

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 215TTDC6026

Catalog No: U765

XRI® General Purpose General Purpose Motor, 10 & 10 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 200/400 V,
1800 & 1500 RPM, 215T Frame, DP



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RegalRexnord

Nameplate Specifications

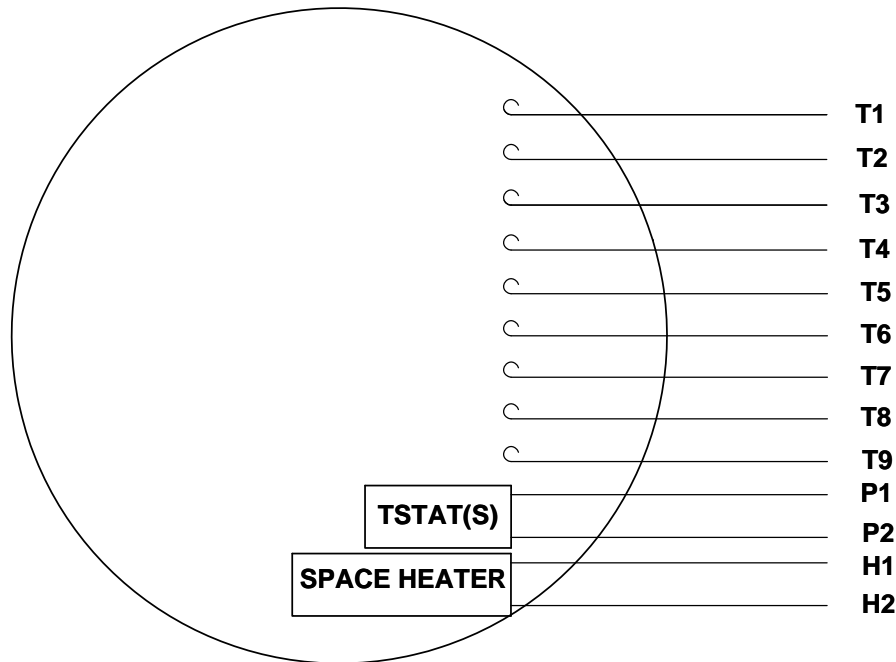
Phase	3	Output HP	10 & 10 Hp
Output KW	7.5 & 7.5 kW	Voltage	208-230/460 & 200/400 V
Speed	1765 & 1460 rpm	Service Factor	1.15 & 1.0
Frame	215T	Enclosure	Drip Proof
Thermal Protection	No Protection	Efficiency	91.7 & 90.2 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	28.5-25.6/12.8 & 28.6/14.3 A	Power Factor	79.3
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	J
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6208
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

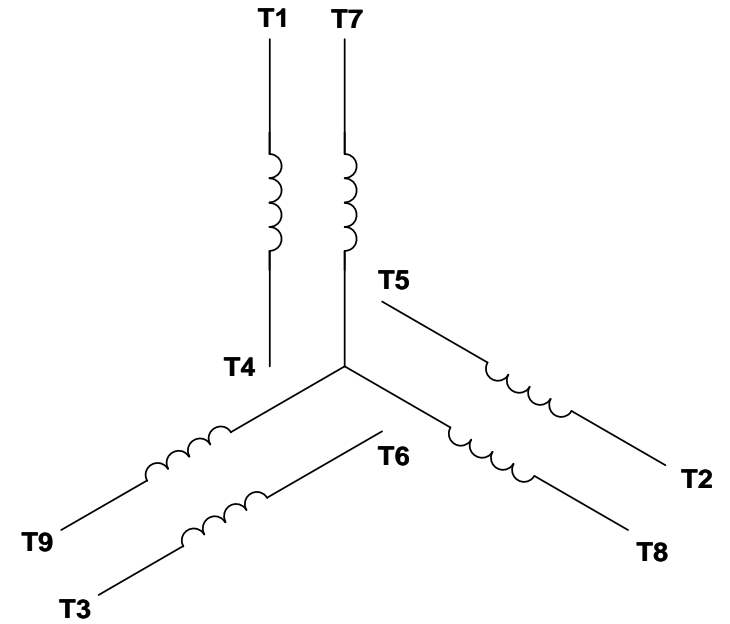
Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	1.087 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	17.87 in
Shaft Diameter	1.375 in	Shaft Extension	3.38 in
Assembly/Box Mounting	F1 Only		
Outline Drawing	16955060ME	Connection Drawing	005010-19ME

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.

