PRODUCT INFORMATION PACKET

Model No: 1011631-BR
Catalog No: 1011631
TerraMAX® Cast Iron Motor, 150 HP, 3 Ph, 60 Hz, 380 V, 3600 RPM, 280S/M Frame, TEFC

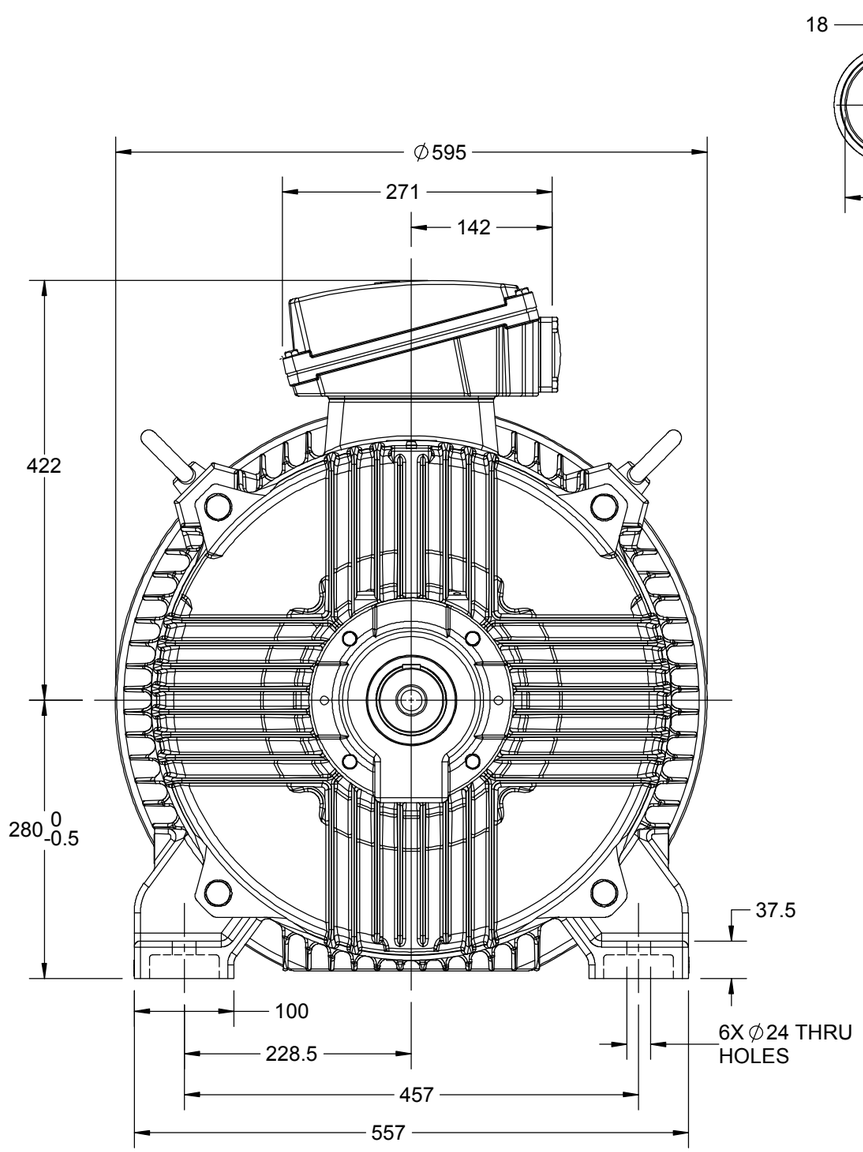
marathon® Motors

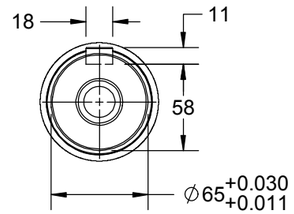
Nameplate Specifications

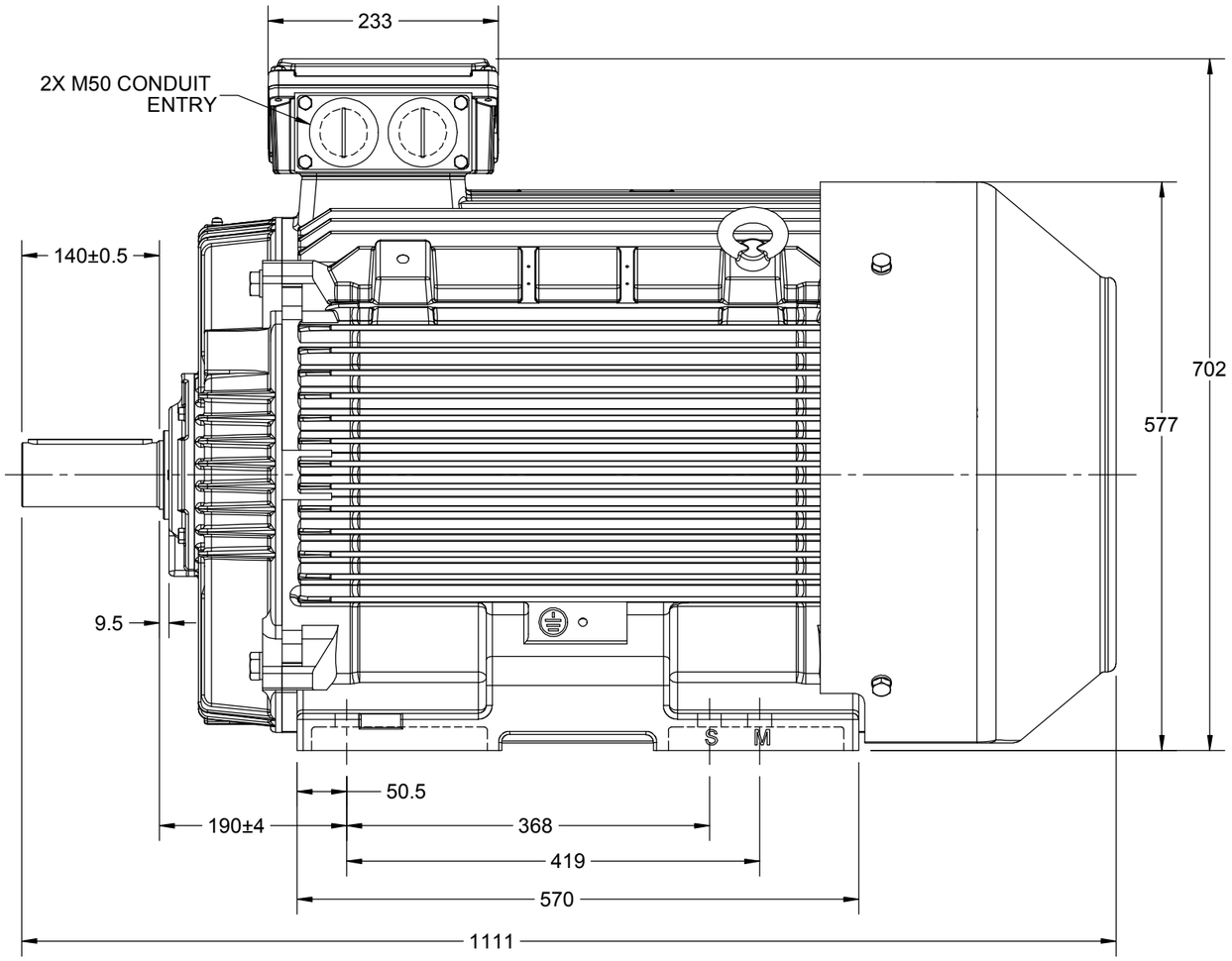
Output HP	150 Hp	Output KW	110.0 kW
Frequency	60 Hz	Voltage	380 V
Current	194.9 A	Speed	3580 rpm
Service Factor	1.25	Phase	3
Efficiency	95.5 %	Power Factor	0.9
Duty	S1	Insulation Class	F
Frame	280S/M	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6314
UL	No	CSA	No
CE	No	IP Code	55
Number of Speeds	1		

