0	00

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las	hida						Į	
			Motor Co	nnection Di	agram			
Maria I. I.					Queies			
Model:	MEGP00452D2	IBL			Serie:	IEC Graphene		
HP	kW	Pole	FL RPM	Frame	Voltage	Hz	Phase	FL Amps
60	45	2	3552	225M	230/380/460	60	3	143/82.6/71.
Enclosure	IP	Ins. Class	S.F.	Duty	Nom. Eff.	IEC Design	kVA Code	Ambient Temp. (°C
TEFC	55	F (*)	1.15	S1	IE2-93.0	N	-	40
	ب ♦۷ ♦۷ L1	2 W2 U2 3 W3 U3 1 W1 U1 L2 L3	♦ V1 ♦ W1		W2 U2 V W3 U3 V W1 U1 V L2 L3 L1	2 •W2 •U2 3 •W3 •U3 1 •W1 •U1 L2 L3		
		(2 🛆)	(2Y)	(14	۵)	(1Y)		
			Y-	Only Start				
			PT	C Diagram				
			Ρ	1 P2				
Il characteristics are ave	erage expected valu	Jes.						
Engineering				Doc. Written By		Doc.# / Rev	MEGP00452	2D2TBL
Engr. Date				Doc. Approved By		Doc. Issued		