Uncontrolled Copy



LINE LEADS



VOLTAGE	L1	L2	L3	JOIN & INSULATE
HGH	T1	T2	T3	(T4, T7) (T5, T8) (T6, T9)
LOW	T1, T7	T2, T8	T3, T9	T4, T5, T6

DRAWING REVISION
C

REVISION BY
MVG

DATE
04/07/2017

ECO
ECO-0121154

APPROVED BY
VY

DATE
04/07/2017

ECO DESCRIPTION

ADDED SPACE HEATER

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.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: 125/3.2

INCH/mm
mm SHOWN IN [BRACKETS]

DRAWN BY
KMM

DATE
08/23/06

APPROVED BY
PG

DATE
08/23/06

REFERENCE
005010-19ME

THIRD ANGLE
PROJECTION



Regal Beloit America, Inc.

DESCRIPTION

CONN DIAGRAM-EXTERNAL
3 PHASE

MATERIAL

PROCESS/FINISH

SIZE
A

DRAWING NUMBER

00501019ME

SHEET
1 OF 1

CERTIFICATION DATA SHEET

Model#: 215TTDC6026 AA

WINDING#: T10704024 NONE 3

CONN. DIAGRAM: 005010-19ME

ASSEMBLY: F1 ONLY

OUTLINE: 16955060ME

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
10&10	7.5&7.5	1800	1765&1460	215T	DP	J	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	208- 230/460#200/ 400	28.5- 25.6/12.8&28. 6/14.3	ACROSS THE LINE	CONTINUOU S	F2	1.15/1.0	40	3300

FULL LOAD EFF: 91.7&90.2	3/4 LOAD EFF: 92.3	1/2 LOAD EFF: 91.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 79.3&83.1	3/4 LOAD PF: 74	1/2 LOAD PF: 63.6	90.2	SQ CAGE IND RUN	11 / 5.5

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
29.8 LB-FT	200 / 100	62 LB-FT 208	88 LB-FT 295	48

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
69 dBA	79 dBA	- LB-FT^2	- LB-FT^2	15 SEC.	2	220 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6308	6208						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further
information

* N O T E S *	INVERTER TORQUE: NONE
	INV. HP SPEED RANGE: NONE
	ENCODER: NONE
	NONE NONE NONE NONE PPR
	BRAKE: NONE NONE
	NONE P/N NONE
	NONE NONE
	- FT-LB NONE V NONE Hz

DATE: 06/22/2017 07:22:16 AM
FORM 3531 REV.3 02/07/99

** Subject to change without notice.

Data Sheet

Date: 6/29/2017

Customer: _____

Attention: _____

Submitted by: FAREEDA DUDEKULA



215TTDC6026

Submittal

Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	5.5	6.5	8.2	10.3	12.8	14.5	15.6	100	
Torque (ft-lb)	0.00	7.5	14.9	22.3	29.8	34.3	37.2	62.0	
RPM	1800	1792	1784	1774	1765	1,760	1755	0	
Efficiency (%)		86.0	91.5	92.3	91.7	91.5	91.2		
P.F. (%)	5.9	42.6	63.6	74.0	79.3	81.0	81.8	0.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle					
Speed (RPM)	0	900	1250	1765	1800					
Current (Amps)	100	92.0	60.0	12.8	5.5					
Torque (ft-lb)	62.0	47.0	88.0	29.8	0.00					
<div><div>— Efficiency (%) — P.F. (%) — Current (Amps)</div><div>EFFICIENCY (%)</div><div>P.F. (%)</div><div>CURRENT (AMPS)</div><div>LOAD</div></div>						Information Block				
						HP		10.0		
						Sync. RPM		1800		
						Frame		215		
						Enclosure		DP		
						Construction		TDC		
						Voltage		3-230/460#200/±V		
						Frequency		60 Hz		
						Design		A		
						LR Code letter		K		
						Service Factor		1.15		
						Temp Rise @ FL		48 °C		
						Duty		CONT		
						Ambient		40 °C		
						Elevation		1,000 feet		
						Rotor/Shaft wk²		0.00 Lb-Ft²		
						Ref Wdg		T10704024 NONE		
Sound Pressure @ 1M		69 dBA								
VFD Rating		NONE								
Outline Dwg		16955060ME								
Conn. Diag		005010-19ME								
Additional Specifications:										
0										
0										
EQUIV CKT (OHMS / PHASE)										
R1		R2		X1		X2		Xm		
0.0000		0.0000		0.0000		0.0000		0.0000		

Speed -Torque Curve