Technical Specifications

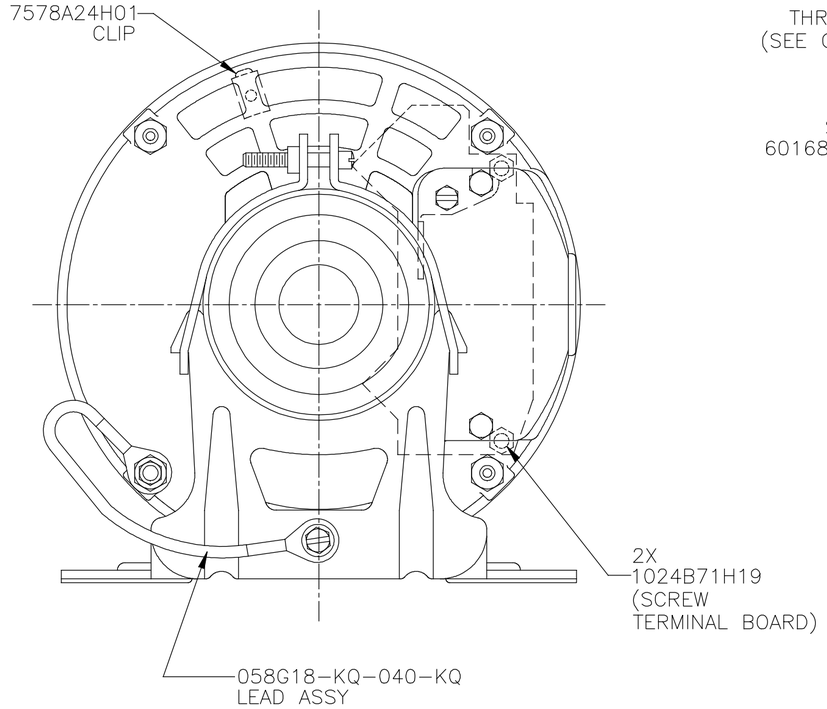
Electrical Type	Squirrel Cage	Starting Method	Direct On Line
Poles	2	Rotation	Clockwise
Mounting	B3	Motor Orientation	Horizontal
Drive End Bearing	C3	Opp Drive End Bearing	C3
Frame Material	Cast	Shaft Type	Keyed
Overall Length	1111 mm	Frame Length	600 mm
Shaft Diameter	65 mm	Shaft Extension	140 mm
Assembly/Box Mounting	TOP		
Outline Drawing	0228000585		

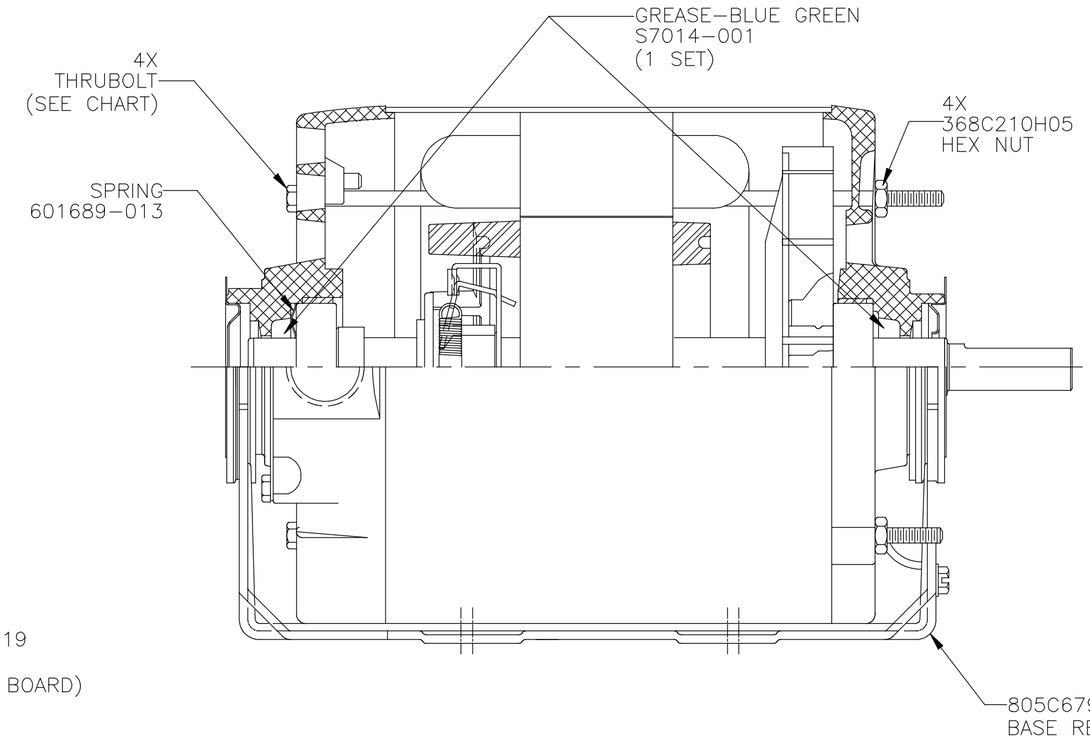






DRAWING REVISION D	REVISION BY LK	DATE 17/04/2019		DRAWN BY JOY	marathon™ Motors
ECO ECO-0165600	APPROVED BY SR	DATE 17/04/2019		DATE 18/07/2014	
ECO DESCRIPTION UPDATED MODEL AS PER NEW 3D STRUCTURE				APPROVED BY SBD	DESCRIPTION OUTLINE 280M-2P-B3 MTG. MOTOR TYPE: TCA/QCA
				DATE 18/07/2014	
				REFERENCE	MATERIAL / PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE B / DRAWING NUMBER 0228000585 / SHEET 1 OF 1





NOTES:

1. LOCATE NAMEPLATES, STICKERS, DECALS AND LABELS PER MOTOR OUTLINE WHEN NOT SPECIFIED ON THIS DRAWING.
2. ASSEMBLY DETAILS PER LA 200.

PART NUMBER	FRAME STATOR COIL	ROTATING ASSY	THRUBOLT	ENDFRAME ASSY LEAD END	ENDFRAME ASSY OPPOSITE LEAD END
1011631-001	617581-302	1011632-001	10006172-085-001	264B898A13	2989B96A18
1011631-002	617581-303	1011632-001	TBA832-756	264B898A13	2989B96A18

DRAWING REVISION: G	REVISION BY: J.HESS	DATE: 05-16-2018
ECO: ECO-0144154	APPROVED BY: J.HESS	DATE: 05-16-2018
ECO DESCRIPTION: CHANGED THRU BOLT		

TOLERANCES UNLESS OTHERWISE SPECIFIED

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.02	[±0.51]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES .003/.015 [.076/.381] X 45°
CORNER FILLETS R.02 [.51]
MACHINED SURFACES INCH 125 mm 3.2
mm SHOWN IN [BRACKETS]

DRAWN BY: SLB	
DATE: 09-18-2007	
APPROVED BY: –	
DATE: –	
REFERENCE: –	
THIRD ANGLE PROJECTION	

REGAL™ Regal Beloit America, Inc.

DESCRIPTION: MOTOR ASSY

MATERIAL	PROCESS/FINISH
–	–

SIZE	DWG NO	SHEET
C	1011631	1

marathon® Motors

TerraMAX®

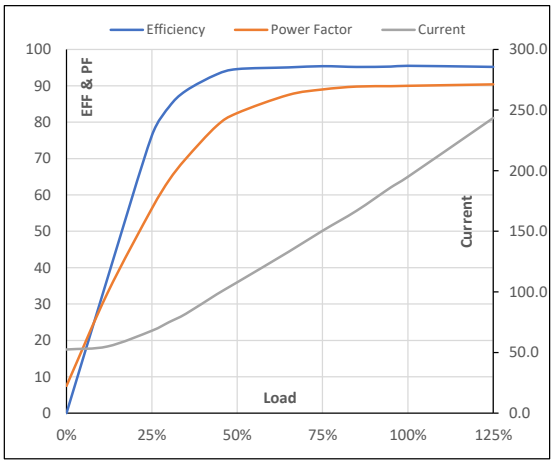
Model No. 1011631

Enclosure	U (V)	Δ / Y Conn	f [Hz]	P [kW]	P [hp]	I [A]	n [RPM]	T [kgm]	T [Nm]	IE Class	Amb [°C]	Duty	Elevation [m]	Inertia [kg-m^2]	Weight [kg]
TEFC	380	Δ	60	110	150	194.9	3580	29.98	294.00	IR3	40	S1	1000	5.428	788

Motor Load Data

Load Point		NL	1/4FL	1/2FL	3/4FL	FL	5/4FL
Current	A	52.5	68.0	107.9	150.4	194.9	243.5
Torque	Nm	0.0	74.3	148.7	223.4	294.0	373.5
Speed	r/min	3600	3595	3590	3585	3580	3575
Efficiency	%	0.0	76.3	94.6	95.4	95.5	95.2
Power Factor	%	7.5	56.2	82.5	89.0	90.0	90.4

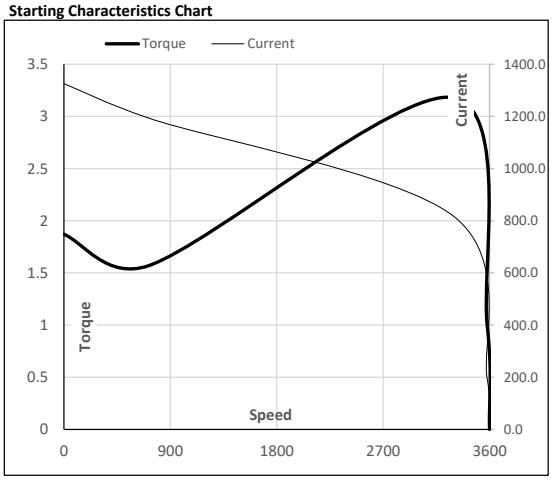
Performance vs Load Chart



Motor Speed Torque Data

Load Point		LR	P-Up	BD	Rated	NL
Speed	r/min	0	720	3294	3580	3600
Current	A	1325.6	1193.0	818.2	194.9	52.5
Torque	pu	1.9	1.6	3.2	1	0

Starting Characteristics Chart



NOTE Refer data sheet for applicable standard and tolerances on performance parameters

Issued By
Issued Date

REGAL